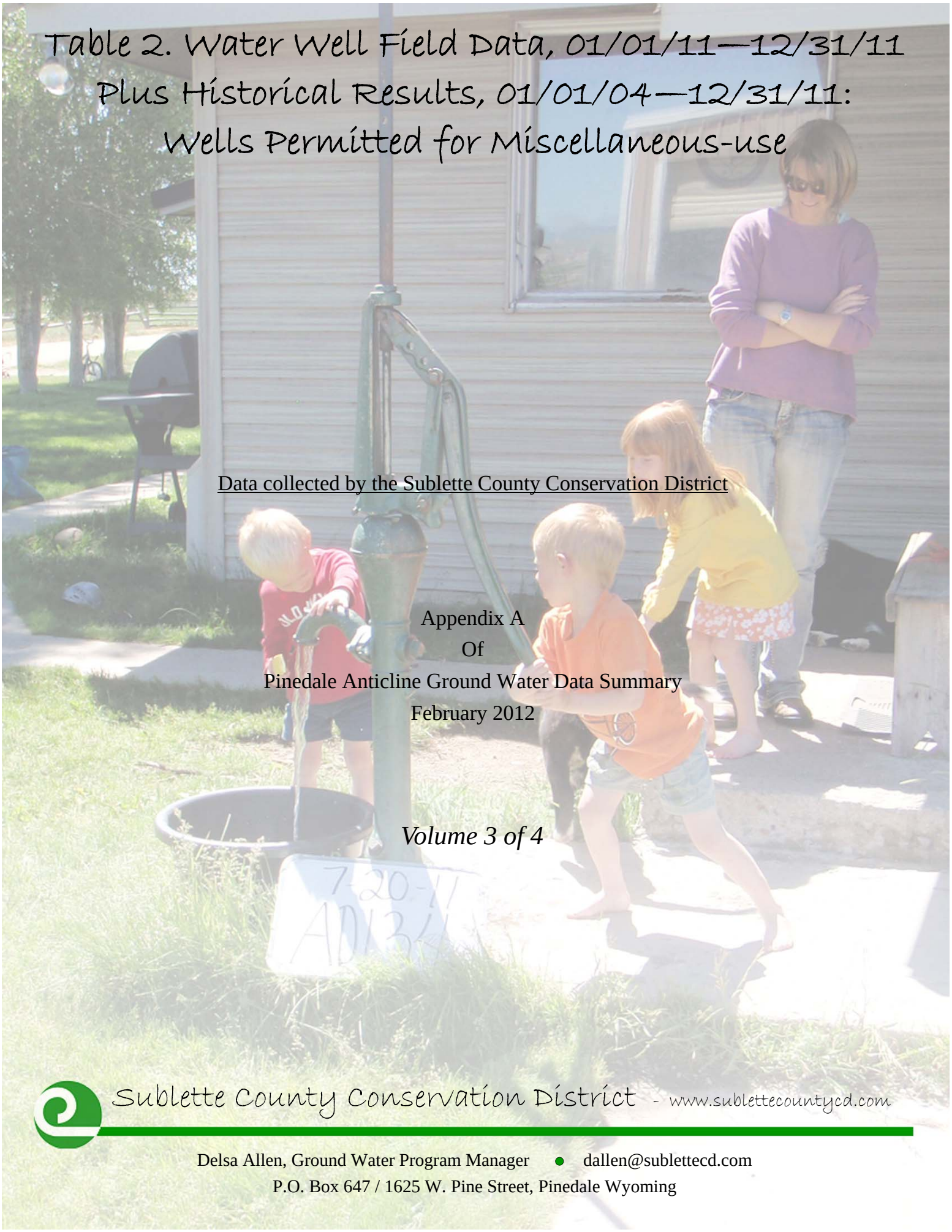
Table 2. Water Well Field Data, 01/01/11—12/31/11 Plus Historical Results, 01/01/04—12/31/11: Wells Permitted for Miscellaneous-use



Data collected by the Sublette County Conservation District

Appendix A
Of
Pinedale Anticline Ground Water Data Summary
February 2012

Volume 3 of 4

Sublette County Conservation District - www.sublettecountycd.com

Delsa Allen, Ground Water Program Manager • dallen@sublettecd.com
P.O. Box 647 / 1625 W. Pine Street, Pinedale Wyoming

AMI007 9/8/2011 *Field Data (2011 only)*

Arrival Time: *11:35 AM*

Well Name	Well Ownership Info.
Mesa 15-8	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:37 AM	*9.15*	*550*	*275*	*10.3*
11:40 AM	*9.35*	*543*	*272*	*10.5*
11:43 AM	*9.36*	*542*	*272*	*10.5*
11:46 AM	*9.35*	*542*	*271*	*10.5*
11:49 AM	*9.19*	*544*	*273*	*10.5*
11:52 AM	*9.3*	*541*	*271*	*10.6*
11:55 AM	*9.32*	*543*	*272*	*10.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4734329	*593639*	*7485*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:57 AM	*11:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI007 DA11*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*1:25 PM*	*2*	178	1.3	9	0.5	0	0	128	82	642	324
8/24/2005	*1:25 PM*	*2*	179	1.2	10	0.5	0	0	126	87	102	348
8/24/2006	*2:50 PM*	*2*	176	1.4	9	0.5	0	0	133	89	610	312
8/9/2007	*9:25 AM*	*2*	191	1.3	11	0.5	0	0	133	78	551	298
9/22/2008	*10:40 AM*	*2*	182	1	9	0.5	0	0	128	83	555	339
9/22/2008	*10:45 AM*	*2*	182	1	10	0.5	0	0	131	83	555	342
8/24/2009	*3:00 PM*	*2*	191	1	9	0.5	0	0	116	66	515	333
8/18/2010	*11:40 AM*	*2*	199	1	10	0.5	0	0	124	71	543	331
8/18/2010	*11:45 AM*	*2*	199	1	10	0.5	0	0	124	71	543	324
9/8/2011	*11:55 AM*	*2*	174	1	11	0.5	0	0	129	76	537	327

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*1:25 PM*								0
8/24/2005	*1:25 PM*								
8/24/2006	*2:50 PM*								
8/9/2007	*9:25 AM*								
9/22/2008	*10:40 AM*	0	0						
9/22/2008	*10:45 AM*	0	0						
8/24/2009	*3:00 PM*	0	0						
8/18/2010	*11:40 AM*	0	0						
8/18/2010	*11:45 AM*	0	0						
9/8/2011	*11:55 AM*	0	0						

Cleanup levels used by WYDEQ: *1.1 or 10 mg/L 7.3 mg/L 5 ug/L 700 ug/L 10,000 ug/L 10,000 ug/L 1,000 ug/L*

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*1:27 PM*	9.55	10.2	581	290
8/24/2005	*1:24 PM*	9.24	11	620	308
8/24/2006	*2:22 PM*	9.78	11.2	730	366
8/9/2007	*9:25 AM*	9.27	10.3	570	313
9/22/2008	*9:47 AM*	8.81	10.4	625	391
8/24/2009	*3:02 PM*	9.01	10.6	474	237
8/18/2010	*11:42 AM*	9.41	11.2	583	291
9/8/2011	*11:55 AM*	9.32	10.7	543	272

Water Level Data

	Water Level	*
8/24/2005	518.00	5
9/22/2008		3
8/24/2009		3
8/18/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI008 9/22/2011 *Field Data (2011 only)*

Arrival Time: *10:24 AM*

Well Name	Well Ownership Info.
Warbonnet 9-23	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
615	*679*	*10:56 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:33 AM	*9.64*	*629*	*315*	*10.9*
10:36 AM	*9.78*	*609*	*305*	*11.5*
10:39 AM	*9.75*	*614*	*307*	*11.6*
10:42 AM	*9.75*	*608*	*305*	*11.6*
10:45 AM	*9.74*	*605*	*302*	*11.7*
10:48 AM	*9.73*	*605*	*302*	*11.7*
10:51 AM	*9.73*	*603*	*301*	*11.8*
10:54 AM	*9.74*	*602*	*301*	*11.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4711946	*608526*	*7386*	*16.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:56 AM	*10:50 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *265 AMI008 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/29/2004	*11:20 AM*	*2*	138	1.1	19	3.3	0	0	134	104	599	340
8/19/2005	*11:30 AM*	*1*	143	1.1	19	2.9	0	0	130	114	634	370
8/16/2006	*1:10 PM*	*1*	150	1.1	21	2.7	0	1.2	124	111	621	332
7/10/2007	*3:10 PM*	*2*	148	0.9	18	4	0	0	128	98	580	322
8/28/2008	*4:35 PM*	*2*	137	0	16	3.4	0	0	120	107	542	314
12/8/2010	*1:15 PM*	*2*	146	1	18	3.2	0	0	117	97	563	352
9/22/2011	*10:50 AM*	*2*	134	0	18	3.2	0	0	123	94	566	326

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/29/2004	*11:20 AM*								0
8/19/2005	*11:30 AM*								
8/16/2006	*1:10 PM*								
7/10/2007	*3:10 PM*								
8/28/2008	*4:35 PM*	0	0						
12/8/2010	*1:15 PM*	0	0						
9/22/2011	*10:50 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/29/2004	*11:19 AM*	9.73	11	618	308
8/19/2005	*11:20 AM*	9.62	13.3	655	327
8/16/2006	*1:20 PM*	9.58	13.9	623	313
7/10/2007	*3:13 PM*	9.51	12.7	599	330
8/28/2008	*4:41 PM*	9.69	13.7	615	377
12/8/2010	*1:11 PM*	9.80	11.5	585	292
9/22/2011	*10:54 AM*	9.74	11.8	602	301

Water Level Data

	Water Level	*
8/19/2005	425.93	6
8/16/2006	428.27	6
8/28/2008		3
12/8/2010		3
9/22/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI011 10/5/2011 *Field Data (2011 only)*

Arrival Time: *11:32 AM*

Well Name	Well Ownership Info.
Falcon 1-36	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*328.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:05 PM	*9.49*	*791*	*397*	*9.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709619	*610234*	*7313*	*18.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:05 PM	*12:05 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
278 AMI011 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 53

Weather Notes:
overcast, slight breeze

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
Bailers were not completely full - only one, 1 liter glass bottle was filled.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/2/2004	*3:00 PM*	*1*	114	1.5	33	1.6	0.6	0	156	165	749	449
10/6/2005	*10:30 AM*	*2*	146	1.3	22	1.3	0	0	153	147	742	448
9/12/2006	*6:00 PM*	*1*	139	1.5	21	1.4	0	0	159	169	780	442
8/27/2007	*1:20 PM*	*1*	149	1.8	26	1.6	0	0.6	159	162	746	446
8/27/2007	*1:25 PM*	*1*	150	2	26	1.6	0	0.6	157	162	751	440
9/23/2008	*10:58 AM*	*1*	178	1	25	1.5	0	0	163	114	726	410
7/27/2010	*1:15 PM*	*1*	165	2	24	1.3	0	0	161	153	729	441
10/5/2011	*12:05 PM*	*1*	147	2	24	1.4	0	0	169	153	726	426

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/2/2004	*3:00 PM*								0
10/6/2005	*10:30 AM*								
9/12/2006	*6:00 PM*								
8/27/2007	*1:20 PM*								
8/27/2007	*1:25 PM*								
9/23/2008	*10:58 AM*	0	0						
7/27/2010	*1:15 PM*	0	0						
10/5/2011	*12:05 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/2/2004	*3:30 PM*	9.70	7	751	376
10/6/2005	*10:28 AM*	9.50	8	790	394
9/12/2006	*5:44 PM*	9.15	11.4	764	383
8/27/2007	*1:24 PM*	9.43	12.3	768	439
9/23/2008	*10:58 AM*	9.29	9.2	869	549
7/27/2010	*1:05 PM*	9.31	13	705	353
10/5/2011	*12:05 PM*	9.49	9.3	791	397

Water Level Data

	Water Level	*
11/2/2004	319.10	6
9/12/2006	328.91	6
8/27/2007	331.05	6
9/23/2008	332.02	6
7/27/2010	329.67	6
10/5/2011	328.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *10:40 AM*

Well Name	Well Ownership Info.
Mesa 3-22	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*446.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:23 AM	*9.26*	*896*	*448*	*11.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732387	*596165*	*7482*	*15.9*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:23 AM	*11:30 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
263 AMI014 DA11

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *545*

Sample Depth Actual (ft): *545*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 52

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Bailers came up partly full - we filled 1 - 1 liter glass bottle, 1 - 1 liter plastic and 3 - 40 ml glass bottles. Lab will have to run metals analysis from the 1 liter plastic bottle. Claude with QEP was also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/21/2004	*10:20 AM*	*1*	199	1.2	7	0.5	0	0.5	157	124	798	352
9/14/2005	*3:15 PM*	*1*	277	1	9	0.8	0	0	159	56	708	396
8/7/2007	*10:50 AM*	*1*	265	2.4	8	0.7	0	1.7	171	67	718	432
9/12/2008	*1:45 PM*	*1*	280	0	10	0.4	0	2	160	75	700	395
9/1/2009	*4:20 PM*	*1*	324	1	7	0.4	0	2	157	50	697	412
8/26/2010	*12:45 PM*	*1*	257	1	7	0.3	0	1	159	114	712	427
8/26/2010	*12:50 PM*	*1*	350	1	8	0.4	0	1	156	40	694	404
9/20/2011	*11:30 AM*	*1*	205	2	7	0.3	0	0	162	130	712	452

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/21/2004	*10:20 AM*								0
9/14/2005	*3:15 PM*								
8/7/2007	*10:50 AM*								
9/12/2008	*1:45 PM*	0	0						
9/1/2009	*4:20 PM*	0	0						
8/26/2010	*12:45 PM*	0	0						
8/26/2010	*12:50 PM*	0	0						
9/20/2011	*11:30 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/21/2004	*11:35 AM*	9.49	7.2	755	379
9/14/2005	*3:07 PM*	9.86	14.3	721	364
8/7/2007	*11:15 AM*	9.47	13.7	737	404
9/12/2008	*2:10 PM*	9.55	13.5	798	498
9/1/2009	*4:10 PM*	9.22	13.8	655	328
8/26/2010	*12:50 PM*	9.15	17.7	766	384
9/20/2011	*11:23 AM*	9.26	11.1	896	448

Water Level Data

	Water Level	*
10/21/2004	470.91	6
9/14/2005	472.83	6
8/7/2007	461.32	6
9/12/2008	460.81	6
9/1/2009	453.10	6
8/26/2010	449.85	6
9/20/2011	446.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI018 10/18/2011 *Field Data (2011 only)*

Arrival Time: *10:05 AM*

Well Name	Well Ownership Info.
Antelope 15-23	*Newfield*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*175*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:12 AM	*8.58*	*1289*	*645*	*9.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4702141	*617960*	*7169*	*15.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:12 AM	*11:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
291 AMI018 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *563.5*

Sample Depth Actual (ft): *563.5*

Bailing Method Used: *See Bailing Notes*

Bailers Used: *2 new double check valve*

Other Bailer Notes:
both nylon and polyester rope was used

Approximate Outside Temperature (F): 40

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/21/2004	*11:30 AM*	*1*	141	4.9	14	2.4	0.8	0.8	274	418	1270	784
10/11/2005	*1:00 PM*	*1*	130	3.3	12	2.4	0	0.9	260	398	1270	802
8/21/2006	*1:20 PM*	*1*	138	3.2	14	1.9	0	0.5	270	428	1290	740
9/10/2007	*2:30 PM*	*1*	138	2.9	12	2.6	0	0.7	276	430	1300	780
10/16/2008	*11:00 AM*	*1*	136	3	11	2.2	0	0	268	425	1280	768
8/24/2010	*11:10 AM*	*1*	151	3	10	2.1	0	0	259	411	1230	785
10/18/2011	*11:00 AM*	*1*	128	3	11	2.1	0	0	253	418	1210	759

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/21/2004	*11:30 AM*								0
10/11/2005	*1:00 PM*								0
8/21/2006	*1:20 PM*								0
9/10/2007	*2:30 PM*								
10/16/2008	*11:00 AM*	0	0						
8/24/2010	*11:10 AM*	0	0						
10/18/2011	*11:00 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/21/2004	*11:30 AM*	8.58	6.8	1260	626
10/11/2005	*1:15 PM*	9.10	10.9	1337	666
8/21/2006	*1:26 PM*	9.03	12.6	1440	716
9/10/2007	*2:21 PM*	9.04	10.9	1338	787
10/16/2008	*11:00 AM*	8.73	7.6	1354	853
8/24/2010	*11:06 AM*	9.15	11.7	1292	647
10/18/2011	*11:12 AM*	8.58	9.2	1289	645

Water Level Data

	Water Level	*
12/21/2004	174.38	6
10/11/2005	175.15	6
8/21/2006	177.12	6
9/10/2007	177.59	6
10/16/2008	177.39	6
8/24/2010	177.09	6
10/18/2011	175.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI019 9/27/2011 *Field Data (2011 only)*

Arrival Time: *2:02 PM*

Well Name	Well Ownership Info.
Stewart Point 11-34	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*510.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:45 PM	*9.59*	*514*	*257*	*14.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737146	*593444*	*7525*	*19.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:45 PM	*2:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
270 AMI019 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *615*

Sample Depth Actual (ft): *615*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 71

Weather Notes:
clear, slight breeze

SCCD Personnel Present

Delsa Allen	*Eric Peterson*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*11:20 AM*	*2*	177	1.8	11	0.9	0	0.5	154	138	795	430
9/13/2005	*1:30 PM*	*1*	191	1.1	10	1.2	0	0	133	90	632	384
9/13/2005	*2:30 PM*	*1*	196	1.2	10	1.2	0	0	140	96	630	368
8/29/2006	*1:00 PM*	*1*	180	1.7	9	1.1	0	0.6	156	151	714	358
8/7/2007	*1:30 PM*	*1*	194	1.3	6	1.7	0	0	134	84	516	326
9/15/2008	*11:30 AM*	*1*	183	1	6	1.4	0	0	122	65	499	307
9/1/2009	*1:20 PM*	*1*	196	0	5	1.6	0	0	104	44	480	302
8/25/2010	*2:50 PM*	*1*	203	0	6	1.5	0	0	110	54	504	312
9/27/2011	*2:45 PM*	*1*	178	0	6	1.5	0	0	115	49	487	299

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*11:20 AM*								0
9/13/2005	*1:30 PM*								0
9/13/2005	*2:30 PM*								0
8/29/2006	*1:00 PM*								0
8/7/2007	*1:30 PM*								0
9/15/2008	*11:30 AM*	0	0						
9/1/2009	*1:20 PM*	0	0						
8/25/2010	*2:50 PM*	0	0						
9/27/2011	*2:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*11:29 AM*	9.64	10.4	719	359
9/13/2005	*2:40 PM*	9.44	11.8	674	335
8/29/2006	*12:39 PM*	9.30	14.3	761	380
8/7/2007	*1:23 PM*	9.25	14.6	656	360
9/15/2008	*11:45 AM*	8.91	14.9	576	365
9/1/2009	*1:20 PM*	9.26	14.1	449	225
8/25/2010	*2:48 PM*	9.51	16.5	513	257
9/27/2011	*2:45 PM*	9.59	14.4	514	257

Water Level Data

	Water Level	*
9/13/2005	515.66	6
8/29/2006	515.44	6
8/7/2007	512.76	6
9/15/2008	517.52	6
9/1/2009	515.20	6
8/25/2010	516.09	6
9/27/2011	510.50	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI020 8/23/2011 *Field Data (2011 only)*

Arrival Time: *9:41 AM*

Well Name	Well Ownership Info.
Mocroft 11-22	*Sylvia Sandoval*

Well Locked ☐

Is Well Covered? *PVC cap*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*27.6*

Pump Activity Upon Arrival? *N/A*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:15 AM	*8.59*	*619*	*310*	*13.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740743	*593701*	*7133*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:15 AM	*10:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *235AMI020DA11*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *229*

Sample Depth Actual (ft): *229*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 68

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Eric Peterson also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/5/2007	*10:30 AM*	*1*	240	13	2	0.3	1	1	138	94	573	346
9/17/2008	*12:15 PM*	*1*	228	11	0	0.2	1	2	124	69	553	353
9/23/2009	*4:00 PM*	*1*	246	14	2	0.2	2	1	130	97	635	408
9/17/2010	*10:10 AM*	*1*	262	17	2	0.2	2	1	141	106	679	434
8/23/2011	*10:15 AM*	*1*	209	19	2	0.2	2	2	131	93	627	380

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/5/2007	*10:30 AM*								0
9/17/2008	*12:15 PM*	0	0						
9/23/2009	*4:00 PM*	0	0						
9/17/2010	*10:10 AM*	0	0						
8/23/2011	*10:15 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/5/2007	*10:28 AM*	8.49	12.2	504	297
9/17/2008	*11:50 AM*	7.99	15.7	672	434
9/23/2009	*4:03 PM*	8.79	14.3	533	266
9/17/2010	*10:29 AM*	8.86	11.5	627	313
8/23/2011	*10:15 AM*	8.59	13.2	619	310

Water Level Data

	Water Level	*
10/5/2007	39.03	6
9/17/2008	37.82	1
9/23/2009		1
9/17/2010		6
8/23/2011	27.60	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI023 8/23/2011 *Field Data (2011 only)*

Arrival Time: *10:49 AM*

Well Name	Well Ownership Info.
Mocroft 1-21	*Sylvia Sandoval*

Well Locked ☐

Is Well Covered? *PVC cap*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*34*

Pump Activity Upon Arrival? *N/A*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:20 AM	*9.53*	*1277*	*632*	*13.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741637	*592813*	*7160*	*17.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*11:20 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *235AMI023DA11*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *255*

Sample Depth Actual (ft): *255*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Eric Peterson also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/15/2004	*11:50 AM*	*1*	340	9.8	10	1.1	1.2	1.1	284	242	1370	749
9/21/2005	*3:45 PM*	*1*	412	35.8	10	0.5	1.4	1	267	188	1290	720
8/15/2006	*12:30 PM*	*1*	332	47	15	0.4	3.3	2.9	277	385	1310	760
10/4/2007	*10:40 AM*	*1*	404	12.5	9	0.5	2	1.3	287	254	1330	736
9/17/2008	*10:45 AM*	*1*	313	5	9	0.4	2	1	286	331	1320	807
9/23/2009	*3:00 PM*	*1*	286	12	7	0.4	3	1	265	338	1250	786
9/17/2010	*11:40 AM*	*1*	310	7	7	0.4	3	1	284	314	1220	772
8/23/2011	*11:20 AM*	*1*	313	6	8	0.4	2	1	284	259	1180	699

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/15/2004	*11:50 AM*								0
9/21/2005	*3:45 PM*								
8/15/2006	*12:30 PM*								
10/4/2007	*10:40 AM*								
9/17/2008	*10:45 AM*	0	0						
9/23/2009	*3:00 PM*	0	0						
9/17/2010	*11:40 AM*	0	0						
8/23/2011	*11:20 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/15/2004	*11:55 AM*	9.66	13.5	1330	667
9/21/2005	*4:00 PM*	10.06	12.1	1362	681
8/15/2006	*12:10 PM*	9.01	15	1444	722
10/4/2007	*10:21 AM*	9.58	10.6	1291	775
9/17/2008	*10:40 AM*	8.26	13.8	1488	936
9/23/2009	*3:02 PM*	8.78	13.3	1152	575
9/17/2010	*11:38 AM*	9.35	13	1311	656
8/23/2011	*11:20 AM*	9.53	13.4	1277	632

Water Level Data

	Water Level	*
10/15/2004	46.34	6
9/21/2005	42.13	1
8/15/2006	41.57	6
10/4/2007	44.08	1
9/17/2008	39.55	1
9/23/2009	39.07	1
9/17/2010	38.76	6
8/23/2011	34.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI027 9/8/2011 *Field Data (2011 only)*

Arrival Time: *10:41 AM*

Well Name	Well Ownership Info.
Mesa 3-20	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:47 AM	*9.27*	*688*	*344*	*13.7*
10:50 AM	*9.33*	*628*	*313*	*13.8*
10:53 AM	*9.27*	*626*	*314*	*13.9*
10:56 AM	*9.24*	*617*	*309*	*14*
10:59 AM	*9.24*	*601*	*301*	*14*
11:02 AM	*9.28*	*594*	*298*	*14.1*
11:05 AM	*9.25*	*592*	*296*	*14.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732419	*593166*	*7487*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:06 AM	*11:05 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI027 DA11*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present. Poly pipe that water samples were collected from is approximately 100 feet long.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/14/2004	*10:20 AM*	*2*	207	1.1	6	2.2	0	0	124	48	605	305
10/14/2004	*10:25 AM*	*2*	206	0.9	6	2.2	0	0	105	28	604	314
10/22/2004	*3:30 PM*	*2*	205	1.1	6	2.2	0	0	127	62	624	355
8/24/2005	*2:20 PM*	*2*	194	1	7	1.9	0	0	118	73	597	356
8/28/2006	*12:40 PM*	*2*	162	1.7	15	1.4	0	0.7	163	170	772	400
10/19/2006	*2:45 PM*	*2*	196	1.3	11	2	0	0	153	91	574	414
8/9/2007	*1:20 PM*	*2*	199	1.3	10	1.6	0	0	137	78	557	326
9/18/2008	*3:05 PM*	*2*	178	1	12	1.4	0	0	150	122	637	394
9/18/2008	*3:10 PM*	*2*	178	1	13	1.4	0	0	153	126	637	390
8/25/2009	*1:00 PM*	*2*	219	0	7	1.8	0	0	135	79	580	359
8/18/2010	*2:10 PM*	*2*	189	2	16	1.2	0	0	171	172	766	474
9/8/2011	*11:05 AM*	*2*	196	1	8	1.8	0	0	146	82	588	358

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/14/2004	*10:20 AM*								0
10/14/2004	*10:25 AM*								0
10/22/2004	*3:30 PM*								0
8/24/2005	*2:20 PM*								
8/28/2006	*12:40 PM*								
10/19/2006	*2:45 PM*								0
8/9/2007	*1:20 PM*								0
9/18/2008	*3:05 PM*	0	0						
9/18/2008	*3:10 PM*	0	0						
8/25/2009	*1:00 PM*	0	0						
8/18/2010	*2:10 PM*	0	0						
9/8/2011	*11:05 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/14/2004	*10:21 AM*	9.27	13.1	544	272
10/22/2004	*3:24 PM*	9.36	12.6	611	305
8/24/2005	*2:20 PM*	9.26	14.6	624	312
8/28/2006	*12:40 PM*	9.25	14.6	794	391
10/19/2006	*2:45 PM*	9.34	12.8	656	327
8/9/2007	*1:22 PM*	9.23	16.1	595	333
9/18/2008	*3:10 PM*	9.20	13.9	634	399
8/25/2009	*1:04 PM*	9.09	14.3	562	281
8/18/2010	*2:08 PM*	9.37	13.6	815	407
9/8/2011	*11:05 AM*	9.25	14.1	592	296

Water Level Data

	Water Level	*
9/18/2008		3
8/25/2009		3
8/18/2010		3
9/8/2011		3

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Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI028 10/4/2011 *Field Data (2011 only)*

Arrival Time: *9:52 AM*

Well Name	Well Ownership Info.
Stewart Point 11-33	*QEP*

Well Locked ☑

Is Well Covered? *See Notes*

Well Covering Notes: *a PVC cap was on well underneath a metal covering*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*519.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:32 AM	*9.37*	*649*	*324*	*12.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737438	*592152*	*7550*	*14.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:32 AM	*10:30 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *277 AMI028 DA11 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *735*

Sample Depth Actual (ft): *735*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 57

Weather Notes: *partly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*12:10 PM*	*2*	194	1	3	1.5	0	0	102	14	519	253
9/14/2005	*12:20 PM*	*1*	198	2.3	4	1.5	0	0	121	61	540	306
8/29/2006	*11:10 AM*	*1*	192	2	5	1.8	0	0.8	119	67	556	272
8/9/2007	*1:00 PM*	*2*	206	1.3	5	2.2	0	0	133	49	642	378
9/18/2008	*11:50 AM*	*2*	191	1	4	1.4	0	0	124	72	519	317
8/24/2009	*1:50 PM*	*2*	200	1	4	1.5	0	0	127	88	578	357
8/19/2010	*12:20 PM*	*2*	210	1	4	1.4	0	0	125	69	539	337
10/4/2011	*10:30 AM*	*1*	182	1	4	1.5	0	0	132	87	569	356

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*12:10 PM*								0
9/14/2005	*12:20 PM*								
8/29/2006	*11:10 AM*								
8/9/2007	*1:00 PM*								
9/18/2008	*11:50 AM*	0	0						
8/24/2009	*1:50 PM*	0	0						
8/19/2010	*12:20 PM*	0	0						
10/4/2011	*10:30 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*12:09 PM*	9.78	13.2	449	225
9/14/2005	*12:20 PM*	9.50	12	575	288
8/29/2006	*11:06 AM*	9.35	13.9	582	292
8/9/2007	*12:57 PM*	9.39	13.1	573	320
9/18/2008	*11:49 AM*	9.40	14.2	541	339
8/24/2009	*1:52 PM*	9.20	12.5	519	259
8/19/2010	*12:18 PM*		13		
10/4/2011	*10:32 AM*	9.37	12.2	649	324

Water Level Data

	Water Level	*
9/14/2005	530.31	6
8/29/2006	526.50	6
9/18/2008		3
8/24/2009		3
8/19/2010		3
10/4/2011	519.20	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI029 9/8/2011 *Field Data (2011 only)*

Arrival Time: *9:53 AM*

Well Name	Well Ownership Info.
Mesa 13-5	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:55 AM	*9.37*	*775*	*387*	*10.9*
9:58 AM	*9.43*	*742*	*372*	*11.3*
10:01 AM	*9.4*	*733*	*367*	*11.5*
10:04 AM	*9.4*	*725*	*363*	*11.5*
10:07 AM	*9.39*	*715*	*359*	*11.5*
10:10 AM	*9.39*	*709*	*355*	*11.6*
10:13 AM	*9.38*	*706*	*352*	*11.6*
10:15 AM	*9.42*	*703*	*352*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4736017	*592746*	*7541*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:16 AM	*10:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI029 DA11*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 61

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*12:45 PM*	*2*	196	0.9	4	1.7	0	0	110	37	553	278
8/25/2005	*8:30 AM*	*2*	193	1	3	1.5	0	0	113	58	546	322
5/10/2006	*11:50 AM*	*2*	195	2.3	8	1.2	0	0	182	222	846	510
10/19/2006	*1:39 PM*	*2*	145	1.4	7	1.3	0	0	150	134	514	402
8/9/2007	*12:35 PM*	*2*	183	1.9	7	1.4	0	0	170	171	752	446
9/22/2008	*10:15 AM*	*2*	177	2	6	1.4	0	0	168	168	713	433
8/24/2009	*2:30 PM*	*2*	187	1	6	1.3	0	0	153	146	698	318
8/19/2010	*11:20 AM*	*2*	196	2	6	1.3	0	0	156	145	685	416
9/8/2011	*10:15 AM*	*2*	177	2	7	1.2	0	0	168	157	699	421

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*12:45 PM*								0
8/25/2005	*8:30 AM*								
5/10/2006	*11:50 AM*								0
10/19/2006	*1:39 PM*								0
8/9/2007	*12:35 PM*								0
9/22/2008	*10:15 AM*	0	0						
8/24/2009	*2:30 PM*	0	0						
8/19/2010	*11:20 AM*	0	0						
9/8/2011	*10:15 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*12:46 AM*	9.64	13.2	490	246
8/25/2005	*8:28 AM*	9.34	12.9	564	282
5/10/2006	*11:53 AM*	9.23	11.3	924	462
10/19/2006	*1:39 PM*	9.19	10.5	700	350
8/9/2007	*12:31 PM*	9.30	12.9	782	435
9/22/2008	*10:03 AM*	8.75	11.4	800	502
8/24/2009	*2:27 PM*	9.11	12	617	308
8/19/2010	*11:22 AM*		12		
9/8/2011	*10:15 AM*	9.42	11.7	703	352

Water Level Data

	Water Level	*
8/25/2005	520.50	5
9/22/2008		3
8/24/2009		3
8/19/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI030 9/19/2011 *Field Data (2011 only)*

Arrival Time: *12:31 PM*

Well Name	Well Ownership Info.
Stewart Point 5-20	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*327.6*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:28 PM	*9.12*	*756*	*379*	*12.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741349	*590171*	*7404*	*17.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:28 PM	*1:10 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
262 AMI030 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *650*

Sample Depth Actual (ft): *560*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes:
mostly cloudy

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/23/2004	*4:33 PM*	*1*	111	30.4	125	1.8	3	0	145	96	859	518
9/12/2005	*11:00 AM*	*1*	194	1.1	7	1.7	0	0	126	68	637	364
8/24/2006	*12:10 PM*	*2*	184	0.9	2	0.8	0	0	106	31	474	226
8/9/2007	*2:30 PM*	*2*	202	0.9	2	1	0	0	104	31	451	258
9/18/2008	*10:30 AM*	*2*	191	0	2	0.8	0	0	102	32	413	264
8/24/2009	*10:00 AM*	*2*	200	1	6	1.9	0	0	138	112	637	395
8/25/2010	*10:20 AM*	*1*	201	2	7	2	0	0	145	118	647	390
9/19/2011	*1:10 PM*	*1*	179	2	7	1.9	0	0	149	123	644	402

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/23/2004	*4:33 PM*								0
9/12/2005	*11:00 AM*								
8/24/2006	*12:10 PM*								
8/9/2007	*2:30 PM*								
9/18/2008	*10:30 AM*	0	0						
8/24/2009	*10:00 AM*	0	0						
8/25/2010	*10:20 AM*	0	0						
9/19/2011	*1:10 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/23/2004	*4:35 PM*	6.78		1302	
9/12/2005	*10:44 AM*	9.51	9	630	315
8/24/2006	*12:13 PM*	9.74	11.2	544	273
8/9/2007	*2:34 PM*	9.57	11.2	476	266
9/18/2008	*10:29 AM*	9.43	11.5	441	277
8/24/2009	*9:48 AM*	8.81	10.7	560	280
8/25/2010	*10:13 AM*	9.19	14.3	692	346
9/19/2011	*1:28 PM*	9.12	12.6	756	379

Water Level Data

	Water Level	*
8/23/2004	329.70	5
8/23/2004	330.87	4
9/12/2005	324.53	6
8/24/2006	382.90	5
9/18/2008		3
8/24/2009		3
8/25/2010	330.09	6
9/19/2011	327.60	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *10:13 AM*

Well Name	Well Ownership Info.
Highway Federal #11	*Yates*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*235.1*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:40 AM	*8.74*	*1357*	*681*	*8.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708012	*615776*	*7280*	*14.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:40 AM	*11:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
290 AMI033 DA11 Y

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *655*

Sample Depth Actual (ft): *655*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 43

Weather Notes:
clear, very breezy

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. We had to send bailers back down into well a second time to collect enough water to fill sample bottles. Doug with Yates also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/27/2004	*10:30 AM*	*1*	72	6.1	12	2.1	0	0.6	260	458	1200	813
9/27/2005	*12:30 PM*	*2*	76	5.7	12	2	0	0	263	465	1280	830
9/13/2006	*12:10 PM*	*1*	72	6.1	11	2.2	0	0.7	268	502	1350	814
9/19/2007	*12:40 PM*	*1*	77	6	11	2.6	0	0.6	267	510	1340	796
10/6/2008	*1:30 PM*	*1*	86	5	14	2.3	0	0	288	486	1300	811
11/6/2008	*12:30 PM*	*1*	89	4	11	2.4	0	0	278	491	1350	804
12/7/2009	*12:30 PM*	*1*	81	5	10	2.2	0	0	272	495	1270	794
12/7/2009	*12:35 PM*	*1*	80	5	10	2.2	0	0	276	491	1270	782
10/4/2010	*11:45 AM*	*1*	81	5	10	2.3	0	0	263	492	1280	836
10/28/2010	*12:25 PM*	*1*	76	5	10	2.4	0	0	268	486	1290	813
10/17/2011	*11:00 AM*	*1*	72	6	11	2.1	0	0	269	488	1250	801

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/27/2004	*10:30 AM*								0
9/27/2005	*12:30 PM*								
9/13/2006	*12:10 PM*								
9/19/2007	*12:40 PM*								
10/6/2008	*1:30 PM*	**1.7**	0						
11/6/2008	*12:30 PM*	0	0	0	0	0	0	0	
12/7/2009	*12:30 PM*	0	0	0	0	0	0	**6.3**	
12/7/2009	*12:35 PM*	0	0	0	0	0	0	**4.9**	
10/4/2010	*11:45 AM*	0	0	0	0	0	0	**2.7**	
10/28/2010	*12:25 PM*	0	0	0	0	0	0	**3.4**	
10/17/2011	*11:00 AM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/27/2004	*10:30 AM*	9.05		1181	
9/27/2005	*12:30 PM*	9.00	11.2	1401	700
9/13/2006	*12:05 PM*	9.13	12.2	1360	681
9/19/2007	*12:35 PM*	9.15	12.2	1349	794
10/6/2008	*1:40 PM*	9.19	9.8	1467	926
11/6/2008	*12:25 PM*	9.39	8.3	1368	899
12/7/2009	*12:30 PM*	8.37	5	1321	660
10/4/2010	*11:40 AM*	9.11	11.7	1337	669
10/28/2010	*1:05 PM*	9.17	12	1301	651
10/17/2011	*11:40 AM*	8.74	8.1	1357	681

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
8/27/2004	271.30	5
8/27/2004	271.32	4
9/13/2006	274.98	6
9/19/2007	270.64	6
10/6/2008	266.35	1
11/6/2008		3
12/7/2009	266.92	6
10/4/2010	256.22	6
10/4/2010	254.30	5
10/28/2010	250.60	5
10/17/2011	235.10	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

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If results are blank, parameter was not analyzed or unavailable.

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AMI036 8/19/2011 *Field Data (2011 only)*

Arrival Time: *12:41 PM*

Well Name	Well Ownership Info.
County Shop #1	*Sublette County*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Could not access well for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:51 PM	9.19	252	126	17.2
12:54 PM	9.13	251	126	16.7
12:57 PM	9.11	252	126	15.3
1:00 PM	9.13	252	126	14.7
1:03 PM	9.15	253	127	14.5
1:06 PM	9.16	253	127	14.2
1:09 PM	9.12	254	126	13.7
1:12 PM	9.1	254	127	13.5
1:15 PM	9.09	253	127	13.5

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740950	595336	7124	16.8

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:16 PM	*1:10 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:16 PM	*1:15 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *06) Inside faucet*

DRO bottles filled from: *06) Inside faucet*

Rest of bottles filled from: *06) Inside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *231AMI036DA11 & 231AMI036DA11D*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 75

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2009	*1:45 PM*	*5*	113	0	2	0.1	0	0	56	9	252	205
9/23/2010	*11:35 AM*	*5*	125	0	2	0.1	0	0	58	10	242	188
8/19/2011	*1:10 PM*	*3*	110	0	3	0.1	0	0	61	12	244	145
8/19/2011	*1:15 PM*	*3*	116	0	3	0.1	0	0	61	12	242	148

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2009	*1:45 PM*	0	0						
9/23/2010	*11:35 AM*	0	0						
8/19/2011	*1:10 PM*	0	0						
8/19/2011	*1:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2009	*1:51 PM*	8.93	17.8	233	116
9/23/2010	*11:35 AM*	9.20	12.9	260	130
8/19/2011	*1:15 PM*	9.09	13.5	253	127

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *1:13 PM*

Well Name	Well Ownership Info.
Warbonnet 13-19	*old industial use well, has been used by Jackson Schwabacher for stock use*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*277.3*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4711519	*600882*	*7235*	*19.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *partly cloudy, windy*

SCCD Personnel Present

Sharon Harrell	*Meghann Durbrow*

Overall Field / Sample Notes

no samples collected - pump's electrical cord missing plug (see photos)

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/24/2005	*12:45 PM*	*5*	298	0.9	40	13.8	0	0	167	0	769	418
7/18/2007	*11:00 AM*	*5*	298	0.7	34	16.2	0	0	176	0	724	428
10/8/2008	*11:40 AM*	*5*	293	0	31	13.4	0	0	184	1	710	432
11/5/2009	*3:30 PM*	*5*	312	0	32	14.4	0	0	169	0	699	417
11/5/2009	*3:35 PM*	*5*	308	0	35	14.4	0	0	171	0	705	424
9/27/2010	*5:12 PM*	*5*	316	0	40	13	0	0	169	0	712	415

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/24/2005	*12:45 PM*								0
7/18/2007	*11:00 AM*								
10/8/2008	*11:40 AM*	0	0						
11/5/2009	*3:30 PM*	0	0						
11/5/2009	*3:35 PM*	0	0						
9/27/2010	*5:12 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/24/2005	*12:35 PM*	9.24	13.2	757	379
7/18/2007	*11:05 AM*	8.99	15.4	746	407
10/8/2008	*11:37 AM*	9.12	11.7	697	439
11/5/2009	*3:34 PM*	9.09	11.4	688	343
9/27/2010	*5:15 PM*	9.26	12	751	375

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
5/24/2005	289.57	5
8/1/2008		3
10/8/2008		3
11/5/2009		3
9/27/2010	278.50	5
9/27/2010	280.05	1
9/1/2011	277.30	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI043 6/21/2011 *Field Data (2011 only)*

Arrival Time: *10:18 AM*

Well Name: *Mesa Lovatt Draw 15-8*

Well Ownership Info.: *BLM - Stock well*

Well Locked ☐

Is Well Covered?: *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?: *No*

Water Level Notes: *Well is not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:29 AM	*9.63*	*779*	*388*	*9.5*
10:32 AM	*9.24*	*742*	*372*	*9.7*
10:35 AM	*9.26*	*748*	*372*	*9.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724718	*593609*	*7115*	*14.4*

Unit Used: *Garmin GPS Map 76*

GPS Notes:

Actual Sample Collection Time: *10:30 AM*

Time Used on Bottle Labels: *10:30 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:

Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *Sample collected from SCCD Y attached to T (spigot) installed in pipe between well and storage tank*

Sample Bottle Notes / Sample ID: *172AMI043DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 59

Weather Notes: *Clear, calm*

SCCD Personnel Present: *Delsa Allen*, *Sharon Harrell*

Overall Field / Sample Notes: *Charles was afraid that there was not much gas in the generator, so sample was collected early*

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/24/2004	*9:02 AM*	*5*	180	12.7	24	1.9	4.8	0.9	165	182	639	533
6/19/2007	*3:20 PM*	*5*	190	8.2	26	2.5	3	0.9	172	170	807	478
6/27/2008	*4:58 PM*	*5*	142	9.2	6	0.7	1.6	0.8	183	248	824	517
9/10/2009	*12:30 PM*	*5*	186	2	26	2.2	0	0	148	119	699	446
7/6/2010	*5:00 PM*	*5*	201	11	23	1.7	4	1	171	191	829	559
6/21/2011	*10:30 AM*	*5*	193	4	28	2.1	1	0	166	137	727	458

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/24/2004	*9:02 AM*								0
6/19/2007	*3:20 PM*								
6/27/2008	*4:58 PM*	0	0						
9/10/2009	*12:30 PM*	0	**0.15**						
7/6/2010	*5:00 PM*	0	0	0	0	0	0	0	
6/21/2011	*10:30 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/24/2004	*9:30 AM*	8.93		807	
6/6/2005	*1:54 PM*	8.43			
6/19/2007	*3:07 PM*	9.13	11.7	826	414
6/27/2008	*4:58 PM*	8.96	12	886	527
9/10/2009	*12:29 PM*	9.30	10	673	337
7/6/2010	*5:01 PM*	8.96	10.7	805	402
6/21/2011	*10:35 AM*	9.26	9.8	748	372

Water Level Data

	Water Level	*
8/24/2004	158.80	5
8/24/2004	159.10	4
6/27/2008		3
9/10/2009		3
6/9/2010		3
7/6/2010		3
6/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI047 7/26/2011 *Field Data (2011 only)*

Arrival Time: *9:24 AM*

Well Name	Well Ownership Info.
Crosswinds #1	*Ryan Persinger*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*12.7*

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:37 AM	*8.22*	*309*	*157*	*11.3*
9:40 AM	*8.36*	*303*	*152*	*10.3*
9:43 AM	*8.38*	*308*	*154*	*8.1*
9:46 AM	*8.39*	*307*	*153*	*8.2*
9:49 AM	*8.42*	*310*	*155*	*8.3*
9:52 AM	*8.39*	*305*	*153*	*8.2*
9:55 AM	*8.39*	*309*	*155*	*8.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4746556	*591150*	*7204*	*18.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:00 AM	*10:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *207AMI047DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *Clear, calm*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes *Pump surged off and on*

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/27/2004	*3:15 PM*	*3*	131	8.3	3	0.6	1.3	1	58.5	27	312	186
9/21/2006	*3:30 PM*	*3*	119	10.5	3	0.3	1.5	1.2	57	24	284	188
8/16/2007	*2:00 PM*	*3*	130	11.2	2	0.5	1.6	1.1	56.2	19	264	180
8/13/2008	*5:00 PM*	*3*	126	12.3	2	0.4	1.7	1.2	56.8	29	289	161
8/18/2009	*4:50 PM*	*3*	129	10	3	0.4	1	1	55	19	287	166
8/18/2009	*4:55 PM*	*3*	129	11	3	0.4	2	1	52	19	286	176
8/16/2010	*12:00 PM*	*3*	140	11	3	0.4	2	1	54	21	292	174
7/26/2011	*10:55 AM*	*3*	135	10	3	0.4	1	1	60	23	285	183

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/27/2004	*3:15 PM*								0
9/21/2006	*3:30 PM*								0
8/16/2007	*2:00 PM*								
8/13/2008	*5:00 PM*	0	0						
8/18/2009	*4:50 PM*	0	0						
8/18/2009	*4:55 PM*	0	0						
8/16/2010	*12:00 PM*	0	0						
7/26/2011	*10:55 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/27/2004	*3:17 PM*	8.55	16.9	317	158
9/21/2006	*3:21 PM*	8.56	7.8	337	170
8/16/2007	*2:03 PM*	8.23	9.2	308	179
8/13/2008	*4:47 PM*	8.04	10.3	287	177
8/18/2009	*4:48 PM*	7.86	10	275	137
8/16/2010	*11:58 AM*	8.44	8.7	319	159
7/26/2011	*9:55 AM*	8.39	8.2	309	155

Water Level Data

	Water Level	*
9/21/2006	6.14	1
8/16/2007	3.84	1
8/18/2009	5.01	1
8/16/2010	4.97	1
7/26/2011	12.70	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI064 8/11/2011 *Field Data (2011 only)*

Arrival Time: *10:22 AM*

Well Name	Well Ownership Info.
Dew Lumber #1	*Mark & Susan Noble*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *Unknown*

Water Level Notes: *Could not access well for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:28 AM	9.18	471	235	12.5
10:31 AM	9.4	454	227	12
10:34 AM	9.43	456	228	11.1
10:37 AM	9.45	458	230	8.4
10:40 AM	9.42	459	230	9
10:43 AM	9.43	460	229	8.8
10:45 AM	9.42	462	230	8.2
10:48 AM	9.43	461	231	8.1
10:51 AM	9.41	461	231	7.9

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745840	588749	7246	12.8

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:53 AM	*10:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:53 AM	*10:45 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *223AMI064DA11 & 223AMI064DA11D*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 66

Weather Notes: *Mostly clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Duplicate sample collected

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/4/2004	*11:45 AM*	*1*	160	3.8	2	2.9	1.3	1.5	77.1	17	367	215
9/21/2005	*11:40 AM*	*1*	155	4.1	3	2.1	0.9	0.8	84.2	27	438	246
10/5/2006	*5:05 PM*	*5*	201	3	0	3.2	0.5	1	116	38	496	282
8/24/2007	*12:25 PM*	*5*	269	83	238	4.1	1.3	0.8	251	40	1400	772
8/5/2008	*2:00 PM*	*5*	200	1.3	1	4.4	0	0	126	54	502	293
8/12/2009	*10:35 AM*	*5*	203	1	2	4.3	0	0	119	46	521	312
9/8/2010	*2:05 PM*	*5*	217	1	2	4.2	0	0	116	39	481	317
8/11/2011	*10:40 AM*	*3*	190	1	2	4	0	0	119	35	472	270
8/11/2011	*10:45 AM*	*3*	192	1	2	4	0	0	118	35	471	273

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/4/2004	*11:45 AM*								0
9/21/2005	*11:40 AM*								
10/5/2006	*5:05 PM*								
8/24/2007	*12:25 PM*								0
8/5/2008	*2:00 PM*	0	0						
8/12/2009	*10:35 AM*	0	0						
9/8/2010	*2:05 PM*	0	0						
8/11/2011	*10:40 AM*	0	0						
8/11/2011	*10:45 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/4/2004	*11:45 AM*	9.34	15.9	427	213
9/21/2005	*11:40 AM*	9.51	10.1	425	212
10/5/2006	*5:07 PM*	9.39	9.3	531	266
8/24/2007	*12:33 PM*	8.78	11.1	1721	996
8/5/2008	*2:06 PM*	9.23	9.8	572	339
8/12/2009	*10:33 AM*	8.97	8.5	460	230
9/8/2010	*2:09 PM*	9.41	8.5	518	259
8/11/2011	*10:51 AM*	9.41	7.9	461	231

Water Level Data

	Water Level	*
10/4/2004	33.58	1
9/21/2005	33.98	1
10/5/2006	52.23	1
8/5/2008		3
8/12/2009		3
9/8/2010		3
8/11/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI065 8/10/2011 *Field Data (2011 only)*

Arrival Time: *2:50 PM*

Well Name	Well Ownership Info.
Dew Lumber #2	*Richard & Kathleen Jenkins*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *Unknown, but probable pump activity*

Water Level Notes: *Chose not to take water level reading due to possible pump activity*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:56 PM	9.4	400	200	9.3
2:59 PM	9.31	509	285	7.9
3:02 PM	9.5	455	228	7.6
3:05 PM	9.58	430	215	7.5
3:08 PM	9.62	415	207	7.5
3:11 PM	9.65	394	197	7.5
3:14 PM	9.65	396	198	7.4
3:17 PM	9.68	382	191	7.4
3:20 PM	9.69	376	188	7.6

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745745	588674	7272	17.3

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:20 PM	*3:21 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *03) SCCD hose attached to outside faucet*

DRO bottles filled from: *03) SCCD hose attached to outside faucet*

Rest of bottles filled from: *03) SCCD hose attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *222AMI065DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 73

Weather Notes: *Partly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

High water pressure. All samples, including field samples had to be collected from SCCD hose.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/14/2004	*3:15 PM*	*5*	249	4.3	9	1.6	0	0	227	220	1080	612
9/21/2005	*12:45 PM*	*5*	235	3.6	10	1.8	0	0	202	197	983	586
8/15/2006	*10:50 AM*	*5*	206	1.8	4	1	0	1.5	136	109	646	358
10/5/2007	*11:20 AM*	*5*	213	1	2	1	0	0	125	61	546	320
8/5/2008	*2:40 PM*	*5*	210	1.6	2	1	0	0	137	65	550	321
8/11/2009	*10:50 AM*	*5*	197	1	3	0.7	0	0	122	58	539	300
9/7/2010	*4:35 PM*	*5*	212	1	2	0.7	0	0	111	41	470	262
8/10/2011	*3:20 PM*	*3*	185	1	2	0.6	0	0	108	40	461	261

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/14/2004	*3:15 PM*								0
9/21/2005	*12:45 PM*								0
8/15/2006	*10:50 AM*								
10/5/2007	*11:20 AM*								
8/5/2008	*2:40 PM*	0	0						
8/11/2009	*10:50 AM*	0	0						
9/7/2010	*4:35 PM*	0	0						
8/10/2011	*3:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/14/2004	*3:17 PM*	8.78	8.2	1034	509
9/21/2005	*12:32 PM*	8.84	7.4	1073	540
8/15/2006	*10:47 AM*	9.20	7.9	679	342
10/5/2007	*11:27 AM*	9.20	7.8	600	354
8/5/2008	*2:43 PM*	9.35	10	641	399
8/11/2009	*10:51 AM*	9.10	7.7	479	239
9/7/2010	*4:42 PM*	9.75	7.6	436	218
8/10/2011	*3:20 PM*	9.69	7.6	376	188

Water Level Data

	Water Level	*
8/5/2008		3
8/11/2009		3
9/7/2010		3
8/10/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI066 8/18/2011 *Field Data (2011 only)*

Arrival Time: *10:56 AM*

Well Name	Well Ownership Info.
Flugel #2	*Harri J. Seaton*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *Steel man-hole cover over well head*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Could not access well to obtain a water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:19 AM	*8.93*	*881*	*440*	*12.7*
11:22 AM	*8.94*	*860*	*428*	*8.6*
11:25 AM	*8.96*	*836*	*419*	*7.8*
11:28 AM	*8.89*	*829*	*417*	*8.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745094	*588575*	*7313*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:31 AM	*11:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *230AMI066DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 65

Weather Notes: *Clear, calm*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

Had to stop field sampling early as water pressure started to drop off dramatically.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/14/2008	*1:05 PM*	*3*	152	5	24	2.6	0	0	241	325	1060	649
8/6/2009	*11:00 AM*	*3*	166	3	19	2.2	0	0	201	262	1010	634
9/13/2010	*10:30 AM*	*3*	181	4	19	2.2	0	0	221	274	972	616
8/18/2011	*11:40 AM*	*3*	154	4	19	2.3	0	0	228	281	973	606

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/14/2008	*1:05 PM*	0	0						
8/6/2009	*11:00 AM*	0	0						
9/13/2010	*10:30 AM*	0	0						
8/18/2011	*11:40 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/14/2008	*1:05 PM*	8.49	7	1156	740
8/6/2009	*10:59 AM*	8.57	7.9	903	451
9/13/2010	*10:30 AM*	8.92	7.4	1051	526
8/18/2011	*11:28 AM*	8.89	8.4	829	417

Water Level Data

	Water Level	*
11/14/2008	59.95	1
8/6/2009		3
9/13/2010		3
8/18/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI067 8/18/2011 *Field Data (2011 only)*

Arrival Time: *12:42 PM*

Well Name	Well Ownership Info.
Williams #1	*Josh & Sarah Harber*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *Well was not sealed, metal covering half on.*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *Unknown*

Water Level Notes: *Could not access well for accurate water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:55 PM	8.52	661	330	11
12:58 PM	8.97	647	323	9.8
1:01 PM	8.98	649	324	8.8
1:04 PM	8.96	655	327	8.3
1:07 PM	8.97	661	330	7.9
1:10 PM	8.97	654	327	8.1
1:13 PM	8.91	665	331	8.1

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745021	*588311*	*7344*	*17.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:18 PM	*1:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *230AMI067DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 79

Weather Notes: *Clear, slight breeze*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
1/21/2009	*9:30 AM*	*5*	140	3	17	2.3	0	0	169	184	776	482
8/12/2009	*12:00 PM*	*5*	152	3	19	2.2	0	0	174	180	789	460
9/9/2010	*11:30 AM*	*5*	159	3	20	2.2	0	0	172	183	753	483
8/18/2011	*1:15 PM*	*3*	142	3	25	2.2	0	0	178	193	772	466

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
1/21/2009	*9:30 AM*	0	0						
8/12/2009	*12:00 PM*	0	0						
9/9/2010	*11:30 AM*	0	0						
8/18/2011	*1:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
1/21/2009	*9:22 AM*	8.61	6.8	673	336
8/12/2009	*12:01 PM*	8.79	7.8	712	356
9/9/2010	*11:30 AM*	9.02	7.5	816	408
8/18/2011	*1:13 PM*	8.91	8.1	665	331

Water Level Data

	Water Level	*
1/21/2009		3
8/12/2009		3
9/9/2010		3
8/18/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI075 7/20/2011 *Field Data (2011 only)*

Arrival Time: *10:50 AM*

Well Name	Well Ownership Info.
Driggs #2	*Mike Ray / North Sky, LLC*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*11.8*

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:01 AM	*7.43*	*472*	*235*	*27.2*
11:04 AM	*7.57*	*475*	*237*	*31.6*
11:07 AM	*7.63*	*474*	*236*	*30.5*
11:10 AM	*7.63*	*473*	*236*	*29.3*
11:13 AM	*7.66*	*471*	*236*	*28.1*
11:16 AM	*7.66*	*471*	*236*	*27.1*
11:19 AM	*7.66*	*473*	*236*	*26.6*
11:22 AM	*7.66*	*472*	*236*	*26.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4746684	*590631*	*7228*	*24*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:23 AM	*11:20 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *201AMI075DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

3 - one liter bottles collected. Sulfur smell to water.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/1/2004	*2:08 PM*	*3*	234	74.6	3	0.2	12.1	2.3	15	10	462	261
8/23/2005	*2:45 PM*	*3*	228	66	2	0.2	11.6	2	14	9	450	258
10/3/2007	*11:40 AM*	*3*	240	64.9	2	0.2	11.3	2.3	14.8	11	441	274
11/12/2008	*2:50 PM*	*3*	232	72	2	0.2	13	2	17	10	442	233
9/23/2009	*12:30 PM*	*3*	256	68	2	0.2	11	2	12	7	424	255
8/17/2010	*3:30 PM*	*3*	269	72	3	0.2	12	2	12	8	468	261
7/20/2011	*11:20 AM*	*3*	246	75	3	0.2	12	3	13	10	452	270

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/1/2004	*2:08 PM*								0
8/23/2005	*2:45 PM*								0
10/3/2007	*11:40 AM*								
11/12/2008	*2:50 PM*	0	0						
9/23/2009	*12:30 PM*	0	0						
8/17/2010	*3:30 PM*	0	0						
7/20/2011	*11:20 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/1/2004	*2:06 PM*	7.91	10.7	509	255
8/23/2005	*2:41 PM*	7.48	12.7	470	233
10/3/2007	*11:44 AM*	7.44	12.1	463	273
11/12/2008	*2:52 PM*	7.47	10	487	311
9/23/2009	*12:30 PM*	7.51	12.7	425	212
8/17/2010	*3:24 PM*	7.76	12.8	498	249
7/20/2011	*11:22 AM*	7.66	26.1	472	236

Water Level Data

	Water Level	*
10/1/2004	6.10	1
8/23/2005	7.47	1
10/3/2007	7.14	1
11/12/2008	10.27	1
9/23/2009	8.70	1
8/17/2010	7.73	1
7/20/2011	11.80	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI078 9/29/2011 *Field Data (2011 only)*

Arrival Time: *10:02 AM*

Well Name	Well Ownership Info.
Riverside 1-4	*Ultra*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
653	*729*	*10:24 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:04 AM	*8.99*	*716*	*359*	*11.3*
10:07 AM	*9.01*	*673*	*336*	*13*
10:10 AM	*9*	*668*	*336*	*13.1*
10:13 AM	*9*	*669*	*334*	*13.3*
10:16 AM	*8.97*	*667*	*334*	*13.3*
10:19 AM	*8.96*	*667*	*334*	*13.3*
10:22 AM	*8.96*	*667*	*334*	*13.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727536	*595565*	*7146*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:24 AM	*10:25 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

272 AMI078 DA11 U

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 53

Weather Notes:

clear, calm

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/15/2004	*11:45 AM*	*1*	195	1.7	93	1.8	0	0.7	147	40	724	434
8/30/2005	*2:50 PM*	*2*	278	1.4	2	2.3	0	0	137	31	582	358
9/22/2006	*12:30 PM*	*2*	288	1.5	0	2.8	0	0	150	44	624	378
9/12/2007	*1:30 PM*	*1*	291	1.3	17	3.3	0	0.7	158	39	672	418
8/29/2008	*8:25 AM*	*2*	275	2	2	2.8	0	0	164	48	608	372
8/29/2008	*8:30 AM*	*2*	275	2	1	2.8	0	0	161	49	610	358
8/3/2009	*1:20 PM*	*2*	280	2	2	3	2	0	153	37	648	386
8/3/2009	*1:25 PM*	*2*	282	1	2	3	2	0	151	37	651	391
8/3/2010	*12:55 PM*	*2*	309	2	2	2.9	0	0	160	43	634	363
9/29/2011	*10:25 AM*	*2*	275	1	2	2.9	0	0	156	46	628	368

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/15/2004	*11:45 AM*								0
8/30/2005	*2:50 PM*								
9/22/2006	*12:30 PM*		0	0	0	0	0	0	0
9/12/2007	*1:30 PM*								0
8/29/2008	*8:25 AM*	0	0						
8/29/2008	*8:30 AM*	0	0						
8/3/2009	*1:20 PM*	0	0						
8/3/2009	*1:25 PM*	0	0						
8/3/2010	*12:55 PM*	0	0						
9/29/2011	*10:25 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/15/2004	*11:50 AM*	8.75	10.4	659	328
8/30/2005	*2:41 PM*	9.11	13.7	602	304
9/22/2006	*12:25 PM*	9.07	11.7	773	386
9/12/2007	*1:37 PM*	8.95	14.4	690	409
8/29/2008	*8:21 AM*	8.49	12.4	713	447
8/3/2009	*1:19 PM*	8.92	14.2	624	312
8/3/2010	*12:57 PM*	9.07	14	611	306
9/29/2011	*10:22 AM*	8.96	13.3	667	334

Water Level Data

	Water Level	*
12/15/2004	185.15	5
8/30/2005	203.28	5
9/22/2006	195.30	5
9/12/2007	180.49	6
8/29/2008		3
8/3/2009		3
8/3/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI082 9/28/2011 *Field Data (2011 only)*

Arrival Time: *2:00 PM*

Well Name	Well Ownership Info.
Vible 1-11	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water leve*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
34165	*34250*	*2:35 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:17 PM	*9.18*	*626*	*314*	*11.9*
2:20 PM	*9.16*	*626*	*313*	*11.7*
2:23 PM	*9.16*	*625*	*313*	*11.7*
2:26 PM	*9.15*	*626*	*313*	*11.7*
2:29 PM	*9.11*	*626*	*313*	*11.7*
2:32 PM	*9.11*	*626*	*313*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4725267	*598892*	*6885*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:35 PM	*2:35 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI082 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 76

Weather Notes: *mostly clear*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept all together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*3:07 PM*	*2*	290	1.2	6	5	0	0.9	145	18	610	378
10/4/2005	*4:45 PM*	*6*	291	1	5	5	0	0	142	16	610	344
9/5/2006	*3:50 PM*	*6*	290	1.1	6	3.6	0	0.7	146	18	636	346
8/29/2007	*2:13 PM*	*6*	296	1.1	12	5.9	0	0	148	17	603	352
8/3/2009	*9:45 AM*	*2*	292	0	4	4.8	0	0	144	13	612	372
8/3/2010	*10:05 AM*	*2*	307	1	4	4.2	0	0	142	17	584	320
8/3/2010	*10:10 AM*	*2*	308	1	4	4.4	0	0	142	17	587	335
9/28/2011	*2:35 PM*	*2*	272	1	4	3.9	0	0	146	18	589	339

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*3:07 PM*								0
10/4/2005	*4:45 PM*								
9/5/2006	*3:50 PM*								
8/29/2007	*2:13 PM*								
8/3/2009	*9:45 AM*	0	0						
8/3/2010	*10:05 AM*	0	0						
8/3/2010	*10:10 AM*	0	0						
9/28/2011	*2:35 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*3:05 PM*	9.38	10	614	307
10/4/2005	*4:47 PM*	9.05	10.4	632	317
9/5/2006	*3:57 PM*	9.15	11.3	603	300
8/29/2007	*2:13 PM*	9.31	11.1	623	367
8/3/2009	*9:44 AM*	8.96	11.1	601	301
8/3/2010	*10:04 AM*	9.31	11.7	574	287
9/28/2011	*2:32 PM*	9.11	11.7	626	313

Water Level Data

	Water Level	*
10/4/2005	0.00	3
8/29/2007	0.00	3
8/3/2009		3
8/3/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI092 8/31/2011 *Field Data (2011 only)*

Arrival Time: *11:36 AM*

Well Name	Well Ownership Info.
Scott Well #1	*John & Amy Scott*

Well Locked ☐

Is Well Covered? *PVC cap*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*31*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:17 PM	*9.51*	*447*	*225*	*12.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727627	*601072*	*6970*	*16.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:17 PM	*12:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *243 AMI092 DA11*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *140*

Sample Depth Actual (ft): *100*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): *77*

Weather Notes: *partly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/10/2008	*11:15 AM*	*1*	205	1	8	3	0	0	129	49	533	305
9/17/2009	*3:30 PM*	*1*	214	1	8	2.9	0	0	118	45	519	317
9/21/2010	*11:50 AM*	*1*	231	0	8	3	0	0	126	34	530	318
8/31/2011	*12:15 PM*	*1*	202	1	8	2.7	0	0	121	41	510	297

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/10/2008	*11:15 AM*	0	0						
9/17/2009	*3:30 PM*	0	0						
9/21/2010	*11:50 AM*	0	0						
8/31/2011	*12:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/10/2008	*11:00 AM*	8.94	9.4	577	375
9/17/2009	*3:40 PM*	9.34	16	496	248
9/21/2010	*11:56 AM*	9.54	13.7	568	284
8/31/2011	*12:17 PM*	9.51	12.6	447	225

Water Level Data

	Water Level	*
11/10/2008	31.22	6
9/17/2009	30.12	1
9/21/2010	30.39	6
8/31/2011	31.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI111 9/27/2011 *Field Data (2011 only)*

Arrival Time: *11:03 AM*

Well Name	Well Ownership Info.
Stewart Point 15-17	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*223.1*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:47 AM	*9.48*	*415*	*209*	*12.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741853	*590908*	*7285*	*16.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:47 AM	*11:50 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
270 AMI111 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *781*

Sample Depth Actual (ft): *781*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 67

Weather Notes:
mostly clear, slight breeze

SCCD Personnel Present

Delsa Allen	*Eric Peterson*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/21/2004	*2:00 PM*	*1*	195	1	2	1.3	0	0	93.7	1	440	242
9/14/2005	*10:45 AM*	*1*	203	0.7	10	1.2	0	0	91.8	2	398	223
8/24/2006	*12:40 PM*	*2*	198	0.9	2	1	0	0	96.8	5	430	198
8/9/2007	*2:15 PM*	*2*	213	1	2	1.4	0	0	98.9	8	407	230
9/18/2008	*9:10 AM*	*2*	220	0	1	1.6	0	0	108	14	420	272
8/24/2009	*12:10 PM*	*2*	203	0	2	1	0	0	81	3	372	238
8/19/2010	*1:30 PM*	*2*	216	1	2	1.1	0	0	94	2	388	223
8/19/2010	*1:35 PM*	*2*	217	0	2	1.1	0	0	94	2	378	225
9/27/2011	*11:50 AM*	*1*	188	0	2	1.1	0	0	94	3	385	240

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/21/2004	*2:00 PM*								0
9/14/2005	*10:45 AM*								
8/24/2006	*12:40 PM*								
8/9/2007	*2:15 PM*								
9/18/2008	*9:10 AM*	0	0						
8/24/2009	*12:10 PM*	0	0						
8/19/2010	*1:30 PM*	0	0						
8/19/2010	*1:35 PM*	0	0						
9/27/2011	*11:50 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/21/2004	*2:30 PM*	9.50	8.3	369	185
9/14/2005	*10:45 AM*	9.56	13.1	438	215
8/24/2006	*12:43 PM*	9.95	13.5	509	256
8/9/2007	*2:10 PM*	9.55	13.7	432	241
9/18/2008	*9:10 AM*	8.68	12.1	516	323
8/24/2009	*12:13 PM*	9.12	12.4	348	174
8/19/2010	*1:29 PM*		12.7		
9/27/2011	*11:47 AM*	9.48	12.8	415	209

Water Level Data

	Water Level	*
10/21/2004	226.88	6
9/14/2005	221.06	6
8/24/2006	227.60	5
9/18/2008		3
8/24/2009		3
8/19/2010		3
9/27/2011	223.10	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI112 6/23/2011 *Field Data (2011 only)*

Arrival Time: *9:51 AM*

Well Name	Well Ownership Info.
Mesa 3-17	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:54 AM	*8.96*	*658*	*329*	*10.8*
9:57 AM	*8.96*	*635*	*317*	*14.9*
10:00 AM	*9.07*	*641*	*321*	*14.8*
10:03 AM	*9.08*	*636*	*319*	*14.7*
10:06 AM	*9.19*	*636*	*318*	*14.6*
10:09 AM	*9.2*	*630*	*315*	*14.6*
10:12 AM	*9.21*	*621*	*311*	*14.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733916	*593230*	*7497*	*19.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:14 AM	*10:10 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

DRO bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

Rest of bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *174AMI112DA11Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 54

Weather Notes: *Overcast, slight breeze, had just rained a little*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Hose attached to well that samples were collected from is approximately 100 feet long. Joe with Warco Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/20/2008	*11:30 AM*	*2*	218	1.6	5	1.6	0	0	159	80	622	390
5/20/2008	*11:35 AM*	*2*	223	1.6	5	1.7	0	0	159	77	616	359
5/26/2009	*10:50 AM*	*2*	233	1	4	1.8	0	0	134	47		314
5/26/2009	*10:55 AM*	*2*	232	1	4	1.8	0	0	134	48	587	348
6/14/2010	*11:15 AM*	*2*	226	1	7	1.6	0	0	123	37	517	282
6/23/2011	*10:10 AM*	*2*	243	1	5	1.8	0	0	144	61	589	360

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/20/2008	*11:30 AM*	0	0						
5/20/2008	*11:35 AM*	0	0						
5/26/2009	*10:50 AM*	0	0						
5/26/2009	*10:55 AM*	0	0						
6/14/2010	*11:15 AM*	0	0						
6/23/2011	*10:10 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/20/2008	*11:16 AM*	9.18	15.4	646	324
9/18/2008	*12:21 PM*	9.24	15	523	329
5/26/2009	*10:55 AM*	9.02	14.5	539	268
6/14/2010	*11:12 AM*	9.33	14.3	504	252
6/23/2011	*10:12 AM*	9.21	14.5	621	311

Water Level Data

	Water Level	*
5/20/2008		3
9/18/2008		3
5/26/2009		3
6/14/2010		3
6/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI113 9/27/2011 *Field Data (2011 only)*

Arrival Time: *9:05 AM*

Well Name	Well Ownership Info.
Stewart Point 11-21	*QEP*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*157.7*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:15 AM	*9.07*	*513*	*257*	*10.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740819	*592180*	*7212*	*13.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:15 AM	*10:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
270 AMI113 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *755*

Sample Depth Actual (ft): *765*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes:
mostly clear, calm

SCCD Personnel Present

Delsa Allen	*Eric Peterson*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/8/2004	*3:30 PM*	*1*	172	16.5	2	0.2	2.1	1.4	59	11	337	209
8/25/2005	*9:30 AM*	*2*	241	1.5	1	2	0	0	112	20	525	310
8/24/2006	*11:30 AM*	*2*	242	1.5	2	1.6	0	0	126	21	543	276
8/9/2007	*3:00 PM*	*2*	257	1.5	3	2.2	0	0	127	21	513	310
9/18/2008	*9:55 AM*	*2*	223	1	2	1.7	0	0	120	20	443	284
8/24/2009	*10:30 AM*	*2*	257	1	2	2	0	0	119	19	504	306
8/24/2009	*10:35 AM*	*2*	260	1	2	2	0	0	122	19	503	300
8/19/2010	*3:30 PM*	*2*	245	1	3	2	0	0	113	12	459	285
9/27/2011	*10:00 AM*	*1*	213	2	4	2	0	0	119	14	462	281

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/8/2004	*3:30 PM*								0
8/25/2005	*9:30 AM*								
8/24/2006	*11:30 AM*								
8/9/2007	*3:00 PM*								
9/18/2008	*9:55 AM*	0	0						
8/24/2009	*10:30 AM*	0	0						
8/24/2009	*10:35 AM*	0	0						
8/19/2010	*3:30 PM*	0	0						
9/27/2011	*10:00 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/8/2004	*3:37 PM*	9.28	9.4	630	315
8/25/2005	*9:31 AM*	9.09	14.4	533	268
8/24/2006	*11:36 AM*	9.26	14.1	650	321
8/9/2007	*3:01 PM*	9.14	15	530	293
9/18/2008	*9:58 AM*	9.02	14	539	339
8/24/2009	*10:46 AM*	8.82	14.1	451	225
8/19/2010	*3:28 PM*		15.2		
9/27/2011	*10:15 AM*	9.07	10.2	513	257

Water Level Data

	Water Level	*
11/8/2004	156.20	6
8/25/2005	156.05	5
8/24/2006	156.10	5
9/18/2008		3
8/24/2009		3
8/19/2010		3
9/27/2011	157.70	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI114 9/8/2011 *Field Data (2011 only)*

Arrival Time: *12:13 PM*

Well Name	Well Ownership Info.
Mesa 6-16 (also known as Mesa Unit #2)	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:15 PM	*9.4*	*545*	*272*	*15.2*
12:18 PM	*9.46*	*540*	*270*	*15.2*
12:21 PM	*9.42*	*539*	*270*	*15.2*
12:24 PM	*9.42*	*535*	*286*	*15.2*
12:27 PM	*9.41*	*537*	*268*	*15.3*
12:30 PM	*9.38*	*538*	*269*	*15.2*
12:33 PM	*9.36*	*539*	*269*	*15.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733537	*594846*	*7507*	*13.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:36 PM	*12:35 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI114 DA11 Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/28/2006	*11:15 AM*	*2*	186	1.4	9	1.4	0	0.7	144	114	667	350
8/9/2007	*9:55 AM*	*2*	207	1.3	10	1.7	0	0	140	78	595	320
9/22/2008	*1:25 PM*	*2*	193	1	18	1.5	0	0	144	92	604	361
8/26/2010	*10:25 AM*	*1*	189	1	22	1.5	0	0	147	132	709	430
9/8/2011	*12:35 PM*	*2*	197	1	12	1.4	0	0	133	50	536	320

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/28/2006	*11:15 AM*								
8/9/2007	*9:55 AM*								
9/22/2008	*1:25 PM*	0	0						
8/26/2010	*10:25 AM*	0	0						
9/8/2011	*12:35 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/28/2006	*11:22 AM*	9.42	14.6	679	334
8/9/2007	*9:56 AM*	9.29	13.4	607	333
9/22/2008	*1:26 PM*	9.18	13.5	677	426
8/26/2010	*10:22 AM*	9.59	14.9	717	359
9/8/2011	*12:33 PM*	9.36	15.3	539	269

Water Level Data

	Water Level	*
9/22/2008		3
8/26/2010	496.65	6
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI115 10/4/2011 *Field Data (2011 only)*

Arrival Time: *12:21 PM*

Well Name	Well Ownership Info.
Mesa 12-16	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*499.3*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:58 PM	*9.53*	*680*	*342*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733279	*594336*	*7474*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:58 PM	*1:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *277 AMI115 DA11 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *720*

Sample Depth Actual (ft): *720*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 45

Weather Notes: *overcast, windy*

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

Bailing depth based on near-by wells.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*2:50 PM*	*2*	163	1.5	11	1.3	0	0	150	145	789	409
8/24/2005	*12:30 PM*	*2*	196	0.9	6	1.4	0	0	116	61	562	334
8/24/2006	*5:30 PM*	*2*	194	1.2	7	1.1	0	0	134	79	604	312
8/9/2007	*11:10 AM*	*2*	180	1.5	10	1.4	0	0	157	143	694	410
9/22/2008	*11:20 AM*	*2*	176	1	10	1.4	0	0	150	143	667	412
8/24/2009	*4:55 PM*	*2*	187	1	10	1.3	0	0	142	111	635	388
8/18/2010	*3:25 PM*	*2*	188	1	10	1.2	0	0	150	139	680	373
10/4/2011	*1:00 PM*	*1*	189	1	13	1.6	0	0	153	106	656	400

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*2:50 PM*								0
8/24/2005	*12:30 PM*								
8/24/2006	*5:30 PM*								
8/9/2007	*11:10 AM*								
9/22/2008	*11:20 AM*	0	0						
8/24/2009	*4:55 PM*	0	0						
8/18/2010	*3:25 PM*	0	0						
10/4/2011	*1:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*2:47 PM*	9.22	12.8	713	357
5/18/2005	*12:37 PM*	9.45	13.9	672	336
8/24/2005	*12:16 PM*	9.37	14.4	581	288
8/24/2006	*5:33 PM*	9.59	14.4	711	361
8/9/2007	*11:09 AM*	9.31	13.6	712	398
9/22/2008	*11:24 AM*	9.00	12.9	742	468
8/24/2009	*4:54 PM*	9.02	13.1	565	282
8/18/2010	*3:23 PM*	9.45	13.4	722	361
10/4/2011	*12:58 PM*	9.53	12.1	680	342

Water Level Data

	Water Level	*
5/18/2005	507.36	5
8/24/2005	510.52	5
9/22/2008		3
8/24/2009		3
8/18/2010		3
10/4/2011	499.30	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI116 9/8/2011 *Field Data (2011 only)*

Arrival Time: *2:21 PM*

Well Name	Well Ownership Info.
Mesa 14-16	*QEP*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:22 PM	*9.46*	*515*	*257*	*12.2*
2:25 PM	*9.39*	*701*	*350*	*12.8*
2:28 PM	*9.41*	*684*	*342*	*12.9*
2:31 PM	*9.35*	*679*	*340*	*13.1*
2:34 PM	*9.35*	*682*	*341*	*13.2*
2:37 PM	*9.35*	*678*	*339*	*13.3*
2:40 PM	*9.34*	*673*	*336*	*13.4*
2:43 PM	*9.35*	*666*	*333*	*13.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732835	*594866*	*7496*	*17*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:44 PM	*2:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

14) Hose attached to industrial pump

DRO bottles filled from:

14) Hose attached to industrial pump

Rest of bottles filled from:

14) Hose attached to industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

251 AMI116 DA11 Q

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes:

mostly cloudy, calm

SCCD Personnel Present

Delsa Allen	Sharon Harrell

Overall Field / Sample Notes

Richard w/Warco Pumps also present. Three - 1 liter glass bottles filled.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*3:20 PM*	*2*	172	1.5	10	1.2	0	0	153	147	802	417
8/24/2005	*11:45 AM*	*2*	177	1.7	11	1.1	0	0	140	137	713	414
8/24/2005	*12:00 PM*	*2*	176	1.4	11	1.2	0	0	132	120	711	415
8/24/2006	*4:25 PM*	*2*	209	1	6	1.3	0	0	119	27	527	258
8/9/2007	*10:25 AM*	*2*	194	1.4	12	1.6	0	0.5	154	111	651	356
9/18/2008	*1:55 PM*	*2*	186	1	13	1.4	0	0	142	106	617	372
9/18/2008	*2:00 PM*	*2*	185	1	13	1.4	0	0	141	106	615	384
8/25/2009	*10:15 AM*	*2*	191	1	11	1.3	0	0	144	120	660	396
8/19/2010	*9:35 AM*	*2*	189	2	12	1.1	0	0	159	157	710	428
9/8/2011	*2:40 PM*	*2*	174	1	12	1.2	0	0	159	125	663	399

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*3:20 PM*								0
8/24/2005	*11:45 AM*								
8/24/2005	*12:00 PM*								
8/24/2006	*4:25 PM*								
8/9/2007	*10:25 AM*								
9/18/2008	*1:55 PM*	0	0						
9/18/2008	*2:00 PM*	0	0						
8/25/2009	*10:15 AM*	0	0						
8/19/2010	*9:35 AM*	0	0						
9/8/2011	*2:40 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*3:21 PM*	9.51	12.3	728	365
8/24/2005	*11:44 AM*	9.27	13.5	733	366
8/24/2006	*4:21 PM*	9.22	15.5	617	312
8/9/2007	*10:21 AM*	9.32	13.7	665	365
9/18/2008	*1:58 PM*	9.30	14.4	607	382
8/25/2009	*10:18 AM*	8.97	12.7	595	297
8/19/2010	*9:32 AM*		12.9		
9/8/2011	*2:43 PM*	9.35	13.4	666	333

Water Level Data

	Water Level	*
8/24/2005	504.40	5
8/9/2007		3
9/18/2008		3
8/25/2009		3
8/19/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI117 9/13/2011 *Field Data (2011 only)*

Arrival Time: *12:22 PM*

Well Name	Well Ownership Info.
Mesa 9-16	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*481.9*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:35 PM	*9.38*	*900*	*452*	*14.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733014	*595595*	*7472*	*13.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:35 PM	*1:10 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
256 AMI117 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *745*

Sample Depth Actual (ft): *650*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes:
Partly cloudy, slight breeze

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
Bailers would not drop down past 650 feet into well casing.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/28/2004	*1:10 PM*	*1*	165	1.8	14	1.1	0	1.2	165	169	859	448
9/19/2005	*11:15 AM*	*1*	162	1.2	10	0.8	0	0	158	158	765	405
8/29/2006	*2:00 PM*	*1*	168	1.7	12	1	0	0.7	167	187	801	426
8/6/2007	*12:00 PM*	*1*	212	1.2	12	0.9	0	1.1	166	132	731	430
9/15/2008	*1:15 PM*	*1*	177	1	11	0.08	0	0	167	163	737	446
9/1/2009	*3:15 PM*	*1*	184	1	10	0.9	0	0	162	160	736	460
8/26/2010	*11:25 AM*	*1*	186	1	12	1	0	0	162	176	756	453
9/13/2011	*1:10 PM*	*1*	164	1	12	0.9	0	0	159	172	747	429

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/28/2004	*1:10 PM*								0
9/19/2005	*11:15 AM*								
8/29/2006	*2:00 PM*								
8/6/2007	*12:00 PM*								
9/15/2008	*1:15 PM*	0	0						
9/1/2009	*3:15 PM*	0	0						
8/26/2010	*11:25 AM*	0	0						
9/13/2011	*1:10 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/28/2004	*1:10 PM*	9.23	9.6	851	426
9/19/2005	*11:15 AM*	9.86	11.7	784	393
8/29/2006	*1:59 PM*	9.42	13.1	817	412
8/6/2007	*12:02 PM*	9.54	14	746	412
9/15/2008	*1:25 PM*	8.96	14.6	816	513
9/1/2009	*3:30 PM*	9.50	15	683	341
8/26/2010	*11:40 AM*	9.45	16.1	781	390
9/13/2011	*1:35 PM*	9.38	14.9	900	452

Water Level Data

	Water Level	*
9/19/2005	493.31	6
8/29/2006	488.25	6
8/6/2007	480.68	6
9/12/2008		3
9/15/2008	488.71	6
9/1/2009	484.80	6
8/26/2010	483.72	6
9/13/2011	481.90	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI118 9/13/2011 *Field Data (2011 only)*

Arrival Time: *2:18 PM*

Well Name	Well Ownership Info.
Mesa 10-16	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Solinst Water Level Meter (1000 feet)	*490.7*

Pump Activity Upon Arrival?

Water Level Notes:

Water level was also measured using the Sonic, set to 41 deg and normal depth: 486.0

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733057	*595241*	*7466*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:15 PM	*3:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

10) Bailer, then a new plastic cup

DRO bottles filled from:

09) Bailer

Rest of bottles filled from:

09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

256 AMI118 DA11 Q

Sampling Method:

Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *723*

Sample Depth Actual (ft): *510*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:

SCCD Personnel Present

Delsa Allen	Sharon Harrell

Overall Field / Sample Notes

Bailers would not go down past 510 feet into well. Bailers came up partly full, did not have enough water to test field parameters.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/27/2004	*1:10 PM*	*1*	207	1.5	15	2.3	0	3.9	127	51	661	325
9/14/2005	*2:00 PM*	*1*	211	1.2	9	1	0	1.4	148	100	697	408
8/28/2006	*3:45 PM*	*1*	222	1.5	13	2.3	0	3.9	125	26	584	280
8/7/2007	*12:20 PM*	*1*	221	1.7	9	1.1	0	1.4	159	113	692	432
9/12/2008	*3:00 PM*	*1*	205	1	8	1	0	1	147	111	667	412
9/1/2009	*2:30 PM*	*1*	209	1	6	0.7	0	0	154	136	694	439
8/25/2010	*4:15 PM*	*1*	214	2	7	0.6	0	2	132	133	698	420
9/13/2011	*3:15 PM*	*1*	233	1	12	1.9	0	4	118	17	523	273

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/27/2004	*1:10 PM*								0
9/14/2005	*2:00 PM*								
8/28/2006	*3:45 PM*								
8/7/2007	*12:20 PM*								
9/12/2008	*3:00 PM*	0	0						
9/1/2009	*2:30 PM*	0	0						
8/25/2010	*4:15 PM*	0	0						
9/13/2011	*3:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/27/2004	*1:50 PM*	9.69	9.7	660	331
9/14/2005	*2:02 PM*	9.37	12.9	720	360
8/28/2006	*3:30 PM*	9.52	14.5	606	304
8/7/2007	*12:20 PM*	9.09	13.2	716	392
9/12/2008	*3:45 PM*	9.09	13.6	730	456
9/1/2009	*2:25 PM*	9.34	13.7	553	277
8/25/2010	*4:15 PM*	9.31	15.9	695	348

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
10/27/2004	495.00	6
9/14/2005	500.42	6
8/28/2006	493.28	6
8/7/2007	486.74	6
9/12/2008	495.98	6
9/1/2009	489.70	6
8/25/2010	488.28	6
9/13/2011	490.70	6

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI119 9/8/2011 *Field Data (2011 only)*

Arrival Time: *3:31 PM*

Well Name	Well Ownership Info.
Mesa 15-16	*QEP*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*493.7*

Pump Activity Upon Arrival?

no

Water Level Notes:

same water level reading was measured using the "deep" setting

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:36 PM	*9.42*	*510*	*255*	*10.7*
3:39 PM	*9.57*	*490*	*245*	*13.1*
3:42 PM	*9.54*	*491*	*245*	*13.3*
3:45 PM	*9.54*	*492*	*247*	*13.5*
3:48 PM	*9.54*	*491*	*246*	*13.6*
3:51 PM	*9.49*	*488*	*245*	*13.7*
3:54 PM	*9.49*	*489*	*244*	*13.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732632	*595192*	*7481*	*15.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:56 PM	*3:55 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

08) Pipe coming directly from well

DRO bottles filled from:

08) Pipe coming directly from well

Rest of bottles filled from:

08) Pipe coming directly from well

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

251 AMI119 DA11 Q

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes:

mostly cloudy, slight breeze

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*3:55 PM*	*2*	225	0.8	2	2	0	0	112	9	531	281
8/24/2005	*11:10 AM*	*2*	209	0.8	11	1.9	0	0	104	22	518	300
8/24/2006	*3:50 PM*	*2*	202	1	17	1.6	0	0	123	33	557	286
8/17/2007	*10:05 AM*	*2*	216	0.7	16	2.4	0	0	120	20	495	282
9/22/2008	*11:50 AM*	*2*	206	0	17	2	0	0	124	24	509	301
8/25/2009	*11:25 AM*	*2*	217	0	16	2	0	0	113	20	490	283
8/25/2009	*11:30 AM*	*2*	217	0	16	2	0	0	113	19	490	286
8/18/2010	*4:45 PM*	*2*	244	0	6	1.7	0	0	109	8	463	257
9/8/2011	*3:55 PM*	*2*	197	0	17	2	0	0	122	15	486	277

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*3:55 PM*								0
8/24/2005	*11:10 AM*								
8/24/2006	*3:50 PM*								
8/17/2007	*10:05 AM*								
9/22/2008	*11:50 AM*	0	0						
8/25/2009	*11:25 AM*	0	0						
8/25/2009	*11:30 AM*	0	0						
8/18/2010	*4:45 PM*	0	0						
9/8/2011	*3:55 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*3:56 PM*	9.57	13.3	480	240
8/24/2005	*11:01 AM*	9.39	14.8	536	265
8/24/2006	*3:49 PM*	9.59	14.2	664	334
8/17/2007	*10:00 AM*	9.27	14.8	517	300
9/22/2008	*11:54 AM*	9.12	13	569	358
8/25/2009	*11:26 AM*	9.21	13.4	452	226
8/18/2010	*4:27 PM*		14.9		
9/8/2011	*3:54 PM*	9.49	13.8	489	244

Water Level Data

	Water Level	*
8/24/2005	508.80	5
9/22/2008		3
8/25/2009		3
8/18/2010		3
9/8/2011	493.70	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI120 9/8/2011 *Field Data (2011 only)*

Arrival Time: *2:57 PM*

Well Name	Well Ownership Info.
Mesa 16-16	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *yes, 3 to 4 hours, but was shut off for a few minutes prior to our arrival*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:59 PM	9.38	656	329	13.4
3:02 PM	9.44	658	329	13.2
3:05 PM	9.41	648	324	13.1
3:08 PM	9.42	642	321	13.1
3:11 PM	9.39	640	320	13.1
3:14 PM	9.39	634	318	13.1
3:17 PM	9.4	631	316	13.1
3:20 PM	9.4	628	314	13.2

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732768	595623	7461	14.4

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:21 PM	*3:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI120 DA11 Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/14/2004	*9:20 AM*	*2*	182	1.5	8	0.6	0	0.5	160	157	830	433
10/14/2004	*9:25 AM*	*2*	180	1.5	8	0.6	0	0.6	160	155	830	465
10/29/2004	*1:30 PM*	*2*	184	53.1	12	1	11.2	1.8	36.3	66	698	424
8/24/2005	*10:20 AM*	*2*	181	1.2	8	0.8	0	0	141	141	735	440
8/24/2006	*3:20 PM*	*2*	180	1.5	8	0.5	0	0	167	160	768	400
8/17/2007	*10:45 AM*	*2*	197	1.3	7	0.6	0	0	162	148	740	432
8/17/2007	*10:50 AM*	*2*	193	1.5	7	0.6	0	0	177	160	736	440
9/18/2008	*2:25 PM*	*2*	186	1	10	0.8	0	0	155	139	681	418
8/25/2009	*12:10 PM*	*2*	198	1	8	0.8	0	0	152	131	680	415
8/18/2010	*4:05 PM*	*2*	202	1	10	0.8	0	0	155	133	696	418
9/8/2011	*3:20 PM*	*2*	191	1	10	1.1	0	0	153	100	625	369

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/14/2004	*9:20 AM*								0
10/14/2004	*9:25 AM*								0
10/29/2004	*1:30 PM*								0
8/24/2005	*10:20 AM*								0
8/24/2006	*3:20 PM*								0
8/17/2007	*10:45 AM*								0
8/17/2007	*10:50 AM*								0
9/18/2008	*2:25 PM*	0	0						
8/25/2009	*12:10 PM*	0	0						
8/18/2010	*4:05 PM*	0	0						
9/8/2011	*3:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/14/2004	*9:19 AM*	9.29	10.8	735	368
10/29/2004	*1:28 PM*	9.21	11.2	684	342
8/24/2005	*10:22 AM*	9.24	13	754	374
8/24/2006	*3:25 PM*	9.62	13.5	885	447
8/17/2007	*10:45 AM*	9.22	12.1	770	446
9/18/2008	*2:27 PM*	9.26	13.4	679	427
8/25/2009	*12:08 PM*	8.97	11.8	652	324
8/18/2010	*4:03 PM*		12.7	741	370
9/8/2011	*3:20 PM*	9.40	13.2	628	314

Water Level Data

	Water Level	*
8/24/2005	493.93	5
9/18/2008		3
8/25/2009		3
8/18/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI121 9/8/2011 *Field Data (2011 only)*

Arrival Time: *4:11 PM*

Well Name	Well Ownership Info.
Mesa 7-21	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
4:12 PM	*9.04*	*577*	*289*	*11.6*
4:15 PM	*9.42*	*651*	*325*	*13.4*
4:18 PM	*9.38*	*658*	*329*	*13.7*
4:21 PM	*9.36*	*662*	*331*	*13.9*
4:24 PM	*9.36*	*659*	*329*	*14.1*
4:27 PM	*9.35*	*655*	*327*	*14.2*
4:30 PM	*9.33*	*654*	*327*	*14.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731870	*595263*	*7444*	*17.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:31 PM	*4:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI121 DA11 Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/18/2005	*1:15 PM*	*2*	234	1	5	2.1	0	0	119	14	508	304
8/24/2005	*9:30 AM*	*2*	221	0.9	6	1.9	0	0	108	20	505	294
8/24/2006	*2:50 PM*	*2*	190	1.3	13	1.4	0	0	138	81	638	326
8/9/2007	*10:50 AM*	*2*	235	1.2	7	2.1	0	0	127	24	509	272
9/22/2008	*1:55 PM*	*2*	192	1	14	1.7	0	0	142	93	614	371
8/25/2009	*10:50 AM*	*2*	203	0	13	1.7	0	0	132	73	580	350
8/19/2010	*10:25 AM*	*2*	255	1	3	1.9	0	0	120	16	485	295
9/8/2011	*4:30 PM*	*2*	179	2	12	1.3	0	0	150	114	650	400

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/18/2005	*1:15 PM*								0
8/24/2005	*9:30 AM*								
8/24/2006	*2:50 PM*								
8/9/2007	*10:50 AM*								
9/22/2008	*1:55 PM*	0	0						
8/25/2009	*10:50 AM*	0	0						
8/19/2010	*10:25 AM*	0	0						
9/8/2011	*4:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2005	*1:08 PM*	9.43	14.7	489	246
8/24/2005	*9:36 AM*	9.37	15	514	257
8/24/2006	*2:49 PM*	9.61	14.7	762	376
8/9/2007	*10:44 AM*	9.28	14.8	524	293
9/22/2008	*1:59 PM*	9.12	13.5	686	432
8/25/2009	*10:52 AM*	9.23	13.9	529	265
8/19/2010	*10:20 AM*		15.1		
9/8/2011	*4:30 PM*	9.33	14.3	654	327

Water Level Data

	Water Level	*
5/18/2005		5
8/24/2005	500.46	5
9/22/2008		3
8/25/2009		3
8/19/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI124 9/28/2011 *Field Data (2011 only)*

Arrival Time: *10:41 AM*

Well Name	Well Ownership Info.
Riverside 8-3	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
76	*150*	*11:08 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:46 AM	*9.37*	*570*	*285*	*11.8*
10:49 AM	*9.43*	*544*	*273*	*12.1*
10:52 AM	*9.44*	*544*	*272*	*12*
10:55 AM	*9.39*	*541*	*270*	*12.7*
10:58 AM	*9.35*	*542*	*272*	*12.1*
11:01 AM	*9.36*	*543*	*272*	*12*
11:04 AM	*9.34*	*545*	*272*	*12*
11:07 AM	*9.31*	*543*	*272*	*12*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726902	*597338*	*7018*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:08 AM	*11:05 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI124 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 68

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Three, 1 liter glass bottles filled. Bottle labels were filled out at the end of the day - sample set was kept all together in a large bag which was labeled with sample ID, date and time in the field. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*1:30 PM*	*2*	251	0.9	2	2.2	0	0.9	123	16	527	343
10/6/2005	*1:05 PM*	*2*	253	0.7	2	2.1	0	0	116	15	529	294
9/5/2006	*2:09 PM*	*2*	244	0.9	5	1.5	0	0.6	128	23	560	310
10/12/2007	*10:00 AM*	*2*	254	0.6	2	1.8	0	0	126	17	534	286
8/28/2008	*11:25 AM*	*2*	242	0	1	1.9	0	0	131	21	493	279
8/3/2009	*10:20 AM*	*2*	250	0	2	1.9	0	0	122	13	533	315
8/3/2010	*9:20 AM*	*2*	261	0	2	1.9	0	0	122	16	504	279
9/28/2011	*11:05 AM*	*2*	244	0	2	1.7	0	0	128	17	508	289

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*1:30 PM*								0
10/6/2005	*1:05 PM*								
9/5/2006	*2:09 PM*								
10/12/2007	*10:00 AM*								
8/28/2008	*11:25 AM*	0	0						
8/3/2009	*10:20 AM*	0	0						
8/3/2010	*9:20 AM*	0	0						
9/28/2011	*11:05 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*1:24 PM*	10.41	10.5	529	263
10/6/2005	*1:03 PM*	9.37	11.6	560	280
9/5/2006	*2:09 PM*	9.44	13.2	526	263
10/12/2007	*10:07 AM*	9.09	11.1	549	322
8/28/2008	*11:25 AM*	9.25	12.9	558	354
8/3/2009	*10:20 AM*	9.15	12.4	451	226
8/3/2010	*9:20 AM*	9.49	12.2	497	249
9/28/2011	*11:07 AM*	9.31	12	543	272

Water Level Data

	Water Level	*
10/6/2005	80.43	5
8/28/2008		3
8/3/2009		3
8/3/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI131 10/18/2011 *Field Data (2011 only)*

Arrival Time: *11:54 AM*

Well Name	Well Ownership Info.
Antelope 5-4	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *well was unlocked by a Newfield representative prior to our arrival*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*252.1*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:45 PM	*9.54*	*570*	*285*	*10.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4707574	*613875*	*7229*	*19.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:45 PM	*12:35 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *291 AMI131 DA11 N*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *487*

Bailing Method Used: *See Bailing Notes*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes: *a combination of nylon and polyester rope was used*

Approximate Outside Temperature (F): 42

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

Bailers would not drop into well any farther than 487 feet.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/13/2005	*2:15 PM*	*2*	149	0.8	38	11.3	0	0	110	2	503	300
5/9/2006	*12:10 PM*	*2*	155	0.7	40	1.2	0	0	107	22	490	254
4/23/2007	*10:30 AM*	*2*	156	0.8	39	14.2	0	0	107	3	516	272
6/26/2008	*12:30 PM*	*2*	156	0.8	39	12.1	0	0	118	5	501	254
6/30/2009	*11:30 AM*	*1*	165	0	41	12.8	0	0	108	3	502	274
8/24/2010	*12:55 PM*	*1*	183	1	43	12.4	0	0	113	2	518	304
10/18/2011	*12:35 PM*	*1*	157	0	39	12	0	0	107	9	529	268

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/13/2005	*2:15 PM*								0
5/9/2006	*12:10 PM*								0
4/23/2007	*10:30 AM*								
6/26/2008	*12:30 PM*	0	0						
6/30/2009	*11:30 AM*	0	0						
8/24/2010	*12:55 PM*	0	0						
10/18/2011	*12:35 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/13/2005	*2:12 PM*	9.66	11.4	504	252
5/9/2006	*12:11 PM*	9.24	9.7	562	282
4/23/2007	*10:39 AM*	9.84	11.2	518	260
6/26/2008	*12:09 PM*	7.26	12.7	548	323
6/30/2009	*11:28 AM*	9.73	15.5	483	241
8/24/2010	*1:17 PM*	9.93	14.2	596	298
10/18/2011	*12:45 PM*	9.54	10.9	570	285

Water Level Data

	Water Level	*
6/13/2005	248.80	5
5/9/2006	251.57	6
4/23/2007	253.50	5
6/26/2008		3
6/30/2009	256.16	6
8/24/2010	255.28	6
10/18/2011	252.10	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI132 9/21/2011 *Field Data (2011 only)*

Arrival Time: *3:00 PM*

Well Name	Well Ownership Info.
Riverside 15-12	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
617	*669*	*3:29 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:07 PM	*9.26*	*546*	*273*	*10.5*
3:10 PM	*9.39*	*528*	*265*	*10.3*
3:13 PM	*9.32*	*528*	*265*	*10.1*
3:16 PM	*9.34*	*528*	*529*	*10.1*
3:19 PM	*9.37*	*529*	*264*	*10.1*
3:22 PM	*9.34*	*530*	*264*	*10*
3:25 PM	*9.24*	*530*	*265*	*10.1*
3:28 PM	*9.26*	*529*	*265*	*10.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724469	*600091*	*6959*	*15.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:29 PM	*3:25 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI132 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/9/2004	*12:45 PM*	*1*	242	1.3	13	5.7	0	0	125	0	550	366
8/19/2005	*2:15 PM*	*1*	257	0.8	13	5.4	0	0	119	3	558	316
9/13/2006	*4:40 PM*	*1*	240	1	17	6.3	0	0	126	1	596	308
8/1/2007	*1:45 PM*	*1*	260	0.9	13	6.5	0	0	137	2	557	274
7/2/2008	*12:45 PM*	*1*	256	2.1	10	6	0	0	139	7	567	317
7/2/2008	*12:50 PM*	*1*	255	2.8	11	6.1	0	0.6	137	7	565	307
7/23/2008	*11:00 AM*	*1*	267	3.8	103	5.8	0	1.6	219	29	925	478
7/23/2008	*11:30 AM*	*1*	269	5.9	82	5.7	0.5	1.6	210	25	873	486
9/26/2008	*4:30 PM*	*1*	250	1	5	5.4	0	0	137	10	534	362
10/23/2008	*3:10 PM*	*1*	260	1	5	5.8	0	0	138	6	542	326
5/21/2009	*11:15 AM*	*2*	257	0	5	5.3	0	0	126	3	527	314
11/12/2009	*1:50 PM*	*2*	271	0	5	5.2	0	0	125	4	519	283
7/22/2010	*5:00 PM*	*2*	271	0	5	5.2	0	0	126	3	520	321
9/21/2011	*3:25 PM*	*2*	254	0	5	5.3	0	0	126	4	519	286

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/9/2004	*12:45 PM*								0
8/19/2005	*2:15 PM*								
9/13/2006	*4:40 PM*								
8/1/2007	*1:45 PM*								
7/2/2008	*12:45 PM*	**8.8**	**0.346**	**0.76**	**1.8**	**8.9**	**4.4**	**100**	
7/2/2008	*12:50 PM*	**4.3**	**0.247**	**0.58**	**1.3**	**6.5**	**3.2**	**68**	
7/23/2008	*11:00 AM*	***210***	***143***	***7600***	***1600***	***17000***	**3300**	***34000***	
7/23/2008	*11:30 AM*	***380***	***241***	***6400***	***2500***	***25000***	**4900**	***34000***	
9/26/2008	*4:30 PM*	**3.1**	**0.228**	**0.56**	**1.5**	**16**	**3.7**	**46**	
10/23/2008	*3:10 PM*	**3.7**	**0.266**	0	**1.8**	**21**	**4.7**	**59**	
5/21/2009	*11:15 AM*	0	0	0	0	0	0	**9.7**	
11/12/2009	*1:50 PM*	0	0	0	0	0	0	0	
7/22/2010	*5:00 PM*	0	0	0	0	0	0	0	
9/21/2011	*3:25 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/9/2004	*12:35 PM*	9.68	6.4	540	270
8/19/2005	*2:16 PM*	9.11	12.5	607	303
9/13/2006	*4:10 PM*	9.42	13.8	594	297
8/1/2007	*1:30 PM*	9.40	13	567	312
7/2/2008	*1:40 PM*	9.23	17.5	574	339
7/23/2008	*11:30 AM*	8.98	19.4	824	487
9/26/2008	*4:55 PM*	8.83	13.7	528	332
10/23/2008	*3:15 PM*	9.37	12.1	562	359
5/21/2009	*11:22 AM*	8.86	10.3	482	240

Water Level Data

	Water Level	*
12/9/2004	27.40	5
8/19/2005	18.61	6
9/13/2006	19.42	6
8/1/2007	20.26	6
7/2/2008	22.45	6
7/23/2008		3
9/26/2008		3
10/23/2008		3
5/21/2009		3

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11/12/2009	*1:50 PM*	9.10	9.8	506	253	*11/12/2009*	3
7/22/2010	*5:01 PM*	9.18	10.7	506	253	*7/22/2010*	3
9/21/2011	*3:28 PM*	9.26	10.1	529	265	*9/21/2011*	3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI133 10/12/2011 *Field Data (2011 only)*

Arrival Time: *2:12 PM*

Well Name	Well Ownership Info.
Riverside 2-14	*Shell*

Is Well Covered? *Other*

Well Locked ☐

Well Covering Notes: *plug was in place - see photos*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes: *well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:17 PM	9.38	619	310	11.5
2:20 PM	9.8	607	305	10.2
2:23 PM	9.58	605	304	9.2
2:26 PM	9.73	602	302	8.9
2:29 PM	9.4	604	303	8.7
2:32 PM		603	302	8.7
2:35 PM	9.67	604	302	8.7

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724130	598535	6927	17.5

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:40 PM	*2:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *08) Pipe coming directly from well*

DRO bottles filled from: *08) Pipe coming directly from well*

Rest of bottles filled from: *08) Pipe coming directly from well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *285 AMI133 DA11 S*

Sampling Method: *other, non pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out later in the day - sample set was kept together in a larger plastic bag that was labeled in the field with sample ID, date and time. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/4/2004	*11:54 AM*	*1*	254	4.7	10	7.2	0.7	1	128	10	575	342
10/18/2005	*11:05 AM*	*6*	262	1	7	5.2	0	0	129	13	594	321
10/18/2005	*11:08 AM*	*6*	260	1	7	5.2	0	0	125	13	596	318
9/7/2006	*12:35 PM*	*2*	266	4.6	8	6.6	0.8	0.8	137	13	489	318
8/29/2007	*1:20 PM*	*2*	269	2	7	7.5	0	0.7	142	12	557	322
8/29/2007	*1:25 PM*	*2*	269	2	10	7.5	0	0.7	143	13	559	336
8/28/2008	*12:50 PM*	*2*	256	1	7	6.2	0	0	142	17	535	331
7/29/2009	*2:40 PM*	*2*	259	1	7	6.1	0	0	138	9	568	350
7/22/2010	*4:20 PM*	*2*	278	1	8	6	0	0	133	11	551	341
10/12/2011	*2:40 PM*	*6*	261	1	8	6.4	0	0	134	0	567	321

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/4/2004	*11:54 AM*								0
10/18/2005	*11:05 AM*								
10/18/2005	*11:08 AM*								
9/7/2006	*12:35 PM*								
8/29/2007	*1:20 PM*								
8/29/2007	*1:25 PM*								
8/28/2008	*12:50 PM*	0	0						
7/29/2009	*2:40 PM*	0	0						
7/22/2010	*4:20 PM*	0	0						
10/12/2011	*2:40 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/4/2004	*11:54 AM*	9.42	11.2	590	295
10/18/2005	*11:08 AM*	9.59	9.6	601	300
9/7/2006	*12:39 PM*	9.27	12.3	600	299
8/29/2007	*1:23 PM*	9.30	12.2	577	335
8/28/2008	*12:54 PM*	8.95	14.4	598	382
7/29/2009	*2:39 PM*	9.09	12.2	562	281
7/22/2010	*4:19 PM*	9.18	12.1	537	269
10/12/2011	*2:35 PM*	9.67	8.7	604	302

Water Level Data

	Water Level	*
11/4/2004	0.00	3
10/18/2005	0.00	3
8/28/2008		3
7/29/2009		3
7/22/2010		3
10/12/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI134 10/5/2011 *Field Data (2011 only)*

Arrival Time: *10:17 AM*

Well Name	Well Ownership Info.
Rainbow 13-32	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*359.9*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:58 AM	*9.44*	*945*	*473*	*10.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708466	*612146*	*7328*	*15.5*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:58 AM	*11:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
278 AMI134 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes:
overcast, slight breeze

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed

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AMI134 11/1/2011 *Field Data (2011 only)*

Arrival Time: *9:22 AM*

Well Name	Well Ownership Info.
Rainbow 13-32	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*359.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:10 AM	*9.74*	*994*	*498*	*5.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708466	*612147*	*7335*	*15.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:10 AM	*10:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
305 AMI134 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 32

Weather Notes:
overcast, slight breeze

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/2/2004	*2:00 PM*	*1*	115	1.7	21	2.5	0	0	188	251	888	562
10/6/2005	*9:20 AM*	*2*	122	1.6	17	2.3	0	0	185	243	878	540
9/6/2006	*12:45 PM*	*1*	112	1.8	12	2.6	0	0.7	177	272	915	516
8/29/2007	*9:30 AM*	*2*	124	1.9	9	2.9	0	0	192	276	887	538
9/19/2008	*2:45 PM*	*1*	153	1	11	3.1	0	0	180	235	872	517
8/31/2009	*12:00 PM*	*1*	170	1	9	3.1	0	0	181	206	847	518
6/15/2010	*11:30 AM*	*1*	166	2	8	2.9	0	0	193	226	858	540
7/23/2010	*3:20 PM*	*1*	202	1	8	3.4	0	0	185	191	845	506
10/5/2011	*11:00 AM*	*1*	124	2	8	2.3	0	0	202	251	872	539
11/1/2011	*10:10 AM*	*1*	129	1	9	2.5	0	0	185	246	858	522

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/2/2004	*2:00 PM*								0
10/6/2005	*9:20 AM*								
9/6/2006	*12:45 PM*								0
8/29/2007	*9:30 AM*								0
9/19/2008	*2:45 PM*	0	0						
8/31/2009	*12:00 PM*	0	**0.064**						
6/15/2010	*11:30 AM*	0	0	0	0	**4.9**	0	0	
7/23/2010	*3:20 PM*	0	0	0	0	0	0	0	
10/5/2011	*11:00 AM*	0	0	0	0	**3.9**	0	0	
11/1/2011	*10:10 AM*	0	0	0	0	**2.5**	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/2/2004	*1:33 PM*	9.31	7.7	830	412
10/6/2005	*9:07 AM*	9.64	8.8	926	462
9/6/2006	*11:55 AM*	9.68	20.7	840	417
8/29/2007	*9:30 AM*	9.62	10.9	911	530
9/19/2008	*2:40 PM*	9.06	13.1	969	610
8/31/2009	*12:17 PM*	9.74	15.3	797	398
6/15/2010	*11:20 AM*	9.43	12.6	821	410
7/23/2010	*3:25 PM*	9.55	15.7	851	425
10/5/2011	*10:58 AM*	9.44	10.2	945	473
11/1/2011	*10:10 AM*	9.74	5.6	994	498

Water Level Data

	Water Level	*
11/2/2004	361.08	6
9/6/2006	365.61	6
9/19/2008	367.85	6
8/31/2009	366.38	6
6/15/2010	365.61	6
7/23/2010		3
10/5/2011	359.90	5
11/1/2011	359.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI135 9/21/2011 *Field Data (2011 only)*

Arrival Time: *12:01 PM*

Well Name	Well Ownership Info.
Warbonnet 7-4	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *yes, unknown*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
555694	*555752*	*12:17 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:03 PM	*9.59*	*587*	*294*	*10.4*
12:06 PM	*9.59*	*564*	*283*	*10.3*
12:09 PM	*9.58*	*565*	*283*	*10.2*
12:12 PM	*9.54*	*564*	*283*	*10.2*
12:15 PM	*9.53*	*566*	*283*	*10.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717067	*604820*	*7163*	*15.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:17 PM	*12:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI135 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 58

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/2/2004	*10:40 AM*	*2*	178	1.4	39	7.2	0	0	141	65	636	376
8/30/2005	*10:25 AM*	*2*	187	1.1	38	6.3	0	0	132	43	606	344
9/22/2006	*10:00 AM*	*2*	166	2.2	37	7.4	0	0.7	166	128	747	420
7/10/2007	*1:40 PM*	*2*	192	1.1	40	9.3	0	0.6	142	50	622	340
8/28/2008	*1:50 PM*	*2*	176	0	38	8.1	0	0	135	24	540	293
5/19/2009	*1:00 PM*	*2*	185	0	39	8.1	0	0	124	23	548	348
7/22/2010	*9:00 AM*	*2*	185	0	39	8	0	0	127	23	559	332
7/22/2010	*9:05 AM*	*2*	191	0	40	7.7	0	0	124	22	557	328
9/21/2011	*12:15 PM*	*2*	171	0	42	7.8	0	0	126	19	551	310

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/2/2004	*10:40 AM*								0
8/30/2005	*10:25 AM*								
9/22/2006	*10:00 AM*								
7/10/2007	*1:40 PM*								
8/28/2008	*1:50 PM*	0	0						
5/19/2009	*1:00 PM*	0	0						
7/22/2010	*9:00 AM*	0	0						
7/22/2010	*9:05 AM*	0	0						
9/21/2011	*12:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/2/2004	*10:41 PM*	9.63	7.8	617	308
8/30/2005	*10:07 AM*	9.59	11.4	658	329
9/22/2006	*10:06 AM*	9.61	9.6	764	382
7/10/2007	*1:37 PM*	9.24	11.5	641	339
8/28/2008	*1:37 PM*	9.45	13.2	622	395
5/19/2009	*1:07 PM*	9.03	12.8	537	268
7/22/2010	*9:04 AM*	9.41	11	543	271
9/21/2011	*12:15 PM*	9.53	10.2	566	283

Water Level Data

	Water Level	*
8/30/2005	259.38	5
8/28/2008		3
5/19/2009		3
7/22/2010		3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI139 9/8/2011 *Field Data (2011 only)*

Arrival Time: *8:58 AM*

Well Name	Well Ownership Info.
Stewart Point 14-20	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
8:59 AM	*9.46*	*538*	*269*	*11.1*
9:02 AM	*9.43*	*582*	*291*	*12*
9:05 AM	*9.4*	*595*	*297*	*12.2*
9:08 AM	*9.39*	*593*	*297*	*12.3*
9:11 AM	*9.42*	*585*	*294*	*12.4*
9:14 AM	*9.41*	*581*	*291*	*12.5*
9:17 AM	*9.38*	*574*	*287*	*12.5*
9:20 AM	*9.42*	*563*	*281*	*12.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740329	*590627*	*7504*	*12.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:21 AM	*9:20 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI139 DA11*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 57

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/28/2004	*3:30 PM*	*1*	186	2	9	2.1	0	0	148	130	685	421
9/12/2005	*12:15 PM*	*1*	192	1.7	7	2	0	0	146	118	695	406
8/29/2006	*5:15 PM*	*1*	181	1.8	8	2.1	0	0.8	152	139	717	398
8/7/2007	*3:00 PM*	*1*	194	1.9	6	2.4	0	0	161	136	684	422
9/12/2008	*10:30 AM*	*1*	184	2	7	1.9	0	0	146	135	664	396
8/24/2009	*11:30 AM*	*2*	201	1	5	1.8	0	0	128	93	589	367
8/19/2010	*2:25 PM*	*2*	210	1	5	1.5	0	0	129	78	555	335
9/8/2011	*9:20 AM*	*2*	183	1	5	1.4	0	0	132	78	549	330

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/28/2004	*3:30 PM*								0
9/12/2005	*12:15 PM*								
8/29/2006	*5:15 PM*								
8/7/2007	*3:00 PM*								
9/12/2008	*10:30 AM*	0	0						
8/24/2009	*11:30 AM*	0	0						
8/19/2010	*2:25 PM*	0	0						
9/8/2011	*9:20 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/28/2004	*3:50 PM*	9.09	8.8	692	348
9/12/2005	*12:32 PM*	9.15	10.5	727	365
8/29/2006	*4:55 PM*	9.14	12.5	736	370
8/7/2007	*3:04 PM*	9.13	15.4	691	380
9/12/2008	*10:55 AM*	8.82	12.1	758	476
8/24/2009	*11:30 AM*	9.01	12.4	527	263
8/19/2010	*2:23 PM*		12.9		
9/8/2011	*9:20 AM*	9.42	12.6	563	281

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
12/28/2004	444.71	6
12/28/2004	446.10	5
9/12/2005	438.23	6
8/29/2006	439.10	5
8/7/2007	442.58	6
9/12/2008	446.10	6
8/24/2009		3
8/19/2010		3
9/8/2011		3

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *10:30 AM*

Well Name	Well Ownership Info.
North Mesa 4-7-32-109	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*510.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:00 PM	*8.99*	*581*	*291*	*10.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4735694	*590916*	*7536*	*21*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:00 PM	*11:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
284 AMI140 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *895*

Sample Depth Actual (ft): *895*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 41

Weather Notes:
overcast, a little rainy, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. One of the two bailers came up empty after trying twice. Bottles filled: 1, 1 liter plastic; 1, 1 liter glass (w/sulfuric acid preserve); 6, 40 ml glass (w/hydrochloric acid preserve). Water was very rusty, full of particles.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*4:15 PM*	*2*	156	2.7	42	1.1	0	0.9	120	59	574	357
10/7/2005	*11:25 AM*	*2*	168	2.9	44	1	0.8	0.6	124	49	567	330
9/7/2006	*10:00 AM*	*2*	162	4.3	67	0.4	1.5	0.7	122	54	699	384
9/7/2006	*3:30 PM*	*2*										
9/18/2006	*1:45 PM*	*2*	197	19.8	21	3.2	1.5	0.8	107	36	548	322
8/28/2007	*2:00 PM*	*1*	155	4.7	64	1.2	2.4	0.6	127	50	591	328
9/3/2008	*1:00 PM*	*1*	150	3	40	0.9	1	0	120	54	533	311
9/2/2009	*4:30 PM*	*1*	180	2	40	1	0	0	118	45	544	336
7/6/2010	*12:00 PM*	*1*	163	2	43	0.9	0	0	119	47	536	333
10/11/2011	*11:15 AM*	*1*	148	2	46	0.9	0	0	123	49	544	300

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*4:15 PM*								0
10/7/2005	*11:25 AM*								
9/7/2006	*10:00 AM*								**456**
9/7/2006	*3:30 PM*		***46***	***290***	***1200***	***16000***	**3000**	***4400***	
9/18/2006	*1:45 PM*		***8.42***	***21***	**240**	**2300**	**560**	**640**	0
8/28/2007	*2:00 PM*		**0.149**	**1.2**	**2.1**	**22**	**4.2**	**3.5**	0
9/3/2008	*1:00 PM*	0	0						
9/2/2009	*4:30 PM*	0	0	0	0	0	0	0	
7/6/2010	*12:00 PM*	0	0	0	0	0	0	0	
10/11/2011	*11:15 AM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*4:18 PM*	9.45	9.9	584	294
10/7/2005	*11:25 AM*	9.37	12	619	310
9/7/2006	*3:27 PM*	9.35	11.7	679	343
9/18/2006	*1:49 PM*	9.14	14.4	534	267
8/28/2007	*1:40 PM*	9.09	18.9	590	342
9/3/2008	*1:10 AM*	8.89	13	625	391
9/2/2009	*4:20 PM*	9.04	13.9	510	255
7/6/2010	*12:39 PM*	8.91	15.6	518	259
10/11/2011	*12:00 PM*	8.99	10.9	581	291

Water Level Data

	Water Level	*
8/28/2007	514.80	5
9/3/2008		6
9/2/2009	517.28	6
7/6/2010	517.45	6
10/11/2011	510.20	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI141 9/22/2011 *Field Data (2011 only)*

Arrival Time: *9:01 AM*

Well Name	Well Ownership Info.
Antelope 1-5	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*84*	*9:54 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:35 AM	*9.82*	*518*	*259*	*11.6*
9:38 AM	*9.88*	*495*	*247*	*13.1*
9:41 AM	*9.85*	*492*	*247*	*13.1*
9:44 AM	*9.82*	*493*	*246*	*13.1*
9:47 AM	*9.82*	*492*	*247*	*13.1*
9:50 AM	*9.86*	*494*	*247*	*13*
9:53 AM	*9.77*	*493*	*246*	*13.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is not accessible for gas alarm check

Location Data

Northing	Easting	Elev(ft)	Accuracy
4707975	*613315*	*7268*	*18.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:54 AM	*9:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

265 AMI141 DA11 S

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 45

Weather Notes:

clear, calm

SCCD Personnel Present

Delsa Allen	Sharon Harrell

Overall Field / Sample Notes

Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2009	*12:15 PM*	*1*	130	0	35	9.8	0	0	96	19	470	231
7/22/2010	*1:00 PM*	*2*	138	0	36	9.8	0	0	99	19	463	272
9/22/2011	*9:55 AM*	*2*	125	0	35	9.8	0	0	102	20	464	265

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2009	*12:15 PM*	0	0						
7/22/2010	*1:00 PM*	0	0						
9/22/2011	*9:55 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2009	*12:30 PM*	9.70	17.6	433	216
7/22/2010	*12:58 PM*	9.63	13.7	448	224
9/22/2011	*9:53 AM*	9.77	13.1	493	246

Water Level Data

	Water Level	*
7/13/2009	300.68	6
7/22/2010		3
9/22/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI145 9/22/2011 *Field Data (2011 only)*

Arrival Time: *2:50 PM*

Well Name	Well Ownership Info.
Warbonnet 11-10	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*80*	*3:19 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:57 PM	*9.82*	*737*	*369*	*11.9*
3:00 PM	*9.79*	*550*	*275*	*12*
3:03 PM	*9.7*	*573*	*287*	*12*
3:06 PM	*9.72*	*580*	*290*	*12*
3:09 PM	*9.59*	*582*	*292*	*12*
3:12 PM	*9.6*	*592*	*296*	*12*
3:15 PM	*9.5*	*598*	*299*	*12.1*
3:18 PM	*9.64*	*600*	*301*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715289	*606085*	*7244*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:19 PM	*3:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *265 AMI145 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 74

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present.

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Arrival Time: *9:02 AM*

Well Name	Well Ownership Info.
Warbonnet 11-10	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0		

Water Meter Notes: *see main notes regaurding ending water meter reading*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:26 AM	9.89	684	342	10.1
9:29 AM	9.81	479	239	11.2
9:32 AM	9.79	486	243	11.4
9:35 AM	9.76	501	251	11.5
9:38 AM	9.73	511	255	11.5
9:41 AM	9.71	518	258	11.6
9:52 AM	9.71	527	263	11.6
9:55 AM	9.67	528	264	11.7
9:58 AM	9.72	529	265	11.7
10:01 AM	9.7	530	266	11.8
10:04 AM	9.69	532	267	11.8
10:07 AM	9.63	535	268	11.8
10:10 AM	9.66	538	269	11.8
10:13 AM	9.59	540	270	11.8
10:16 AM	9.66	540	271	11.9
10:19 AM	9.66	545	272	11.9
10:22 AM	9.66	544	272	11.9
10:25 AM	9.67	546	272	11.9
10:28 AM	9.67	545	273	11.9

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715291	*606086*	*7234*	*14*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:45 AM	*9:45 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *293 AMI 145 DA11 S - 1 (9:45) & 293 AMI145 DA11 S - 2 (10:30)*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 38

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Two different sample sets were collected. The first after 72 barrels had been pumped (sample collection time of 9:45), and a second after a total of 219 barrels had been pumped (sample collection time of 10:30). Both samples were collected from the sample valve. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*11:10 AM*	*2*	166	1.1	97	8.2	0	0.9	142	0	671	377
10/6/2005	*11:15 AM*	*2*	164	2.2	102	8.5	0.6	0	147	0	695	364
9/29/2006	*11:05 AM*	*2*	164	0.6	73	8.3	0	0.7	131	6	611	306
8/29/2007	*10:10 AM*	*2*	176	0.8	64	8.1	0	0	130	7	600	308
8/28/2008	*3:20 PM*	*2*	169	0	83	7.2	0	0	147	1	624	320
7/29/2009	*9:20 AM*	*2*	175	0	70	7.1	0	0	134	5	620	327
7/29/2009	*9:25 AM*	*2*	170	0	70	7	0	0	137	5	622	318
7/28/2010	*12:15 PM*	*1*	202	1	43	5.8	0	0	125	0	532	314
9/22/2011	*3:20 PM*	*2*	180	0	55	6.4	0	0	126	0	568	311
10/20/2011	*9:45 AM*	*2*	171	0	53	6.3	0	0	115	1	559	308
10/20/2011	*10:30 AM*	*2*	162	0	66	6.9	0	0	119	3	586	320

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*11:10 AM*								0
10/6/2005	*11:15 AM*								0
9/29/2006	*11:05 AM*								0
8/29/2007	*10:10 AM*								0
8/28/2008	*3:20 PM*	0	0						
7/29/2009	*9:20 AM*	0	0						
7/29/2009	*9:25 AM*	0	0						
7/28/2010	*12:15 PM*	0	0						
9/22/2011	*3:20 PM*	0	**0.023**						
10/20/2011	*9:45 AM*	0	0	0	0	0	0	**6.7**	
10/20/2011	*10:30 AM*	0	0	0	0	0	0	**4.5**	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*11:04 AM*	9.71	10.8	670	336
10/6/2005	*11:11 AM*	9.68	12	736	368
9/29/2006	*11:06 AM*	9.75	12.7	751	375
8/29/2007	*10:06 AM*	9.79	13.6	620	359
8/28/2008	*3:24 PM*	9.48	14.9	689	425
7/29/2009	*9:21 AM*	9.55	12.6	609	304
7/28/2010	*12:15 PM*	9.69	15.8	510	255
9/22/2011	*3:18 PM*	9.64	12.1	600	301
10/20/2011	*10:28 AM*	9.67	11.9	545	273

Water Level Data

	Water Level	*
10/6/2005	278.93	5
8/28/2008		3
7/29/2009		3
7/28/2010	282.05	6
9/22/2011		3
10/20/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI146 **10/5/2011** ***Field Data (2011 only)***

Arrival Time: *9:50 AM*

Well Name	Well Ownership Info.
Antelope 11-10	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*up to 40 for LEL reading*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705673	*615651*	*7175*	*16.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes: *overcast, slight breeze*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

Did not sample this well due to LEL alarm.

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AMI146 10/13/2011 *Field Data (2011 only)*

Arrival Time: *9:55 AM*

Well Name	Well Ownership Info.
Antelope 11-10	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*208.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:20 AM	*9.86*	*483*	*241*	*11*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*see main notes*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705677	*615651*	*7198*	*17.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*11:20 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *286 AMI146 DA11 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *515*

Sample Depth Actual (ft): *515*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

Due to past LEL alarms from this well, Shell contracted Geomatrix to be on site to displace any hazardous gas with nitrogen. LEL today fluctuated between 9 and 18 before nitrogen was put into well. LEL remained at 0 while samples were collected. BTEX 8260 and 8021 will also be analyzed. Carrie Hatch with Geomatix present.

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AMI146 11/22/2011 *Field Data (2011 only)*

Arrival Time: *1:21 PM*

Well Name	Well Ownership Info.
Antelope 11-10	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*207.3*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:10 PM	*9.35*	*574*	*286*	*7.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*LEL was up to 16% before gases were displaced - see main notes*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705676	*615652*	*7198*	*15.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:10 PM	*2:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *326 AMI146 DA11 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *515*

Sample Depth Actual (ft): *515*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 32

Weather Notes: *mostly cloudy, calm*

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Metals filtered and preserved at the office at 4:00pm this day. Tom with Geomatrix also present to assist with sample by displacing any explosive gases from well casing with nitrogen.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/2/2004	*11:30 AM*	*1*	168	0.7	40	11.3	0.6	0	116	5	539	285
10/4/2005	*3:30 PM*	*1*	171	0.6	38	12.1	0	0	110	4	532	284
8/27/2007	*11:45 AM*	*1*	175	0.7	40	13.7	0	0.5	114	4	528	290
9/19/2008	*1:30 PM*	*1*	167	0	38	11.4	0	0	111	5	495	283
10/20/2008	*10:45 AM*	*1*	164	0	35	11	0	0	116	4	511	266
10/27/2008	*10:30 AM*	*1*	160	0	36	11.6	0	0	117	9	510	282
11/20/2008	*1:25 PM*	*1*										
8/5/2009	*3:30 PM*	*1*	169	2	36	11.4	0	0	111	3	522	292
10/28/2009	*10:15 AM*	*1*	176	0	36	11	0	0	111	4	519	287
10/6/2010	*1:00 PM*	*1*	174	0	36	10.9	0	0	112	8	502	285
10/13/2011	*11:20 AM*	*1*	154	0	36	11.2	0	0	112	7	500	273
11/22/2011	*2:00 PM*	*1*	152	0	36	11.2	0	0	114	7	510	296

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/2/2004	*11:30 AM*								0
10/4/2005	*3:30 PM*								
8/27/2007	*11:45 AM*								
9/19/2008	*1:30 PM*	0	**0.206**						
10/20/2008	*10:45 AM*	0	**0.212**						
10/27/2008	*10:30 AM*	0	**0.245**	***7.5***	0	0	0	**1.2**	
11/20/2008	*1:25 PM*	0	**0.16**	***5.3***	0	0	0	0	
8/5/2009	*3:30 PM*	0	**0.19**	***7.8***	0	0	0	0	
10/28/2009	*10:15 AM*	0	**0.21**	***6.8***	0	0	0	0	
10/6/2010	*1:00 PM*	0	**0.17**	***5.9***	0	0	0	0	
10/13/2011	*11:20 AM*	0	0	***7.5***	0	0	0	0	
11/22/2011	*2:00 PM*	0	**0.21**	***6.7***	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/2/2004	*12:07 PM*	9.92	9.8	573	283
10/4/2005	*3:15 PM*	10.07	10.3	557	280
8/27/2007	*11:26 AM*	9.76	14.4	563	326
9/19/2008	*1:20 PM*	9.55	15.6	584	365
10/20/2008	*10:20 AM*	9.69	10.4	560	352
10/27/2008	*11:05 AM*	9.67	10.2	564	359
11/20/2008	*1:25 PM*	9.35	6.8	559	359
8/5/2009	*3:30 PM*	9.73	16.5	511	255
10/28/2009	*10:45 AM*	9.40	5.1	512	257
10/6/2010	*12:55 PM*	9.82	13.3	543	272
10/13/2011	*11:20 AM*	9.86	11	483	241
11/22/2011	*2:10 PM*	9.35	7.8	574	286

Water Level Data

	Water Level	*
11/2/2004	214.95	6
10/4/2005	215.14	6
8/27/2007	219.28	6
9/19/2008	219.75	6
10/20/2008		3
10/27/2008		3
11/20/2008		3
8/5/2009	220.49	6
10/28/2009	219.70	6
7/27/2010		3
7/28/2010		3
8/24/2010		3

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Results within Field Data represent the last set of measurements recorded that day.

10/6/2010	208.50	5
10/5/2011		3
10/13/2011	208.50	5
11/22/2011	207.30	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI148 9/22/2011 *Field Data (2011 only)*

Arrival Time: *12:00 PM*

Well Name	Well Ownership Info.
Warbonnet 13-14	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*71*	*12:46 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:24 PM	*9.53*	*554*	*281*	*12.3*
12:27 PM	*9.79*	*511*	*256*	*11.7*
12:30 PM	*9.79*	*510*	*256*	*11.7*
12:33 PM	*9.76*	*511*	*256*	*11.7*
12:36 PM	*9.75*	*512*	*257*	*11.8*
12:39 PM	*9.75*	*513*	*257*	*11.8*
12:42 PM	*9.73*	*515*	*257*	*12*
12:45 PM	*9.71*	*513*	*256*	*11.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is not accessible for gas alarm check

Location Data

Northing	Easting	Elev(ft)	Accuracy
4713184	*607235*	*7447*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:46 PM	*12:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

265 AMI148 DA11 S

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 67

Weather Notes:

clear, breezy

SCCD Personnel Present

Delsa Allen	Sharon Harrell

Overall Field / Sample Notes

Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/17/2005	*12:20 PM*	*1*	170	1.3	38	5.7	0	0.6	113	23	539	328
6/2/2006	*1:15 PM*	*1*	170	0.9	46	3.7	0	0	118	12	529	268
5/18/2007	*1:30 PM*	*1*	200	0.8	20	5.1	0.6	0	122	11	509	244
5/27/2008	*2:30 PM*	*1*	188	1.3	15	5.4	0	0	124	13	491	259
7/15/2009	*12:10 PM*	*1*	192	0	24	5.5	0	0	111	5	500	292
7/22/2010	*10:45 AM*	*2*	188	0	35	5.5	0	0	109	4	487	290
9/22/2011	*12:45 PM*	*2*	190	0	19	5.3	0	0	110	7	483	293

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/17/2005	*12:20 PM*								0
6/2/2006	*1:15 PM*								
5/18/2007	*1:30 PM*								
5/27/2008	*2:30 PM*	0	0						
7/15/2009	*12:10 PM*	0	0						
7/22/2010	*10:45 AM*	0	0						
9/22/2011	*12:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/17/2005	*12:20 PM*	9.43	13.5	535	267
6/2/2006	*1:35 PM*	9.46	14.5	571	290
5/18/2007	*1:45 PM*	9.70	14.3	527	263
5/27/2008	*2:15 PM*	10.70	12	530	270
7/15/2009	*12:18 PM*	9.26	15.6	455	228
7/22/2010	*10:47 AM*	9.58	12.6	474	237
9/22/2011	*12:45 PM*	9.71	11.9	513	256

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
6/17/2005	475.16	6
6/17/2005	475.95	5
6/2/2006	476.19	6
5/18/2007	478.85	6
5/27/2008	480.00	6
7/15/2009	479.52	6
7/22/2010		3
9/22/2011		3

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI150 6/23/2011 *Field Data (2011 only)*

Arrival Time: *11:14 AM*

Well Name	Well Ownership Info.
Stewart Point 16-18	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:47 AM	*9.37*	*548*	*275*	*9.8*
11:50 AM	*9.38*	*493*	*246*	*12.2*
11:53 AM	*9.37*	*490*	*245*	*12.7*
11:56 AM	*9.39*	*488*	*244*	*13.1*
11:59 AM	*9.38*	*489*	*244*	*13.3*
12:02 PM	*9.39*	*488*	*244*	*13.6*
12:05 PM	*9.39*	*488*	*244*	*13.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742354	*589358*	*7320*	*17.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:06 PM	*12:05 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

DRO bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

Rest of bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
174AMI150DA11Q

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 58

Weather Notes: *Overcast, raining*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
Richard with Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*9:50 AM*	*2*	219	1.2	3	1.9	0	0	114	24	543	277
10/5/2005	*9:45 AM*	*2*	230	1.5	3	2.6	0	0	110	15	489	288
5/10/2006	*9:40 AM*	*2*	232	1.4	3	2.5	0	0	111	15	475	270
5/31/2007	*12:15 PM*	*2*	226	1.2	2	2.2	0	0	108	16	488	304
5/20/2008	*9:30 AM*	*2*	230	1.5	1	1.9	0	0	134	28	509	286
7/8/2009	*11:05 AM*	*1*	221	1	2	2.2	0	0	98	14	475	280
6/14/2010	*1:10 PM*	*2*	230	0	2	1.6	0	0	111	20	461	281
6/23/2011	*12:05 PM*	*2*	230	1	2	2.3	0	0	112	16	464	257

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*9:50 AM*								0
10/5/2005	*9:45 AM*								
5/10/2006	*9:40 AM*								
5/31/2007	*12:15 PM*								
5/20/2008	*9:30 AM*	0	0						
7/8/2009	*11:05 AM*	0	0						
6/14/2010	*1:10 PM*	0	0						
6/23/2011	*12:05 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*9:43 AM*	9.23	12.1	477	238
10/5/2005	*10:05 AM*	9.40	13.1	502	251
5/10/2006	*9:39 AM*	9.26	12.8	508	252
5/31/2007	*12:04 PM*	9.40	13	484	245
5/20/2008	*9:23 AM*	9.15	14	533	267
7/8/2009	*11:10 AM*	8.84	13.8	434	216
6/14/2010	*1:08 PM*	9.19	14.2	446	223
6/23/2011	*12:05 PM*	9.39	13.7	488	244

Water Level Data

	Water Level	*
10/5/2005	266.15	5
5/20/2008		3
7/8/2009	277.31	6
6/14/2010		3
6/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI154 9/8/2011 *Field Data (2011 only)*

Arrival Time: *12:53 PM*

Well Name	Well Ownership Info.
Mesa 11-21	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:00 PM	*9.4*	*582*	*291*	*12.2*
1:03 PM	*9.54*	*492*	*246*	*13.6*
1:06 PM	*9.5*	*489*	*245*	*13.5*
1:09 PM	*9.45*	*489*	*244*	*13.5*
1:12 PM	*9.45*	*489*	*245*	*13.5*
1:15 PM	*9.44*	*488*	*244*	*13.5*
1:18 PM	*9.44*	*489*	*244*	*13.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731686	*594630*		*16*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:20 PM	*1:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *14) Hose attached to industrial pump*

DRO bottles filled from: *14) Hose attached to industrial pump*

Rest of bottles filled from: *14) Hose attached to industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *251 AMI154 DA11 Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard w/Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*2:00 PM*	*2*	220	1.1	3	1.8	0	0	123	49	533	259
8/24/2005	*1:00 PM*	*2*	201	1.1	3	1.7	0	0	98.2	14	484	282
8/24/2006	*4:55 PM*	*2*	214	1	14	1.9	0	0	117	13	518	244
8/9/2007	*11:45 AM*	*2*	239	1.1	4	2	0	0	123	15	480	268
8/9/2007	*11:50 AM*	*2*	239	1.1	4	1.9	0	0	119	15	481	264
9/18/2008	*1:15 PM*	*2*	212	0	14	2	0	0	112	16	452	272
8/24/2009	*4:15 PM*	*2*	221	0	16	2.2	0	0	109	11	480	284
8/18/2010	*12:35 PM*	*2*	230	0	14	1.9	0	0	110	11	475	273
9/8/2011	*1:20 PM*	*2*	209	0	18	2.1	0	0	119	13	483	281

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*2:00 PM*								0
8/24/2005	*1:00 PM*								
8/24/2006	*4:55 PM*								
8/9/2007	*11:45 AM*								
8/9/2007	*11:50 AM*								
9/18/2008	*1:15 PM*	0	0						
8/24/2009	*4:15 PM*	0	0						
8/18/2010	*12:35 PM*	0	0						
9/8/2011	*1:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*2:04 PM*	9.07	14.4	487	244
8/24/2005	*12:58 PM*	9.25	14.9	507	253
8/24/2006	*4:55 PM*	9.51	14.2	620	301
8/9/2007	*11:42 AM*	9.30	15.7	495	274
9/18/2008	*1:21 PM*	9.25	15.6	472	296
8/24/2009	*4:15 PM*	9.20	13.6	438	219
8/18/2010	*12:36 PM*	9.52	14	510	255
9/8/2011	*1:18 PM*	9.44	13.5	489	244

Water Level Data

	Water Level	*
8/24/2005	394.02	5
9/18/2008		3
8/24/2009		3
8/18/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI156 9/22/2011 *Field Data (2011 only)*

Arrival Time: *2:18 PM*

Well Name	Well Ownership Info.
Riverside 2-24	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4722418	*600027*	*6993*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 74

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Pump isn't working - will have to come back another day. Travis with Premier Pumps also present.

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Arrival Time: *1:23 PM*

Well Name	Well Ownership Info.
Riverside 2-24	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*74*	*1:48 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:28 PM	*9.93*	*703*	*352*	*9.8*
1:31 PM	*9.42*	*609*	*304*	*11*
1:34 PM	*9.33*	*599*	*300*	*11.3*
1:37 PM	*9.27*	*596*	*298*	*11.5*
1:40 PM	*9.28*	*595*	*298*	*11.6*
1:43 PM	*9.27*	*597*	*298*	*11.6*
1:46 PM	*9.24*	*596*	*298*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4722416	*600027*	*7019*	*14.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:48 PM	*1:50 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *285 AMI156 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 53

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out later in the day - sample set was kept together in a larger plastic bag that was labeled in the field with sample ID, date and time. Travis with Premier Pumps also present.

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Arrival Time: *9:03 AM*

Well Name	Well Ownership Info.
Riverside 2-24	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
85	*160*	*9:45 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:22 AM	*9.68*	*626*	*313*	*9.7*
9:25 AM	*9.35*	*608*	*303*	*10.5*
9:28 AM	*9.26*	*601*	*300*	*11.1*
9:31 AM	*9.24*	*597*	*299*	*11.2*
9:34 AM	*9.24*	*598*	*299*	*11.3*
9:37 AM	*9.24*	*595*	*298*	*11.4*
9:40 AM	*9.24*	*595*	*298*	*11.4*
9:43 AM	*9.21*	*596*	*298*	*11.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4722416	*600025*	*6987*	*15.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:45 AM	*9:45 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *327 AMI156 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 12

Weather Notes: *partly cloudy, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Metals sample filtered and preserved at the office at 4:00pm this day. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*12:00 PM*	*2*	230	1.3	33	7	0	1	128	0	566	353
10/6/2005	*12:05 PM*	*2*	234	1.1	30	7.6	0	0	131	0	563	322
9/7/2006	*1:00 PM*	*2*	232	1.3	34	6.3	0	0.5	135	0	629	310
8/29/2007	*12:48 PM*	*2*	238	1.3	27	8.1	0	0	133	0	552	304
9/11/2008	*11:30 AM*	*1*	224	2	35	7	0	0	137	0	552	318
7/29/2009	*2:05 PM*	*2*	255	1	35	6	0	0	133	3	577	340
7/22/2010	*2:50 PM*	*2*	235	1	36	7.1	0	0	131	3	559	334
10/12/2011	*1:50 PM*	*2*	210	1	37	6.7	0	0	119	4	562	325
11/23/2011	*9:45 AM*	*2*	214	1	36	5.9	0	0	134	3	573	341

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*12:00 PM*								0
10/6/2005	*12:05 PM*								0
9/7/2006	*1:00 PM*								0
8/29/2007	*12:48 PM*								0
9/11/2008	*11:30 AM*	0	0						
7/29/2009	*2:05 PM*	0	0						
7/22/2010	*2:50 PM*	0	0						
10/12/2011	*1:50 PM*	0	**0.076**						
11/23/2011	*9:45 AM*	**2.2**	**0.022**	0	0	0	0	**8.5**	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*11:59 AM*	9.28	10.1	580	289
10/6/2005	*12:04 PM*	8.69	11.3	596	297
9/7/2006	*1:01 PM*	9.29	12.7	605	300
8/29/2007	*12:47 PM*	9.31	12.7	574	331
9/11/2008	*11:36 AM*	9.18	11.2	581	364
7/29/2009	*2:04 PM*	9.09	12.4	570	285
7/22/2010	*2:50 PM*	9.15	12.2	544	272
10/12/2011	*1:46 PM*	9.24	11.7	596	298
11/23/2011	*9:43 AM*	9.21	11.5	596	298

Water Level Data

	Water Level	*
10/6/2005	51.05	5
9/11/2008	36.14	6
7/29/2009		3
7/22/2010		3
9/22/2011		3
10/12/2011		3
11/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI159 10/25/2011 *Field Data (2011 only)*

Arrival Time: *1:40 PM*

Well Name	Well Ownership Info.
Mesa 11-28	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*466.3*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:18 PM	*9.44*	*647*	*324*	*9.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4729886	*594839*	*7416*	*17*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:18 PM	*2:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
298 AMI159 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *765*

Sample Depth Actual (ft): *765*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 40

Weather Notes:
partly cloudy

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/25/2004	*2:15 PM*	*1*	219	2.3	7	1.7	0	0	117	28	499	289
10/3/2005	*11:00 AM*	*1*	214	1.7	11	2	0	0	118	34	540	303
6/1/2006	*1:25 PM*	*2*	225	1.1	3	1.6	0	0	110	20	483	282
5/17/2007	*1:15 PM*	*1*	220	1.2	8	1.8	0	0	119	22	502	252
5/21/2008	*12:45 PM*	*2*	196	1.4	10	2	0	0	135	43	544	316
7/14/2009	*3:30 PM*	*1*	207	1	11	2.1	0	0	118	41	546	335
10/5/2010	*12:20 PM*	*1*	221	1	12	1.9	0	0	124	49	548	340
10/25/2011	*2:20 PM*	*1*	191	1	13	2	0	0	112	44	535	315

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/25/2004	*2:15 PM*								0
10/3/2005	*11:00 AM*								
6/1/2006	*1:25 PM*								
5/17/2007	*1:15 PM*								
5/21/2008	*12:45 PM*	0	0	0	0	0	0	0	
7/14/2009	*3:30 PM*	0	0						
10/5/2010	*12:20 PM*	0	0						
10/25/2011	*2:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/25/2004	*1:55 PM*	9.32		517	
10/3/2005	*11:00 AM*	9.46	12.1	557	280
6/1/2006	*1:26 PM*	9.32	14.5	515	257
5/17/2007	*1:10 PM*	9.33	15.4	490	246
5/21/2008	*12:45 PM*	8.65	14.1	553	327
7/14/2009	*3:30 PM*	9.09	15.9	472	236
10/5/2010	*12:22 PM*	9.32	14.8	572	286
10/25/2011	*2:18 PM*	9.44	9.8	647	324

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
8/25/2004	477.10	5
8/25/2004	477.39	4
10/3/2005	482.58	6
5/17/2007	467.08	6
5/21/2008		3
7/14/2009	476.58	6
10/5/2010	469.55	6
10/5/2010	464.50	5
10/25/2011	466.30	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI160 9/29/2011 *Field Data (2011 only)*

Arrival Time: *1:35 PM*

Well Name	Well Ownership Info.
Mesa 12-28	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
59190	*59267*	*2:14 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:51 PM	*9.08*	*536*	*269*	*12.7*
1:54 PM	*9.33*	*507*	*252*	*14.5*
1:57 PM	*9.28*	*510*	*255*	*14.7*
2:00 PM	*9.27*	*512*	*257*	*14.9*
2:03 PM	*9.23*	*513*	*257*	*14.9*
2:06 PM	*9.21*	*515*	*257*	*14.9*
2:09 PM	*9.21*	*513*	*257*	*15*
2:12 PM	*9.21*	*513*	*257*	*15*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is sealed - not accessible for gas alarm check

Location Data

Northing	Easting	Elev(ft)	Accuracy
4729951	*594488*	*7429*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:14 PM	*2:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

272 AMI160 DA11 S

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 66

Weather Notes:

clear, slight breeze

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Rig on location. Bottle labels were filled out at the end of the day - sample set was kept together in a larger bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/4/2004	*3:20 PM*	*1*	222	3.1	9	1.9	0	0.6	120	27	516	315
9/5/2006	*2:50 PM*	*2*	236	1	4	1.6	0	0.6	117	21	524	278
5/17/2007	*2:30 PM*	*1*	238	2.7	6	2.2	0	0	122	13	518	254
6/4/2008	*10:45 AM*	*1*	231	1.4	5	2.4	0	0	137	18	533	284
7/1/2008	*1:45 PM*	*1*	245	1.4	4	2.1	0	0	130	15	528	268
7/1/2008	*1:45 PM*	*1*	245	1.4	4	2.1	0	0	130	15	528	268
5/20/2009	*3:45 PM*	*2*	241	1	8	2.6	0	0	123	25	519	333
11/12/2009	*3:00 PM*	*2*	246	1	2	2	0	0	116	19	490	271
6/7/2010	*3:20 PM*	*2*	244	0	2	2	0	0	119	18	499	296
9/29/2011	*2:15 PM*	*2*	224	0	3	2	0	0	120	20	483	309

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/4/2004	*3:20 PM*								0
9/5/2006	*2:50 PM*								
5/17/2007	*2:30 PM*								0
6/4/2008	*10:45 AM*	0	**0.165**						
7/1/2008	*1:45 PM*	0	**0.208**	**1.3**	**4.6**	**57**	**10**	**0.98**	
7/1/2008	*1:45 PM*	0	**0.208**	**1.3**	**4.6**	**57**	**10**	**0.98**	
5/20/2009	*3:45 PM*	0	0	0	0	0	0	**2.3**	
11/12/2009	*3:00 PM*	0	0	0	0	0	0	0	
6/7/2010	*3:20 PM*	0	0	0	0	0	0	0	
9/29/2011	*2:15 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/4/2004	*3:20 PM*	9.21	10.7	548	272
9/5/2006	*3:00 PM*	9.22	15.6	486	242
5/17/2007	*2:35 PM*	9.53	14.8	512	256
6/4/2008	*10:53 AM*	9.72	11.8	581	290
7/1/2008	*1:35 PM*	9.85	17.9	572	335
5/20/2009	*3:57 PM*	9.23	14.3	502	250
11/12/2009	*2:58 PM*	8.93	14.1	474	236
6/7/2010	*3:20 PM*	9.09	14.8	470	235
9/29/2011	*2:12 PM*	9.21	15	513	257

Water Level Data

	Water Level	*
11/4/2004	485.80	5
5/17/2007	471.98	6
6/4/2008	472.22	6
7/1/2008		3
5/20/2009		3
11/12/2009		3
6/7/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI161 9/27/2011 *Field Data (2011 only)*

Arrival Time: *12:33 PM*

Well Name	Well Ownership Info.
Stewart Point 5-29 D (also known as 4-29)	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*679.3*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:18 PM	*9.12*	*905*	*455*	*13.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740077	*589623*	*7756*	*20.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:18 PM	*1:25 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
270 AMI161 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *815*

Sample Depth Actual (ft): *815*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes:
mostly clear, calm

SCCD Personnel Present

Delsa Allen	*Eric Peterson*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/9/2004	*10:30 AM*	*1*	182	3.4	13	1.5	0.5	0.8	194	195	855	530
9/13/2005	*11:00 AM*	*1*	191	1.7	14	1.3	0	0	174	184	851	512
8/29/2006	*3:30 PM*	*1*	176	2.1	13	1.4	0	0.7	186	218	881	472
9/11/2007	*5:20 PM*	*1*	195	1.7	12	1.8	0	0.5	188	180	860	500
9/18/2008	*11:05 AM*	*2*	184	2	5	1.4	0	0	178	196	794	480
9/1/2009	*11:00 AM*	*1*	190	2	12	1.4	0	0	180	180	814	507
8/25/2010	*11:50 AM*	*1*	202	2	12	1.4	0	0	181	193	824	530
9/27/2011	*1:25 PM*	*1*	190	2	13	1.4	0	0	188	183	814	507

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/9/2004	*10:30 AM*								0
9/13/2005	*11:00 AM*								
8/29/2006	*3:30 PM*								
9/11/2007	*5:20 PM*								
9/18/2008	*11:05 AM*	0	0						
9/1/2009	*11:00 AM*	0	0						
8/25/2010	*11:50 AM*	0	0						
9/27/2011	*1:25 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/9/2004	*10:35 AM*	9.06	10.5	845	425
9/13/2005	*11:40 AM*	8.95	14.8	884	440
8/29/2006	*3:41 PM*	9.05	12.8	896	451
9/11/2007	*5:40 PM*	8.98	14	849	509
9/18/2008	*11:11 AM*	9.15	13.5	784	491
9/1/2009	*11:14 AM*	8.70	13.6	771	386
8/25/2010	*11:55 AM*	9.16	14.9	864	433
9/27/2011	*1:18 PM*	9.12	13.9	905	455

Water Level Data

	Water Level	*
11/9/2004	698.19	6
9/13/2005	689.59	6
8/29/2006	690.91	6
9/11/2007	694.72	6
9/18/2008		3
9/1/2009	692.92	6
8/25/2010	692.57	6
9/27/2011	679.30	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI162 10/19/2011 *Field Data (2011 only)*

Arrival Time: *12:44 PM*

Well Name	Well Ownership Info.
Rainbow 3-31	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by a Newfield representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*356.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:39 PM	*9.37*	*565*	*283*	*12.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709552	*610984*	*7339*	*15.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:39 PM	*1:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
292 AMI162 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 53

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/13/2005	*11:15 AM*	*2*	123	1.1	39	8.8	0	0	117	54	548	355
6/13/2005	*11:30 AM*	*2*	124	1	31	9	0	0	115	53	549	338
5/9/2006	*1:40 PM*	*2*	130	1	33	1	0	0	114	56	534	286
4/23/2007	*11:30 AM*	*2*	126	1.3	32	11.7	0	0	112	60	558	300
6/26/2008	*11:30 AM*	*2*	129	1	32	9.6	0	0	123	60	546	300
6/26/2008	*11:35 AM*	*2*	128	1.1	32	9.6	0	0	125	60	545	293
7/23/2008	*9:15 AM*	*2*	128	1	32	10	0	0	123	63	548	282
10/1/2009	*11:45 AM*	*1*	130	0	33	10.4	0	0	112	51	518	326
7/1/2010	*2:45 PM*	*1*	135	0	32	9.8	0	0	113	53	527	300
10/19/2011	*1:40 PM*	*1*	120	0	32	9.8	0	0	105	55	521	286

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/13/2005	*11:15 AM*								0
6/13/2005	*11:30 AM*								0
5/9/2006	*1:40 PM*								0
4/23/2007	*11:30 AM*								
6/26/2008	*11:30 AM*	0	0						
6/26/2008	*11:35 AM*	**1.4**	0						
7/23/2008	*9:15 AM*	0	0	0	0	0	0	0	
10/1/2009	*11:45 AM*	0	0	0	0	0	0	0	
7/1/2010	*2:45 PM*	0	0	0	0	0	0	**1.6**	
10/19/2011	*1:40 PM*	0	0						

Cleanup levels used by WYDEQ: *1.1 or 10 mg/L* *7.3 mg/L* *5 ug/L* *700 ug/L* *10,000 ug/L* *10,000 ug/L* *1,000 ug/L*

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/13/2005	*11:30 AM*	9.52	11.5	538	269
5/9/2006	*1:43 PM*	9.73	11.2	562	281
4/23/2007	*11:16 AM*	9.89	11.7	566	283
6/26/2008	*11:30 AM*	9.32	15.3	606	356
7/23/2008	*9:15 AM*	9.40	14.1	593	348
10/1/2009	*11:42 AM*	9.47	7.8	530	263
7/1/2010	*2:50 PM*	9.51	14.7	507	253
10/19/2011	*1:39 PM*	9.37	12.4	565	283

Water Level Data

	Water Level	*
6/26/2008		3
7/23/2008		3
10/1/2009	363.00	6
7/1/2010		3
8/24/2010	362.42	6
10/19/2011	356.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI163 10/18/2011 *Field Data (2011 only)*

Arrival Time: *1:27 PM*

Well Name	Well Ownership Info.
Rainbow 15-32	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by a Newfield representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*322*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:15 PM	*10.08*	*801*	*400*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708495	*613043*	*7297*	*17*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:15 PM	*2:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
291 AMI163 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *553*

Bailing Method Used: *See Bailing Notes*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:
a combination of nylon and polyester rope was used

Approximate Outside Temperature (F): 45

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
Bailers would not drop into well any farther than 553 feet.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/13/2005	*1:30 PM*	*2*	67	10.5	18	1.5	0.7	0.7	381	664	1780	1180
6/28/2006	*11:00 AM*	*1*	120	8.7	64	2.3	0	0.6	382	622	1780	1120
4/23/2007	*3:05 PM*	*1*	83	8	23	2.3	0	1	344	702	1780	1110
6/20/2008	*1:45 PM*	*1*	106	4.3	27	4.1	0	1	365	526	1480	901
6/30/2009	*1:05 PM*	*1*	192	0	49	10.2	0	0	152	57	717	402
7/1/2010	*10:15 AM*	*1*	200	1	49	10	0	0	161	62	737	408
8/24/2010	*2:35 PM*	*1*	208	1	50	10	0	0	153	58	738	408
10/18/2011	*2:15 PM*	*1*	183	0	48	9.7	0	0	149	75	754	412

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/13/2005	*1:30 PM*								0
6/28/2006	*11:00 AM*								
4/23/2007	*3:05 PM*								
6/20/2008	*1:45 PM*	0	0						
6/30/2009	*1:05 PM*	0	0						
7/1/2010	*10:15 AM*	0	0						
8/24/2010	*2:35 PM*	0	0	0	0	0	0	0	
10/18/2011	*2:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/13/2005	*1:32 PM*	9.23	10.8	1813	907
6/28/2006	*11:20 AM*	9.33	14.1	1844	918
4/23/2007	*3:05 PM*	9.57	10.3	1868	935
6/20/2008	*1:50 PM*	9.70	16.2	1640	977
6/30/2009	*1:00 PM*	9.84	16.2	680	340
7/1/2010	*10:30 AM*	10.11	15.9	725	362
8/24/2010	*2:55 PM*	10.17	15	780	389
10/18/2011	*2:15 PM*	10.08	11.7	801	400

Water Level Data

	Water Level	*
6/13/2005	337.97	5
6/28/2006	322.81	6
4/23/2007	325.10	5
6/20/2008	326.39	6
6/30/2009	237.11	6
7/1/2010		3
8/24/2010	326.44	6
10/18/2011	322.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI165 10/4/2011 *Field Data (2011 only)*

Arrival Time: *11:06 AM*

Well Name	Well Ownership Info.
Stewart Point 4-33	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*504.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:41 AM	*9.3*	*1051*	*526*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4738306	*591930*	*7575*	*17.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:41 AM	*11:45 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
277 AMI165 DA11 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *800*

Sample Depth Actual (ft): *800*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 62

Weather Notes:
cloudy, slight breeze

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/13/2004	*10:45 AM*	*2*	168	2.8	6	1.4	0	0.6	187	228	947	519
8/24/2005	*3:45 PM*	*2*	158	2.4	1	1.3	0	0	184	257	965	584
8/24/2006	*1:35 PM*	*2*	160	3.2	8	1	0	0	226	319	1070	576
9/10/2008	*11:15 AM*	*1*	183	3	8	1.2	0	0	220	284	1010	617
9/1/2009	*12:30 PM*	*1*	242	2	8	1.5	0	0	210	206	953	596
8/25/2010	*1:20 PM*	*1*	186	3	7	1.2	0	0	222	284	1000	646
10/4/2011	*11:45 AM*	*1*	170	3	8	1.3	0	0	226	289	1000	639

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/13/2004	*10:45 AM*								0
8/24/2005	*3:45 PM*								
8/24/2006	*1:35 PM*								
9/10/2008	*11:15 AM*	0	0						
9/1/2009	*12:30 PM*	0	0						
8/25/2010	*1:20 PM*	0	0						
10/4/2011	*11:45 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/13/2004	*10:39 AM*	9.25	9.6	827	417
8/24/2005	*3:27 PM*	9.08	12.7	1008	503
8/24/2006	*1:32 PM*	9.54	12.8	1248	627
9/10/2008	*11:50 AM*	9.44	11.4	1065	674
9/1/2009	*12:20 PM*	9.63	14.1	876	438
8/25/2010	*1:25 PM*	9.24	16.4	1064	532
10/4/2011	*11:41 AM*	9.30	12.1	1051	526

Water Level Data

	Water Level	*
9/10/2008	514.39	6
9/1/2009	511.99	6
8/25/2010	512.67	6
10/4/2011	504.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI167 9/29/2011 *Field Data (2011 only)*

Arrival Time: *10:39 AM*

Well Name	Well Ownership Info.
Mesa 12-33	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*85*	*11:20 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:54 AM	*9.4*	*569*	*284*	*11.2*
10:57 AM	*9.27*	*542*	*271*	*14.4*
11:00 AM	*9.3*	*539*	*270*	*14.9*
11:03 AM	*9.28*	*541*	*270*	*15.1*
11:06 AM	*9.26*	*539*	*270*	*15.2*
11:09 AM	*9.26*	*541*	*270*	*15.2*
11:12 AM	*9.24*	*539*	*269*	*15.3*
11:15 AM	*9.23*	*537*	*269*	*15.3*
11:18 AM	*9.23*	*538*	*269*	*15.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is sealed - not accessible for gas alarm check

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728307	*594411*	*7410*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*11:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*11:20 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

272 AMI167 DA11 S & 272 AMI167 DA11 S D

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 54

Weather Notes:

clear, slight breeze

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample sets were kept together in a larger bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*2:25 PM*	*2*	252	1.2	3	2.9	0	0.9	128	24	546	343
10/6/2005	*1:30 PM*	*2*	256	1	15	2.6	0	0	126	23	548	328
9/5/2006	*1:40 PM*	*2*	248	1.1	3	1.9	0	0.5	129	27	569	302
7/12/2007	*4:15 PM*	*2*	250	0.9	3	2.8	0	0	139	23	539	330
8/28/2008	*10:50 AM*	*2*	235	1	2	2.4	0	0	138	34	507	303
8/3/2009	*2:05 PM*	*2*	249	0	2	2.6	0	0	127	22	554	320
8/3/2010	*1:45 PM*	*2*	277	1	3	2.6	0	0	137	26	552	310
9/29/2011	*11:15 AM*	*2*	230	0	3	2.4	0	0	125	23	506	285
9/29/2011	*11:20 AM*	*2*	233	0	3	2.4	0	0	126	22	508	286

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*2:25 PM*								0
10/6/2005	*1:30 PM*								
9/5/2006	*1:40 PM*								
7/12/2007	*4:15 PM*								0
8/28/2008	*10:50 AM*	0	0						
8/3/2009	*2:05 PM*	0	0						
8/3/2010	*1:45 PM*	0	0						
9/29/2011	*11:15 AM*	0	0						
9/29/2011	*11:20 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*2:23 PM*	9.82	13.5	523	264
10/6/2005	*1:35 PM*	9.10	15.1	577	288
9/5/2006	*1:39 PM*	9.24	15.4	555	277
7/12/2007	*4:12 PM*	8.88	15.9	543	298
8/28/2008	*10:53 AM*	9.08	16	575	362
8/3/2009	*1:58 PM*	9.11	16	537	268
8/3/2010	*1:44 PM*	9.24	15.7	531	266
9/29/2011	*11:18 AM*	9.23	15.3	538	269

Water Level Data

	Water Level	*
8/28/2008		3
8/3/2009		3
8/3/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI168 9/29/2011 *Field Data (2011 only)*

Arrival Time: *11:42 AM*

Well Name	Well Ownership Info.
Mesa 5-33	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*73*	*12:22 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:52 AM	*9.66*	*694*	*346*	*9.5*
11:55 AM	*8.84*	*601*	*300*	*9.5*
11:58 AM	*9.01*	*597*	*299*	*9.6*
12:01 PM	*8.84*	*594*	*298*	*9.8*
12:04 PM	*8.97*	*595*	*298*	*9.8*
12:07 PM	*8.97*	*596*	*298*	*9.9*
12:10 PM	*8.96*	*595*	*298*	*9.9*
12:13 PM	*8.83*	*593*	*297*	*10*
12:16 PM	*8.94*	*593*	*297*	*10*
12:19 PM	*8.95*	*594*	*297*	*10*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728783	*594498*	*7414*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:22 PM	*12:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *272 AMI168 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 62

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Three, 1 liter glass bottles filled. Bottle labels were filled out at the end of the day - sample set was kept together in a larger bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
11/1/2004	*2:10 PM*	*2*	176	7.5	5	0.9	1.2	1.5	119	87	566	370
10/5/2005	*2:00 PM*	*1*	175	6.5	13	0.7	1.2	0.6	117	78	567	336
9/5/2006	*1:00 PM*	*2*	178	6.5	12	0.4	1	1	116	90	593	338
8/29/2007	*3:00 PM*	*2*	183	5.9	11	0.8	1	0.8	122	86	564	338
9/3/2008	*2:45 PM*	*1*	173	6	12	0.6	0	0	127	92	543	341
8/3/2009	*3:10 PM*	*2*	177	5	11	0.6	1	0	121	82	585	369
8/3/2010	*2:25 PM*	*2*	190	5	12	0.6	0	0	119	86	563	311
9/29/2011	*12:20 PM*	*2*	177	5	12	0.7	0	0	125	87	554	326

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
11/1/2004	*2:10 PM*								0
10/5/2005	*2:00 PM*								
9/5/2006	*1:00 PM*								
8/29/2007	*3:00 PM*								
9/3/2008	*2:45 PM*	0	0						
8/3/2009	*3:10 PM*	0	0						
8/3/2010	*2:25 PM*	0	0						
9/29/2011	*12:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
11/1/2004	*1:55 PM*	8.72		593	294
10/5/2005	*3:05 PM*	8.44	9.5	588	294
9/5/2006	*1:11 PM*	8.91	10.8	588	295
8/29/2007	*2:59 PM*	9.01	10.4	585	346
9/3/2008	*2:45 PM*	8.10	13.8	635	400
8/3/2009	*2:40 PM*	8.83	10.9	576	287
8/3/2010	*2:29 PM*	9.08	10.6	550	275
9/29/2011	*12:19 PM*	8.95	10	594	297

Water Level Data

	Water Level	*
10/5/2005	267.80	6
10/5/2005	345.83	5
9/3/2008		6
8/3/2009		3
8/3/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI182 10/17/2011 *Field Data (2011 only)*

Arrival Time: *12:11 PM*

Well Name	Well Ownership Info.
Highway / Federal #7	*Yates*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*318.7*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:45 PM	*9.44*	*556*	*276*	*10.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705995	*613941*	*7287*	*15.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:45 PM	*1:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
290 AMI182 DA11 Y

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 45

Weather Notes:
sunny, very breezy

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
Doug with Yates also present.

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AMI182 12/21/2011 *Field Data (2011 only)*

Arrival Time: *10:22 AM*

Well Name	Well Ownership Info.
Highway / Federal #7	*Yates*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*317.8*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:15 AM	*9.77*	*727*	*362*	*6.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705994	*613938*	*7287*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:15 AM	*11:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *355 AMI182 DA11 Y*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 23

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

Strong sulfur smell to water. BTEX 8260 and 8021 will also be analyzed. Metals sample was filtered and preserved back at the office later this day.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/15/2004	*1:45 PM*	*1*	170	0.7	43	13.6	0	0	118	2	555	300
9/27/2005	*11:30 AM*	*1*	177	0.7	42	12.7	0	0	122	4	553	308
12/12/2008	*10:20 AM*	*2*	178	0	41	12.8	0	0	136	5	456	316
12/12/2008	*10:25 AM*	*2*	179	0	41	12.8	0	0	135	4	457	322
1/20/2009	*10:10 AM*	*2*	181	0	34	12.6	0	0	127	3	578	303
12/8/2009	*11:00 AM*	*1*	185	0	41	12.3	0	0	117	2	528	290
12/8/2009	*11:05 AM*	*1*	185	0	40	12.1	0	0	115	2	529	295
10/4/2010	*10:30 AM*	*1*	190	0	40	11.6	0	0	116	2	658	371
10/28/2010	*11:05 AM*	*1*	180	0	40	12.2	0	0	116	2	534	314
10/17/2011	*1:00 PM*	*1*	164	0	41	11.8	0	0	118	3	531	293
12/21/2011	*11:00 AM*	*1*	163	0	39	11.9	0	0	122	3	275	306

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/15/2004	*1:45 PM*								0
9/27/2005	*11:30 AM*								
12/12/2008	*10:20 AM*	0	**0.189**						
12/12/2008	*10:25 AM*	0	**0.165**						
1/20/2009	*10:10 AM*	0	**0.192**	***6.9***	0	0	0	0	
12/8/2009	*11:00 AM*	0	**0.15**	0	0	0	0	**1.4**	
12/8/2009	*11:05 AM*	0	**0.16**	0	0	0	0	**1.4**	
10/4/2010	*10:30 AM*	0	**0.16**	***5.8***	0	0	0	0	
10/28/2010	*11:05 AM*	0	**0.17**	***6.3***	0	0	0	0	
10/17/2011	*1:00 PM*	0	**0.12**	***6***	0	0	0	0	
12/21/2011	*11:00 AM*	0	**0.13**	***5.2***	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/15/2004	*1:55 PM*	9.76	10.2	555	281
9/27/2005	*11:35 AM*	10.03	11.6	589	293
12/12/2008	*10:18 AM*	9.20	10.5	506	253
1/20/2009	*10:16 AM*	9.44	11.6	496	249
12/8/2009	*11:10 AM*	8.99	4.4	552	277
10/4/2010	*10:27 AM*	9.75	13.2	561	281
10/28/2010	*11:10 AM*	9.57	10.7	560	282
10/17/2011	*12:45 PM*	9.44	10.3	556	276
12/21/2011	*11:15 AM*	9.77	6.9	727	362

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
12/15/2004	283.20	5
9/27/2005	324.08	6
10/6/2008		3
12/12/2008		3
1/20/2009		3
9/2/2009		3
12/7/2009		3
12/8/2009		3
10/4/2010	328.22	6
10/4/2010	319.40	5
10/28/2010	319.80	5
10/17/2011	318.70	5
12/21/2011	317.80	5

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Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI186 10/13/2011 *Field Data (2011 only)*

Arrival Time: *3:05 PM*

Well Name	Well Ownership Info.
Warbonnet 8-6	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*88.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:55 PM	*9.13*	*1215*	*605*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717269	*602006*	*7052*	*16.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:55 PM	*4:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
286 AMI186 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *640*

Sample Depth Actual (ft): *640*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/14/2005	*10:15 AM*	*2*	123	2.2	231	8.9	0	0	212	5	1070	580
6/2/2006	*3:15 PM*	*2*	126	1.6	235	4.6	0	0.9	218	4	1050	514
9/29/2006	*3:20 PM*	*2*	124	1.8	242	9.6	0	0.9	223	2	1090	568
10/4/2006	*10:55 AM*	*2*	126	1.9	228	9.6	0	0.8	217	2	1040	536
8/29/2007	*10:44 AM*	*2*	126	2.2	258	11.5	0	0.8	226	3	1140	562
8/28/2008	*2:15 PM*	*2*	119	2	253	9.8	0	0	240	4	1120	551
7/29/2009	*11:05 AM*	*2*	121	2	249	10	0	0	242	2	1140	612
7/26/2010	*2:40 PM*	*1*	129	2	271	9.6	0	0	228	3	1120	618
10/13/2011	*4:00 PM*	*1*	120	2	264	9.6	0	0	234	3	1120	572

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/14/2005	*10:15 AM*								0
6/2/2006	*3:15 PM*								
9/29/2006	*3:20 PM*		**0.358**	**3.4**	**3.8**	**54**	**12**	**27**	**22**
10/4/2006	*10:55 AM*		0	0	0	**3.6**	**0.75**	**2.4**	0
8/29/2007	*10:44 AM*		0	0	0	0	0	**0.91**	0
8/28/2008	*2:15 PM*	0	0						
7/29/2009	*11:05 AM*	0	0	0	0	0	0	0	
7/26/2010	*2:40 PM*	0	0	0	0	0	0	0	
10/13/2011	*4:00 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/14/2005	*10:25 AM*	8.84	13	1068	538
6/2/2006	*3:09 PM*	9.16	13.6	1124	565
9/29/2006	*3:32 PM*	8.96	16.9	1340	672
10/4/2006	*11:02 AM*	9.12	12.6	1110	555
8/29/2007	*10:46 AM*	9.34	13.5	1163	673
8/28/2008	*2:14 PM*	9.18	13.8	1234	778
7/29/2009	*11:03 AM*	9.10	13.1	1120	560
7/26/2010	*2:40 PM*	9.36	17.1	1084	542
10/13/2011	*3:55 PM*	9.13	11.7	1215	605

Water Level Data

	Water Level	*
6/14/2005	133.66	5
9/27/2006	86.30	5
9/29/2006	86.50	5
8/28/2008		3
7/29/2009		3
7/26/2010	89.01	6
10/13/2011	88.50	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI188 10/12/2011 *Field Data (2011 only)*

Arrival Time: *11:48 AM*

Well Name	Well Ownership Info.
North Pinedale 14-8	*Shell*

Well Locked ☑

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*71*	*12:22 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:04 PM	*9.65*	*412*	*206*	*10.5*
12:07 PM	*9.58*	*409*	*205*	*11.5*
12:10 PM	*9.54*	*409*	*205*	*11.7*
12:13 PM	*9.52*	*409*	*205*	*11.7*
12:16 PM	*9.51*	*408*	*204*	*11.8*
12:19 PM	*9.51*	*408*	*205*	*11.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4743578	*590465*	*7298*	*17.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:22 PM	*12:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *285 AMI188 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 46

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out later in the day - sample set was kept together in a larger plastic bag that was labeled in the field with sample ID, date and time. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/1/2006	*11:00 AM*	*1*	188	5.5	0	0.8	4.9	2.6	78.2	12	402	264
6/5/2007	*9:00 AM*	*2*	192	0.5	8	0.9	0	0	88.7	6	398	180
6/5/2007	*9:15 AM*	*2*	192	0.5	2	0.9	0	0	86	6	398	176
5/28/2008	*4:45 PM*	*2*	192	0.9	2	1.2	0	0	101	3	387	229
5/21/2009	*2:30 PM*	*2*	205	0	2	1.2	0	0	91	1	396	222
6/16/2010	*9:35 AM*	*2*	210	0	2	1.2	0	0	97	3	388	221
6/16/2010	*9:40 AM*	*2*	210	0	2	1.2	0	0	94	3	387	212
10/12/2011	*12:20 PM*	*2*	185	0	2	1.2	0	0	91	2	383	230

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/1/2006	*11:00 AM*								0
6/5/2007	*9:00 AM*		0	0	0	0	0	0	0
6/5/2007	*9:15 AM*		0	0	0	0	0	0	0
5/28/2008	*4:45 PM*	0	0						
5/21/2009	*2:30 PM*	0	0						
6/16/2010	*9:35 AM*	0	0						
6/16/2010	*9:40 AM*	0	0						
10/12/2011	*12:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/1/2006	*11:40 AM*	9.54	13.2	436	217
6/5/2007	*9:20 AM*	9.58	13.5	404	203
5/28/2008	*4:41 PM*	9.72	12.5	410	205
5/21/2009	*2:40 PM*	9.18	12.5	364	182
6/16/2010	*9:36 AM*	9.27	12.1	380	189
10/12/2011	*12:19 PM*	9.51	11.8	408	205

Water Level Data

	Water Level	*
6/1/2006	217.20	6
5/28/2008		3
5/21/2009		3
6/16/2010		3
10/12/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI189 10/18/2011 *Field Data (2011 only)*

Arrival Time: *2:44 PM*

Well Name	Well Ownership Info.
Rainbow 15-31	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by a Newfield representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*370.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:55 PM	*9.39*	*535*	*268*	*11.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708376	*611353*	*7340*	*17.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:55 PM	*4:10 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
291 AMI189 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *630*

Sample Depth Actual (ft): *515*

Bailing Method Used: *See Bailing Notes*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:
a combination of nylon and polyester rope was used

Approximate Outside Temperature (F):

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
Bailers would not drop into well any farther than 515 feet.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/13/2005	*1:00 PM*	*2*	150	0.8	34	9.9	0	0	110	15	506	300
5/9/2006	*3:15 PM*	*1*	150	1	36	1.2	0	0	107	20	506	264
4/23/2007	*2:00 PM*	*1*	148	0.7	35	13.7	0	0	105	21	530	276
6/20/2008	*12:15 PM*	*1*	141	1	37	11.8	0	0	130	23	515	251
6/29/2009	*3:00 PM*	*1*	148	0	35	11.9	0	0	103	17	503	311
8/24/2010	*4:45 PM*	*1*	160	0	38	11.9	0	0	116	17	503	281
10/18/2011	*4:10 PM*	*1*	138	0	37	11.1	0	0	104	21	501	276

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/13/2005	*1:00 PM*								0
5/9/2006	*3:15 PM*								0
4/23/2007	*2:00 PM*								
6/20/2008	*12:15 PM*	0	0						
6/29/2009	*3:00 PM*	0	0						
8/24/2010	*4:45 PM*	0	0						
10/18/2011	*4:10 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/13/2005	*1:00 PM*	9.56	12.1	517	258
5/9/2006	*3:15 PM*	9.66	10.2	529	289
4/23/2007	*1:45 PM*	9.86	10.7	541	287
6/20/2008	*12:50 PM*	9.32	16.2	556	327
6/29/2009	*3:05 PM*	9.54	14.9	465	231
8/24/2010	*4:10 PM*	9.71	15.3	528	264
10/18/2011	*3:55 PM*	9.39	11.8	535	268

Water Level Data

	Water Level	*
6/13/2005	370.72	5
5/9/2006	372.79	6
4/23/2007	377.40	5
6/20/2008	377.65	6
6/29/2009	377.50	6
8/24/2010	376.46	6
10/18/2011	370.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI198 9/21/2011 *Field Data (2011 only)*

Arrival Time: *11:14 AM*

Well Name	Well Ownership Info.
Warbonnet 16-5	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
4848	*4921*	*11:43 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:21 AM	*9.69*	*647*	*323*	*8.8*
11:24 AM	*9.72*	*651*	*326*	*8.9*
11:27 AM	*9.66*	*649*	*325*	*8.9*
11:30 AM	*9.63*	*649*	*324*	*8.9*
11:33 AM	*9.66*	*649*	*324*	*8.9*
11:36 AM	*9.65*	*646*	*324*	*8.9*
11:39 AM	*9.66*	*645*	*323*	*8.9*
11:42 AM	*9.65*	*644*	*323*	*8.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4716369	*603643*	*7090*	*13.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:43 AM	*11:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI198 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 53

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Trip Blank also done with this sample set. Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/25/2005	*10:00 AM*	*2*	168	1	66	6.9	0	0	119	2	597	300
7/19/2006	*2:50 PM*	*1*	116	45.6	107	6	0.8	2.5	293	455	1020	614
5/10/2007	*2:00 PM*	*2*	166	0.9	68	6.9	0	0.5	134	5	623	304
6/13/2008	*1:00 PM*	*1*	138	6.4	326	6	1.2	1.7	343	206	1670	994
7/17/2008	*12:15 PM*	*1*	170	7	41	6.6	2.5	2.2	149	45	610	354
7/7/2009	*2:45 PM*	*1*	150	1	187	7.1	0	0	250	88	1220	654
11/12/2009	*12:00 PM*	*2*	164	0	75	6.7	0	0	136	19	620	304
11/12/2009	*12:05 PM*	*2*	164	0	75	6.9	0	0	132	20	625	334
6/7/2010	*11:20 AM*	*2*	169	1	62	6.6	0	0	134	33	640	365
9/21/2011	*11:40 AM*	*2*	150	0	62	6.4	0	0	131	39	629	344

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/25/2005	*10:00 AM*								0
7/19/2006	*2:50 PM*								
5/10/2007	*2:00 PM*								0
6/13/2008	*1:00 PM*	0	**0.056**						
7/17/2008	*12:15 PM*	0	0	**1**	0	**0.94**	0	**1**	
7/7/2009	*2:45 PM*	0	0	***5.5***	0	**4.7**	0	**3**	
11/12/2009	*12:00 PM*	0	0	0	0	0	0	**3.4**	
11/12/2009	*12:05 PM*	0	0	0	0	0	0	**2.9**	
6/7/2010	*11:20 AM*	0	0	0	0	0	0	0	
9/21/2011	*11:40 AM*	0	0	0	0	0	0	0	

Cleanup levels used by WYDEQ: *1.1 or 10 mg/L 7.3 mg/L 5 ug/L 700 ug/L 10,000 ug/L 10,000 ug/L 1,000 ug/L*

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/25/2005	*10:00 AM*	9.72	9.7	576	288
7/19/2006	*3:00 PM*	7.00	13.4	1525	758
5/10/2007	*2:00 PM*	9.65	10.7	615	305
6/13/2008	*1:14 PM*	9.79	12.8	956	475
7/17/2008	*12:05 PM*	9.39	17.9	676	398
7/7/2009	*2:38 PM*	9.26	13.8	637	320
11/12/2009	*11:56 AM*	9.41	8.8	605	302
6/7/2010	*11:14 AM*	9.44	9.3	609	304
9/21/2011	*11:42 AM*	9.65	8.9	644	323

Water Level Data

	Water Level	*
5/25/2005	257.70	5
7/19/2006	141.58	6
6/13/2008	153.19	6
7/17/2008		3
7/7/2009	146.03	6
11/12/2009		3
6/7/2010		3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI199 9/29/2011 *Field Data (2011 only)*

Arrival Time: *12:48 PM*

Well Name	Well Ownership Info.
Mesa 16-28	*Ultra*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
932	*1005*	*1:16 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:56 PM	*9.2*	*990*	*497*	*11.2*
12:59 PM	*9.34*	*925*	*463*	*11.1*
1:02 PM	*9.27*	*931*	*466*	*11.2*
1:05 PM	*9.27*	*931*	*467*	*11.2*
1:08 PM	*9.21*	*938*	*469*	*11.3*
1:11 PM	*9.21*	*945*	*473*	*11.3*
1:14 PM	*9.21*	*950*	*475*	*11.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4729319	*595530*	*7235*	*16.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:16 PM	*1:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

272 AMI199 DA11 U

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 65

Weather Notes:

clear, slight breeze

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Bottle labels were filled out at the end of the day - sample set was kept together in a larger bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2005	*11:45 AM*	*2*	194	1.8	13	1.3	0	0	167	142	788	466
9/30/2006	*1:22 PM*	*2*	191	2.3	15	1.1	0	0.6	187	203	853	516
7/19/2007	*11:20 AM*	*2*	190	2.1	17	0.9	0	0.6	239	296	1060	634
8/6/2007	*1:30 PM*	*2*	194	2.5	16	1.1	0	0.6	205	221	897	508
8/26/2008	*12:30 PM*	*2*	205	0	4	1.4	0	0	125	46	510	305
5/20/2009	*2:55 PM*	*2*	197	2	13	1.2	0	0	181	184	836	539
5/20/2009	*3:00 PM*	*2*	198	2	13	1.2	0	0	179	181	841	596
8/3/2010	*3:20 PM*	*2*	207	2	16	1	0	0	196	221	892	531
8/3/2010	*3:25 PM*	*2*	208	2	15	1	0	0	199	219	891	534
9/29/2011	*1:15 PM*	*2*	183	2	16	1	0	0	209	217	900	587

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2005	*11:45 AM*								0
9/30/2006	*1:22 PM*								
7/19/2007	*11:20 AM*		0	0	0	**0.89**	0	0	0
8/6/2007	*1:30 PM*		0	0	0	0	0	**0.79**	0
8/26/2008	*12:30 PM*	0	0	0	0	0	0	0	
5/20/2009	*2:55 PM*	0	0	0	0	0	0	0	
5/20/2009	*3:00 PM*	0	0	0	0	0	0	0	
8/3/2010	*3:20 PM*	0	0	0	0	0	0	0	
8/3/2010	*3:25 PM*	0	0	0	0	0	0	0	
9/29/2011	*1:15 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2005	*11:45 AM*	9.21	15.3	744	371
9/30/2006	*1:22 PM*	9.30	12.3	905	452
7/19/2007	*12:20 PM*	9.09	14	1073	589
8/6/2007	*1:30 PM*	9.07	13.9	918	503
8/26/2008	*12:26 PM*	9.40	13.9	580	358
5/20/2009	*3:02 PM*	9.12	11.5	784	392
8/3/2010	*3:21 PM*	9.25	11.8	871	435
9/29/2011	*1:14 PM*	9.21	11.3	950	475

Water Level Data

	Water Level	*
7/21/2005		5
7/19/2007	261.70	5
8/26/2008		3
5/20/2009		3
8/3/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI201 9/21/2011 *Field Data (2011 only)*

Arrival Time: *2:14 PM*

Well Name	Well Ownership Info.
Riverside 13-12	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no, but well is artesian*

Water Level Notes: *well is artisian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
668	*735*	*2:40 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:20 PM	*9.06*	*568*	*285*	*11.5*
2:23 PM	*9.27*	*556*	*278*	*11*
2:26 PM	*9.22*	*563*	*282*	*10.8*
2:29 PM	*9.22*	*558*	*280*	*10.9*
2:32 PM	*9.23*	*559*	*280*	*10.8*
2:35 PM	*9.22*	*557*	*279*	*10.9*
2:38 PM	*9.22*	*557*	*279*	*10.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724395	*599296*	*6911*	*15.6*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:40 PM	*2:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI201 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 67

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/29/2005	*10:30 AM*	*6*	261	1	6	8.6	0	0	132	8	560	336
9/13/2006	*4:50 PM*	*6*	245	1.2	7	8.6	0	0	137	11	609	312
8/1/2007	*2:15 PM*	*6*	270	0	14	7.6	0	0	150	9	550	316
7/28/2008	*12:15 PM*	*6*	272	1	5	6.2	0	0	139	10	566	325
5/19/2009	*4:25 PM*	*2*	273	0	6	6.3	0	0	132	7	527	349
7/22/2010	*3:45 PM*	*2*	280	0	6	6.2	0	0	136	7	549	341
9/21/2011	*2:40 PM*	*2*	254	0	7	6.3	0	0	134	8	548	306

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/29/2005	*10:30 AM*								0
9/13/2006	*4:50 PM*								
8/1/2007	*2:15 PM*								0
7/28/2008	*12:15 PM*	0	0						
5/19/2009	*4:25 PM*	0	0						
7/22/2010	*3:45 PM*	0	0						
9/21/2011	*2:40 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/29/2005	*10:25 AM*	9.33	8.9	586	294
9/13/2006	*4:52 PM*	9.65	9.9	573	288
8/1/2007	*2:11 PM*	9.01	10.4	574	315
7/28/2008	*12:20 PM*	9.08	14.4	589	359
5/19/2009	*4:37 PM*	9.17	12.1	514	257
7/22/2010	*3:42 PM*	9.21	11.3	537	268
9/21/2011	*2:38 PM*	9.22	10.9	557	279

Water Level Data

	Water Level	*
6/29/2005	0.00	3
8/1/2007	0.00	3
7/28/2008		3
5/19/2009		3
7/22/2010	0.00	3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI205 6/23/2011 *Field Data (2011 only)*

Arrival Time: *9:08 AM*

Well Name	Well Ownership Info.
Stewart Point 8-22/8-32	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:13 AM	*9.49*	*505*	*252*	*12*
9:16 AM	*9.58*	*465*	*232*	*12.5*
9:19 AM	*9.6*	*477*	*238*	*12.5*
9:22 AM	*9.6*	*494*	*247*	*12.8*
9:25 AM	*9.59*	*498*	*250*	*13*
9:28 AM	*9.59*	*497*	*249*	*13.1*
9:31 AM	*9.6*	*499*	*249*	*13.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737789	*591413*	*7574*	*17.8*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:33 AM	*9:30 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

DRO bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

Rest of bottles filled from:
15) Hose attached to industrial pump, then a new plastic cup

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
174AMI205DA11Q

Sampling Method:
industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 49

Weather Notes:
Overcast, had just rained a little

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
Joe with Warco Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/18/2005	*10:50 AM*	*2*	199	1.2	3	1.4	0	1.2	117	53	534	317
5/10/2006	*11:15 AM*	*2*	205	1.1	4	1.2	0	0	113	46	498	292
5/10/2006	*11:15 AM*	*2*	205	1.1	4	1.2	0	0	113	46	498	292
5/31/2007	*11:30 AM*	*2*	202	1	2	1.1	0	0	105	36	488	300
5/20/2008	*10:30 AM*	*2*	191	1	2	1.2	0	0	121	38	474	277
5/26/2009	*10:15 AM*	*2*	201	0	2	1.2	0	0	109	31	480	257
6/14/2010	*10:20 AM*	*2*	214	0	2	1	0	0	106	28	451	248
6/23/2011	*9:30 AM*	*2*	203	0	3	1.2	0	0	111	38	473	280

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/18/2005	*10:50 AM*								0
5/10/2006	*11:15 AM*								0
5/10/2006	*11:15 AM*								0
5/31/2007	*11:30 AM*								0
5/20/2008	*10:30 AM*	0	0						
5/26/2009	*10:15 AM*	0	0						
6/14/2010	*10:20 AM*	0	0						
6/23/2011	*9:30 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2005	*10:50 AM*	9.60		500	249
5/10/2006	*11:07 AM*	9.38	12.9	525	262
5/31/2007	*11:31 AM*	9.60	12.5	482	241
5/20/2008	*10:28 AM*	9.45	13.5	529	266
5/26/2009	*10:17 AM*	8.95	13.1	440	219
6/14/2010	*10:27 AM*	9.33	13	442	221
6/23/2011	*9:31 AM*	9.60	13.1	499	249

Water Level Data

	Water Level	*
5/20/2008		3
5/26/2009		3
6/14/2010		3
6/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI209 9/21/2011 *Field Data (2011 only)*

Arrival Time: *10:06 AM*

Well Name	Well Ownership Info.
Warbonnet 15-26	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*69*	*10:42 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:16 AM	*9.31*	*917*	*458*	*9.5*
10:19 AM	*9.51*	*868*	*434*	*9.7*
10:22 AM	*9.5*	*867*	*434*	*9.8*
10:25 AM	*9.44*	*867*	*433*	*9.9*
10:28 AM	*9.45*	*866*	*433*	*9.9*
10:31 AM	*9.41*	*869*	*434*	*9.9*
10:34 AM	*9.43*	*865*	*433*	*10*
10:37 AM	*9.47*	*869*	*435*	*9.9*
10:40 AM	*9.42*	*865*	*433*	*10*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709815	*608088*	*7348*	*17.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:42 AM	*10:35 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI209 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Water had a fowl odor. BTEX 8260 and 8021 will also be analyzed. Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/6/2005	*1:00 PM*	*1*	171	3.6	27	4.5	2.2	0.9	166	147	776	448
7/17/2006	*2:45 PM*	*1*	150	1.9	22	4.1	0	0.6	157	178	774	422
5/22/2007	*12:30 PM*	*1*	160	1.8	19	2.6	0.8	0.6	161	183	814	422
6/5/2008	*2:00 PM*	*1*	146	1.7	18	2.7	0	0	184	189	792	447
7/1/2008	*10:45 AM*	*1*	152	2.3	16	1.7	0	0	189	210	824	474
7/1/2008	*10:45 AM*	*1*	152	2.3	16	1.7	0	0	189	210	824	474
7/7/2009	*11:00 AM*	*1*	158	1	15	1.8	0	0	178	188	832	466
11/12/2009	*10:20 AM*	*2*	150	2	14	1	0	0	185	226	848	506
7/22/2010	*11:35 AM*	*2*	151	1	14	1	0	0	186	225	854	547
9/21/2011	*10:35 AM*	*2*	138	1	15	1	0	0	183	239	853	525

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/6/2005	*1:00 PM*								0
7/17/2006	*2:45 PM*								
5/22/2007	*12:30 PM*								0
6/5/2008	*2:00 PM*	**2**	**0.169**						
7/1/2008	*10:45 AM*	0	**0.311**	0	0	**2.2**	**0.52**	**85**	
7/1/2008	*10:45 AM*	0	**0.311**	0	0	**2.2**	**0.52**	**85**	
7/7/2009	*11:00 AM*	**1.3**	0	0	0	**1.5**	0	**1.8**	
11/12/2009	*10:20 AM*	0	0	0	0	0	0	0	
7/22/2010	*11:35 AM*	0	0	0	0	0	0	0	
9/21/2011	*10:35 AM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/6/2005	*1:50 PM*	9.80	13.1	839	423
7/17/2006	*2:50 PM*	9.80	15.2	841	422
5/22/2007	*12:50 PM*	10.04	9.4	856	428
6/5/2008	*2:00 PM*	10.23	11.4	888	444
7/1/2008	*11:30 AM*	9.38	15.3	896	528
7/7/2009	*11:18 AM*	9.58	18.3	750	374
11/12/2009	*10:16 AM*	9.16	9.7	819	409
7/22/2010	*11:34 AM*	9.33	10.6	828	414
9/21/2011	*10:40 AM*	9.42	10	865	433

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
7/6/2005	281.87	6
7/6/2005	282.10	5
7/17/2006	288.29	6
5/22/2007	294.91	6
6/5/2008	371.68	6
7/1/2008		3
7/7/2009	371.23	6
11/12/2009		3
7/22/2010		3
9/21/2011		3

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI211 10/12/2011 *Field Data (2011 only)*

Arrival Time: *10:32 AM*

Well Name	Well Ownership Info.
Gannett 11-16	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
8	*75*	*11:02 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:35 AM	*9.36*	*454*	*228*	*8.3*
10:38 AM	*9.39*	*454*	*228*	*8.5*
10:41 AM	*9.43*	*455*	*228*	*8.5*
10:44 AM	*9.46*	*456*	*228*	*8.5*
10:47 AM	*9.47*	*455*	*228*	*8.6*
10:50 AM	*9.46*	*454*	*227*	*8.6*
10:53 AM	*9.46*	*451*	*225*	*8.7*
10:56 AM	*9.44*	*450*	*226*	*8.7*
10:59 AM	*9.44*	*450*	*226*	*8.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742426	*591992*	*7236*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:02 AM	*11:00 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *285 AMI211 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 43

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Three, 1 liter glass bottles filled. Bottle labels were filled out later in the day - sample set was kept together in a larger plastic bag that was labeled in the field with sample ID, date and time. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/3/2005	*11:45 AM*	*2*	188	5.3	6	1.7	0.6	1	106	24	449	222
5/4/2007	*11:00 AM*	*1*	196	0.7	4	2.3	0	0	99.3	16	492	252
5/2/2008	*11:15 AM*	*1*	189	1.1	4	1.9	0	1.1	108	21	445	261
9/3/2009	*12:45 PM*	*1*	211	0	4	2	0	0	95	8	448	225
7/16/2010	*11:30 AM*	*1*	201	0	4	1.8	0	0	98	17	429	245
10/12/2011	*11:00 AM*	*2*	176	0	4	1.8	0	0	90	22	424	287

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/3/2005	*11:45 AM*								0
5/4/2007	*11:00 AM*								0
5/2/2008	*11:15 AM*	0	0						
9/3/2009	*12:45 PM*	0	0						
7/16/2010	*11:30 AM*	0	0						
10/12/2011	*11:00 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/3/2005	*11:44 AM*	9.45	9.7	448	224
5/4/2007	*11:00 AM*	10.39	8.5	512	256
5/2/2008	*11:05 AM*	10.13	9	470	243
9/3/2009	*12:35 PM*	9.53	14.1	415	207
7/16/2010	*12:00 PM*	9.92	18.6	434	217
10/12/2011	*10:59 AM*	9.44	8.8	450	226

Water Level Data

	Water Level	*
5/3/2005	139.90	5
5/4/2007	140.12	6
5/2/2008	139.88	6
9/3/2009	146.56	6
7/16/2010	146.73	6
10/12/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI214 10/5/2011 *Field Data (2011 only)*

Arrival Time: *12:52 PM*

Well Name	Well Ownership Info.
Warbonnet 12-9	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*200.3*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:25 PM	*9.53*	*2520*	*1260*	*9.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715224	*603988*	*7170*	*18.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:25 PM	*1:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
278 AMI214 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *450*

Sample Depth Actual (ft): *450*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes:
overcast, breezy

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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AMI214 11/1/2011 *Field Data (2011 only)*

Arrival Time: *11:06 AM*

Well Name	Well Ownership Info.
Warbonnet 12-9	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*200.4*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:40 PM	*9.85*	*2620*	*1310*	*6.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715222	*603993*	*7147*	*19.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:40 PM	*11:45 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
305 AMI214 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *450*

Sample Depth Actual (ft): *430*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 33

Weather Notes:
overcast, breezy

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Bailers did not go down well - they kept getting caught - there were two different spots in the rope that was tangled - probably lost approx 20 feet of sample depth due to entanglement.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/17/2005	*10:30 AM*	*1*	101	7	144	4.9	0	1.3	361	528	1640	1120
6/2/2006	*2:25 PM*	*2*	83	12.1	39	1.6	0	1.3	471	900	2160	1400
5/17/2007	*10:00 AM*	*2*	142	3.8	86	5.8	0	0.6	263	251	1220	666
5/28/2008	*10:00 AM*	*2*	81	17.4	26	1.2	0.5	1.2	600	1130	2500	1660
5/19/2009	*9:17 AM*	*2*	85	14	24	1.2	0	1	516	1080	2540	1760
6/15/2010	*1:30 PM*	*1*	120	4	34	3	0	1	520	901	2310	1520
7/26/2010	*1:00 PM*	*1*	136	6	31	2.6	0	1	528	922	2310	1550
10/5/2011	*1:20 PM*	*1*	102	7	31	2	0	1	516	965	2440	1600
11/1/2011	*11:45 AM*	*1*	124	3	30	1.9	0	1	549	936	2390	1590

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/17/2005	*10:30 AM*								0
6/2/2006	*2:25 PM*								
5/17/2007	*10:00 AM*								0
5/28/2008	*10:00 AM*	0	0						
5/19/2009	*9:17 AM*	0	0						
6/15/2010	*1:30 PM*	***15***	**0.28**						
7/26/2010	*1:00 PM*	***10***	**0.22**	0	0	**4.9**	**1.1**	**46**	
10/5/2011	*1:20 PM*	**9.1**	**0.068**						
11/1/2011	*11:45 AM*	**9.3**	**0.042**	0	0	0	0	**3**	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/17/2005	*10:35 AM*	8.84	11.4	1735	866
6/2/2006	*2:31 PM*	8.91	12.9	2300	1151
5/17/2007	*9:47 AM*	9.62	11.2	1168	583
5/28/2008	*9:59 AM*	8.95	11.1	2532	1302
5/19/2009	*9:21 AM*	8.70	11.6	2266	1131
6/15/2010	*1:30 PM*	10.09	12	2164	1082
7/26/2010	*12:57 PM*	9.82	14.3	2301	1151
10/5/2011	*1:25 PM*	9.53	9.3	2520	1260
11/1/2011	*12:40 PM*	9.85	6.5	2620	1310

Water Level Data

	Water Level	*
6/17/2005	197.88	6
6/17/2005	197.23	5
5/28/2008		3
5/19/2009		3
6/15/2010	202.06	6
7/26/2010		3
10/5/2011	200.30	5
11/1/2011	200.40	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI228 10/19/2011 *Field Data (2011 only)*

Arrival Time: *2:10 PM*

Well Name	Well Ownership Info.
Rainbow 16-30	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by a Newfield representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*348*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:57 PM	*9.2*	*924*	*462*	*10.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710038	*611869*	*7294*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:57 PM	*2:55 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
292 AMI228 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:
mostly clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
BTEX 8260 and 8021 will aslo be analyzed. Trip blank accompanying this sample set as well.

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Arrival Time: *2:50 PM*

Well Name	Well Ownership Info.
Rainbow 16-30	*Newfield*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by a Newfield representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*347.7*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:25 PM	*9.51*	*925*	*463*	*6.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710043	*611869*	*7333*	*17.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:25 PM	*3:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
326 AMI228 DA11 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *Nylon Rope*

Bailers Used: *See bailer notes*

Other Bailer Notes:
1 new double check valve bailer was used

Approximate Outside Temperature (F): 32

Weather Notes:
mostly cloudy, calm

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed. Metals filtered and preserved at the office at 4:10pm this day.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/13/2005	*12:15 PM*	*2*	106	2.5	13	1.8	0	0	191	257	925	600
5/9/2006	*1:10 PM*	*2*	111	2.4	14	0.2	0	0	186	276	899	536
4/23/2007	*12:30 PM*	*1*	104	2.1	18	2.2	0	0.5	181	284	951	556
6/26/2008	*11:00 AM*	*2*	117	2.7	15	1.6	0	0	204	282	905	541
6/29/2009	*1:20 PM*	*1*	110	2	14	2.4	0	0	191	261	891	581
10/1/2009	*1:15 PM*	*1*	107	2	15	3.4	0	0	187	257	866	576
7/1/2010	*12:00 PM*	*1*	137	2	15	2.1	0	0	192	249	869	500
10/27/2010	*1:35 PM*	*1*	146	2	14	2.1	0	0	186	237	882	527
10/19/2011	*2:55 PM*	*1*	127	2	15	1.7	0	0	174	247	864	524
11/22/2011	*3:30 PM*	*1*	126	2	15	1.8	0	0	190	242	897	564

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/13/2005	*12:15 PM*								0
5/9/2006	*1:10 PM*								0
4/23/2007	*12:30 PM*								
6/26/2008	*11:00 AM*	0	0						
6/29/2009	*1:20 PM*	**2.9**	0						
10/1/2009	*1:15 PM*	**1.4**	0	0	0	0	0	**4.9**	
7/1/2010	*12:00 PM*	0	0	0	0	0	0	**2.1**	
10/27/2010	*1:35 PM*	0	0	0	0	0	0	**4.2**	
10/19/2011	*2:55 PM*	0	**0.022**	0	0	0	0	**2.4**	
11/22/2011	*3:30 PM*	**4**	0	0	0	0	0	**1.6**	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/13/2005	*12:24 PM*	9.27	9.2	903	452
5/9/2006	*1:00 PM*	9.34	8.6	945	465
4/23/2007	*12:40 PM*	9.42	8.6	974	484
6/26/2008	*10:50 AM*	9.21	11.9	977	576
6/29/2009	*1:30 PM*	9.62	14.8	854	425
10/1/2009	*1:10 PM*	9.34	8.2	865	432
7/1/2010	*12:16 PM*	9.49	15.1	843	421
10/27/2010	*1:35 PM*	9.52	8.5	916	459
10/19/2011	*2:57 PM*	9.20	10.3	924	462
11/22/2011	*3:25 PM*	9.51	6.6	925	463

Water Level Data

	Water Level	*
6/13/2005	350.37	5
4/23/2007	352.30	5
6/26/2008		3
6/29/2009	353.75	6
10/1/2009	353.39	6
7/1/2010		3
8/24/2010	352.88	6
10/27/2010	350.00	5
10/19/2011	348.00	5
11/22/2011	347.70	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI236 6/1/2011 *Field Data (2011 only)*

Arrival Time: *12:00 PM*

Well Name	Well Ownership Info.
Nerd Farm Yard	*M&N, Nerd Gas*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *Well is located inside a shed*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:10 PM	*9.35*	*546*	*273*	*12.9*
12:13 PM	*9.38*	*545*	*272*	*11.4*
12:15 PM	*9.42*	*545*	*272*	*10.3*
12:18 PM	*9.43*	*546*	*274*	*10.1*
12:21 PM	*9.44*	*545*	*273*	*10.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726199	*597462*	*6990*	*18.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:28 PM	*12:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *03) SCCD hose attached to outside faucet*

DRO bottles filled from: *03) SCCD hose attached to outside faucet*

Rest of bottles filled from: *03) SCCD hose attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *152AMI236DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 68

Weather Notes: *Partly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Samples were collected from spigot between well & pressure tank. [Field parameters were also taken with the Hanna HI 991300 #2 field meter for comparability.]

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/6/2005	*12:35 PM*	*5*	234	1	0	2.1	0	0	123	19	519	296
6/6/2006	*1:50 PM*	*5*	248	0.9	3	0.2	0	0	126	18	522	311
4/27/2007	*11:15 AM*	*5*	250	0.7	2	2.6	0	0	134	20	553	282
5/5/2008	*11:49 AM*	*5*	245	1.3	2	2.2	0	0	139	23	529	298
6/25/2009	*1:30 PM*	*5*	251	0	2	2.1	0	0	119	16	521	305
9/20/2010	*5:05 PM*	*5*	271	0	2	2.1	0	0	130	17	516	306
6/1/2011	*12:30 PM*	*5*	257	0	2	2	0	0	132	19	505	305

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/6/2005	*12:35 PM*								0
6/6/2006	*1:50 PM*								
4/27/2007	*11:15 AM*								
5/5/2008	*11:49 AM*	0	0						
6/25/2009	*1:30 PM*	0	0						
9/20/2010	*5:05 PM*	0	0						
6/1/2011	*12:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/6/2005	*12:32 PM*	9.11	10.6	520	258
6/6/2006	*1:12 PM*	9.20	15.5	570	275
4/27/2007	*11:06 AM*	9.29	11.8	544	272
5/5/2008	*11:49 AM*	9.40	10.9	523	261
6/25/2009	*1:17 PM*	9.01	12.1	487	243
9/20/2010	*5:10 PM*	9.37	11.8	550	276
6/1/2011	*12:21 PM*	9.44	10.3	545	273

Water Level Data

	Water Level	*
5/5/2008		3
6/25/2009		3
9/20/2010		3
6/1/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI237 9/22/2011 *Field Data (2011 only)*

Arrival Time: *11:13 AM*

Well Name	Well Ownership Info.
Warbonnet 7-15	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
786	*843*	*11:40 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:21 AM	*9.45*	*488*	*245*	*10.5*
11:24 AM	*9.81*	*468*	*235*	*10.9*
11:27 AM	*9.79*	*468*	*235*	*11*
11:30 AM	*9.75*	*466*	*234*	*11.1*
11:33 AM	*9.74*	*469*	*234*	*11.1*
11:36 AM	*9.74*	*467*	*234*	*11.2*
11:39 AM	*9.72*	*468*	*234*	*11.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714185	*606790*	*7371*	*16.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:40 AM	*11:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *265 AMI237 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 62

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Travis with Premier Pumps also present.

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AMI237 10/27/2011 *Field Data (2011 only)*

Arrival Time: *8:58 AM*

Well Name	Well Ownership Info.
Warbonnet 7-15	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
847	*914*	*10:15 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:48 AM	*9.79*	*486*	*244*	*10.3*
9:51 AM	*9.8*	*463*	*232*	*10.8*
9:54 AM	*9.73*	*460*	*231*	*10.8*
9:57 AM	*9.74*	*461*	*231*	*10.8*
10:00 AM	*9.75*	*463*	*231*	*10.8*
10:03 AM	*9.77*	*463*	*231*	*10.8*
10:06 AM	*9.75*	*462*	*232*	*10.7*
10:09 AM	*9.74*	*461*	*231*	*10.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714188	*606789*	*7367*	*16.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:15 AM	*10:10 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:15 AM	*10:15 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *300 AMI237 DA11 U & 300 AMI237 DA11 U D*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 27

Weather Notes: *mostly clear, breezy*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

BTEX 8260 and 8021 will aslo be analyzed. Duplicate samples collected. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/12/2006	*3:40 PM*	*1*	196	0.7	10	4.3	0	0	101	0	450	246
6/1/2007	*9:30 AM*	*2*	206	1.6	9	4.4	0.6	0.8	98.3	0	463	210
6/25/2007	*11:00 AM*	*2*	207	0.8	10	5	0	0	101	0	461	252
7/24/2007	*10:30 AM*	*2*	179	0.6	44	6.9	0	0	118	3	511	246
5/29/2008	*12:00 PM*	*2*	194	0.7	8	4.4	0	0	114	1	443	359
7/29/2009	*11:50 AM*	*2*	206	0	8	4.6	0	0	104	0	450	248
11/12/2009	*11:15 AM*	*2*	218	0	9	4.4	0	0	99	0	437	208
7/22/2010	*9:55 AM*	*2*	215	0	8	4.4	0	0	99	0	436	267
12/8/2010	*12:35 PM*	*2*	208	0	9	4.6	0	0	96	0	432	268
9/22/2011	*11:40 AM*	*2*	201	0	9	4.4	0	0	102	0	438	260
10/27/2011	*10:10 AM*	*2*	184	0	9	4.2	0	0	105	0	434	257
10/27/2011	*10:15 AM*	*2*	188	0	9	4.3	0	0	106	0	434	270

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/12/2006	*3:40 PM*								
6/1/2007	*9:30 AM*		**0.696**	***85***	**2.4**	**18**	**2.5**	**95**	0
6/25/2007	*11:00 AM*		**0.648**	***77***	**2.4**	**18**	**2.4**	**92**	0
7/24/2007	*10:30 AM*		**0.265**	***34***	**1**	**7.5**	**1.1**	**37**	0
5/29/2008	*12:00 PM*	0	**0.761**						
7/29/2009	*11:50 AM*	0	**0.665**	***84***	**4**	**31**	**4**	**150**	
11/12/2009	*11:15 AM*	0	**0.65**	***79***	**4.2**	**32**	**4.3**	**140**	
7/22/2010	*9:55 AM*	0	**0.6**	***72***	**4.2**	**36**	**4**	**150**	
12/8/2010	*12:35 PM*	0	**0.73**	***76***	**4.5**	**34**	**4.4**	**160**	
9/22/2011	*11:40 AM*	0	**0.63**	***75***	**4.4**	**33**	**4**	**130**	
10/27/2011	*10:10 AM*	0	**0.62**	***74***	**3.8**	**29**	**3.5**	**140**	
10/27/2011	*10:15 AM*	0	**0.64**	***73***	**3.8**	**29**	**3.5**	**140**	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/12/2006	*3:25 PM*	9.82	15.2	475	236
6/1/2007	*9:31 AM*	9.90	11.3	465	232
6/25/2007	*11:07 AM*	9.79	13.4	454	240
7/24/2007	*10:21 AM*	9.67	13.5	528	289
5/29/2008	*11:55 AM*	9.82	12.2	473	227
7/29/2009	*11:48 AM*	9.56	11.4	449	224
11/12/2009	*11:10 AM*	9.41	10.8	426	213
7/22/2010	*9:56 AM*	9.54	11.7	423	212
12/8/2010	*12:28 PM*	9.75	10.9	453	226
9/22/2011	*11:39 AM*	9.72	11.2	468	234
10/27/2011	*10:09 AM*	9.74	10.9	461	231

Water Level Data

	Water Level	*
6/16/2005	333.00	5
7/12/2006	407.98	5
5/29/2008		3
7/29/2009		3
11/12/2009		3
7/22/2010		3
12/8/2010		3
9/22/2011		3
10/27/2011		3

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Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI238 9/8/2011 *Field Data (2011 only)*

Arrival Time: *1:34 PM*

Well Name	Well Ownership Info.
Mesa 12-17	*QEP*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:37 PM	*9.44*	*635*	*318*	*9.5*
1:40 PM	*9.42*	*616*	*308*	*12.3*
1:43 PM	*9.39*	*613*	*308*	*12.4*
1:46 PM	*9.35*	*605*	*303*	*12.6*
1:49 PM	*9.35*	*607*	*304*	*12.6*
1:52 PM	*9.34*	*614*	*308*	*12.7*
1:55 PM	*9.34*	*618*	*310*	*12.8*
1:58 PM	*9.35*	*623*	*312*	*12.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733273	*593480*	*7501*	*17*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:59 PM	*1:55 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:59 PM	*2:00 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

14) Hose attached to industrial pump

DRO bottles filled from:

14) Hose attached to industrial pump

Rest of bottles filled from:

14) Hose attached to industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

251 AMI238 DA11 Q & 251 AMI238 DA11 DQ

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes:

partly cloudy, slight breeze

SCCD Personnel Present

Delsa Allen	Sharon Harrell

Overall Field / Sample Notes

Duplicate samples collected. Richard w/Warco Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/29/2005	*1:55 PM*	*2*	190	1.4	8	0.7	0	0	116	63	548	350
8/28/2006	*11:45 AM*	*2*	196	1.3	6	1.3	0	0.7	127	70	573	288
8/9/2007	*12:10 PM*	*2*	193	1.3	9	1.2	0	0	128	79	574	330
9/18/2008	*12:48 PM*	*2*	184	1	9	0.9	0	0	125	84	538	331
8/24/2009	*3:35 PM*	*2*	216	0	5	1.6	0	0	119	46	524	326
8/18/2010	*10:55 AM*	*2*	195	1	9	1.2	0	0	145	110	625	373
9/8/2011	*1:55 PM*	*2*	163	1	11	0.8	0	0	147	119	623	377
9/8/2011	*2:00 PM*	*2*	164	1	11	0.8	0	0	151	118	622	376

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/29/2005	*1:55 PM*								0
8/28/2006	*11:45 AM*								
8/9/2007	*12:10 PM*								
9/18/2008	*12:48 PM*	0	0						
8/24/2009	*3:35 PM*	0	0						
8/18/2010	*10:55 AM*	0	0						
9/8/2011	*1:55 PM*	0	0						
9/8/2011	*2:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/29/2005	*1:45 PM*	9.33	12.8	567	290
8/28/2006	*11:42 AM*	9.31	14.5	576	282
8/9/2007	*12:07 PM*	9.32	12.8	592	330
9/18/2008	*12:47 PM*	9.32	14.1	552	347
8/24/2009	*3:36 PM*	9.09	14.1	457	233
8/18/2010	*10:57 AM*	9.37	14.2	669	334
9/8/2011	*1:58 PM*	9.35	12.8	623	312

Water Level Data

	Water Level	*
9/18/2008		3
8/24/2009		3
8/18/2010		3
9/8/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI239 6/23/2011 *Field Data (2011 only)*

Arrival Time: *10:40 AM*

Well Name	Well Ownership Info.
Mesa 15-20	*QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Well not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:46 AM	*9.16*	*559*	*280*	*14.6*
10:49 AM	*9.2*	*554*	*277*	*15*
10:52 AM	*9.23*	*554*	*277*	*15*
10:55 AM	*9.25*	*551*	*276*	*15.1*
10:58 AM	*9.26*	*557*	*278*	*15.1*
11:01 AM	*9.26*	*555*	*277*	*15.2*
11:04 AM	*9.26*	*554*	*277*	*15.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731289	*593637*	*7462*	*15.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:05 AM	*11:05 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

DRO bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

Rest of bottles filled from: *15) Hose attached to industrial pump, then a new plastic cup*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *174AMI239DA11Q*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes: *Overcast to clear, breezy, had just rained a little*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Hoses attached to well that samples were collected from are approximately 70 feet long total and consist of three different hoses. Joe with Warco Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/10/2006	*12:50 PM*	*2*	246	1.1	4	2.3	0	0	127	32	536	316
5/31/2007	*10:20 AM*	*2*	238	1.2	4	2.2	0	0.5	124	37	565	348
5/20/2008	*1:00 PM*	*2*	182	1.7	4	1.4	0	0	156	94	635	363
5/26/2009	*12:40 PM*	*2*	242	1	4	2.4	0	0	123	24	540	292
6/14/2010	*12:05 PM*	*2*	241	1	5	2.1	0	0	126	36	532	323
6/23/2011	*11:05 AM*	*2*	250	1	4	2.4	0	0	128	26	529	311

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/10/2006	*12:50 PM*								0
5/31/2007	*10:20 AM*								0
5/20/2008	*1:00 PM*	0	0						
5/26/2009	*12:40 PM*	0	0						
6/14/2010	*12:05 PM*	0	0						
6/23/2011	*11:05 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/10/2006	*12:51 PM*	9.16	13.1	598	299
5/31/2007	*10:20 AM*	9.25	14.5	553	277
5/20/2008	*12:56 PM*	9.34	14.3	660	330
5/26/2009	*12:42 PM*	9.01	15	495	247
6/14/2010	*12:02 PM*	9.14	14.7	515	258
6/23/2011	*11:04 AM*	9.26	15.2	554	277

Water Level Data

	Water Level	*
5/20/2008		3
5/26/2009		3
6/14/2010		3
6/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *10:22 AM*

Well Name	Well Ownership Info.
Stewart Point 6-17	*QEP*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Solinst Water Level Meter (1000 feet)	*196.1*

Pump Activity Upon Arrival? *NA*

Water Level Notes:

Water Level Meter Used	Water Level
Sonic Water Level Meter	*195.1*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:20 AM	*9.37*	*641*	*321*	*11.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*None*

Gas Alarm Notes: *meter is overdue for caliberation*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742748	*590021*	*7269*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*11:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *181AMI240DA11Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 63

Weather Notes: *Mostly sunny, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/20/2008	*9:45 AM*	*2*	208	1.6	5	2.6	0	0	154	85	612	353
5/26/2009	*9:15 AM*	*2*	219	1	4	2.3	0	0	144	73	626	354
6/29/2010	*11:45 AM*	*1*	222	2	5	2.4	0	0	129	77	586	359
7/23/2010	*11:15 AM*	*1*	227	2	5	2.4	0	0	144	79	610	364
6/30/2011	*11:15 AM*	*1*	223	2	6	2.3	0	0	150	99	645	371

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/20/2008	*9:45 AM*	0	0						
5/26/2009	*9:15 AM*	0	0						
6/29/2010	*11:45 AM*	0	**0.044**						
7/23/2010	*11:15 AM*	0	0	0	0	0	0	0	
6/30/2011	*11:15 AM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/20/2008	*9:48 AM*	9.16	11.3	640	319
5/26/2009	*9:27 AM*	8.59	10.9	565	282
6/29/2010	*11:47 AM*	9.51	16.1	558	279
7/23/2010	*11:15 AM*	9.22	16.5	600	299
6/30/2011	*11:20 AM*	9.37	11.8	641	321

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
5/20/2008		3
5/26/2009		3
6/29/2010	205.79	6
7/23/2010		3
6/30/2011	196.10	6
6/30/2011	195.10	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI242 9/21/2011 *Field Data (2011 only)*

Arrival Time: *8:20 AM*

Well Name	Well Ownership Info.
Warbonnet 8-25	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
811	*884*	*8:54 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
8:28 AM	*9.73*	*814*	*408*	*9.8*
8:31 AM	*9.73*	*675*	*337*	*11.6*
8:34 AM	*9.75*	*673*	*337*	*11.6*
8:37 AM	*9.76*	*672*	*336*	*11.8*
8:40 AM	*9.72*	*672*	*336*	*11.8*
8:43 AM	*9.73*	*672*	*336*	*11.8*
8:46 AM	*9.72*	*673*	*337*	*11.7*
8:49 AM	*9.71*	*669*	*335*	*11.8*
8:52 AM	*9.68*	*671*	*336*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*OL for LEL alarm*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710788	*610177*	*7295*	*13*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
8:54 AM	*8:50 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI242 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 45

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/1/2007	*10:20 AM*	*2*	98	1.1	24	6	0	0	138	140	694	344
6/5/2008	*12:20 PM*	*2*	93	1.5	24	6.2	0	0	154	162	666	395
5/19/2009	*11:30 AM*	*2*	98	1	24	6.3	0	0	137	161	652	427
6/7/2010	*10:20 AM*	*2*	101	1	24	6.1	0	0	140	159	679	393
9/21/2011	*8:50 AM*	*2*	92	1	24	6	0	0	136	159	662	378

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/1/2007	*10:20 AM*								0
6/5/2008	*12:20 PM*	0	0						
5/19/2009	*11:30 AM*	0	0						
6/7/2010	*10:20 AM*	0	0						
9/21/2011	*8:50 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/1/2007	*10:25 AM*	9.85	12	690	344
6/5/2008	*12:16 PM*	10.14	12.9	709	354
5/19/2009	*11:32 AM*	9.51	13.3	618	309
6/7/2010	*10:19 AM*	9.57	12.4	642	321
9/21/2011	*8:52 AM*	9.68	11.7	671	336

Water Level Data

	Water Level	*
6/5/2008		3
5/19/2009		3
6/7/2010		3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI248 9/21/2011 *Field Data (2011 only)*

Arrival Time: *1:32 PM*

Well Name	Well Ownership Info.
Boulder 12A-33	*Ultra*

Is Well Covered? *Industrial pump in place*

Well Locked ☐

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *yes, since 9:30 am this day*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
1051	*1127*	*1:48 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:33 PM	*9.41*	*731*	*363*	*10.2*
1:36 PM	*9.45*	*712*	*356*	*9.6*
1:39 PM	*9.45*	*714*	*357*	*9.5*
1:42 PM	*9.42*	*714*	*357*	*9.5*
1:45 PM	*9.42*	*713*	*357*	*9.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*OL for LEL alarm*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718327	*604198*	*7080*	*19.1*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:48 PM	*1:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI248 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Drilling rig on location. Three, 1 - liter glass bottles filled. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/16/2008	*12:10 PM*	*2*	158	2	85	8.9	0	0	158	12	649	352
9/16/2008	*12:15 PM*	*2*	160	1	87	8.9	0	0	152	12	649	359
7/29/2009	*1:20 PM*	*2*	152	1	118	9.8	0	0	160	0	723	400
9/21/2011	*1:45 PM*	*2*	149	1	114	9.6	0	0	151	0	702	367

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/16/2008	*12:10 PM*	0	0	0	0	0	0	0	
9/16/2008	*12:15 PM*	0	0	0	0	0	0	0	
7/29/2009	*1:20 PM*	0	0						
9/21/2011	*1:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/16/2008	*12:11 PM*	9.22	12.2	743	466
7/29/2009	*1:18 PM*	9.35	10.1	730	365
9/21/2011	*1:45 PM*	9.42	9.5	713	357

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
7/7/2005	122.85	6
5/8/2008		3
6/13/2008		3
9/16/2008		3
7/8/2009		3
7/14/2009	127.78	6
7/29/2009		3
9/21/2011		3

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI249 9/21/2011 *Field Data (2011 only)*

Arrival Time: *12:33 PM*

Well Name	Well Ownership Info.
Warbonnet 7-3	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
361	*419*	*1:03 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:40 PM	*9.49*	*532*	*266*	*9.8*
12:43 PM	*9.59*	*516*	*258*	*10.8*
12:46 PM	*9.61*	*513*	*257*	*11.6*
12:49 PM	*9.71*	*551*	*276*	*12.3*
12:52 PM	*9.66*	*527*	*263*	*12.8*
12:55 PM	*9.64*	*524*	*262*	*12.8*
12:58 PM	*9.63*	*521*	*260*	*12.8*
1:01 PM	*9.62*	*521*	*261*	*12.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717107	*606435*	*7237*	*18.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:03 PM	*1:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:03 PM	*1:05 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *264 AMI249 DA11 U & 264 AMI249 DA11 U D*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 60

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Water became aerated at 12:52. Duplicate sample collected. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/10/2006	*11:30 AM*	*1*	202	0.7	13	7.7	0	0	102	0	479	278
5/10/2007	*4:15 PM*	*2*	206	1	17	8.1	0	0	118	5	522	250
5/29/2008	*9:45 AM*	*2*	201	1.1	12	7.1	0	0	126	7	487	294
5/19/2009	*1:35 PM*	*2*	213	0	12	7.6	0	0	112	7	468	310
6/7/2010	*12:05 PM*	*2*	216	0	13	7.4	0	0	117	11	510	291
9/21/2011	*1:00 PM*	*2*	203	0	14	7.2	0	0	114	22	515	287
9/21/2011	*1:05 PM*	*2*	195	0	14	7.3	0	0	119	22	517	288

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/10/2006	*11:30 AM*								0
5/10/2007	*4:15 PM*								0
5/29/2008	*9:45 AM*	0	0						
5/19/2009	*1:35 PM*	0	0						
6/7/2010	*12:05 PM*	0	0						
9/21/2011	*1:00 PM*	0	0						
9/21/2011	*1:05 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/10/2006	*11:55 AM*	9.44	17.6	476	239
5/10/2007	*4:05 PM*	9.75	12.9	501	251
5/29/2008	*9:47 AM*	9.70	13.6	510	256
5/19/2009	*1:41 PM*	9.61	14.2	457	228
6/7/2010	*12:02 PM*	9.64	13.2	484	242
9/21/2011	*1:01 PM*	9.62	12.8	521	261

Water Level Data

	Water Level	*
7/10/2006	294.17	6
5/29/2008		3
9/15/2008	302.22	6
5/19/2009		3
6/7/2010		3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI250 10/14/2011 *Field Data (2011 only)*

Arrival Time: *9:49 AM*

Well Name	Well Ownership Info.
Boulder 1-32	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*82.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:30 AM	*8.28*	*2730*	*1360*	*8.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4719192	*603529*	*7047*	*17.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:30 AM	*10:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
287 AMI250 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *360*

Sample Depth Actual (ft): *360*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 47

Weather Notes:
mostly cloudy

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/1/2007	*12:30 PM*	*1*	216	21.3	19	0.4	0.6	1.3	571	979	2800	1790
6/1/2007	*12:45 PM*	*1*	216	21.2	20	0.4	0.6	1.4	571	964	2810	1770
5/28/2008	*12:00 PM*	*2*	208	25.5	21	0.4	0.8	1.4	646	1070	2640	1740
5/28/2008	*12:05 PM*	*2*	208	25	21	0.4	0.8	1.4	644	1090	2630	1730
11/12/2009	*12:50 PM*	*2*	234	22	18	0.4	0	1	616	1030	2570	1710
11/12/2009	*12:50 PM*	*2*	234	22	18	0.4	0	1	616	1030	2570	1710
7/22/2010	*2:00 PM*	*2*	237	20	19	0.4	0	1	597	1060	2540	1770
10/14/2011	*10:40 AM*	*1*	208	21	21	0.4	0	1	567	1010	2510	1690

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/1/2007	*12:30 PM*								0
6/1/2007	*12:45 PM*								0
5/28/2008	*12:00 PM*	0	0						
5/28/2008	*12:05 PM*	0	0						
11/12/2009	*12:50 PM*	0	0						
11/12/2009	*12:50 PM*	0	0						
7/22/2010	*2:00 PM*	0	0						
10/14/2011	*10:40 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/1/2007	*12:35 PM*	8.30	10.9	2845	1418
5/28/2008	*11:50 AM*	8.45	8.6	2816	1409
11/12/2009	*1:04 PM*	8.35	7.8	2528	1264
7/22/2010	*2:01 PM*	8.79	9.3	2518	1260
10/14/2011	*10:30 AM*	8.28	8.8	2730	1360

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
5/18/2007	100.10	5
6/1/2007	97.30	6
5/28/2008		3
11/12/2009		3
6/7/2010		3
7/22/2010		3
10/14/2011	82.20	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI254 10/19/2011 *Field Data (2011 only)*

Arrival Time: *11:28 AM*

Well Name	Well Ownership Info.
Jonah Field Office	*BP*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*138.8*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:33 AM	*9.49*	*577*		*12.3*
11:36 AM	*9.67*	*574*	*287*	*11.6*
11:39 AM	*9.74*	*574*	*286*	*11.6*
11:42 AM	*9.74*	*571*	*286*	*11.6*
11:45 AM	*9.76*	*571*	*286*	*11.6*
11:48 AM	*9.7*	*573*	*287*	*11.8*
11:51 AM	*9.75*	*573*	*286*	*11.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4701075	*617377*	*7149*	*17.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:53 AM	*11:50 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:53 AM	*11:55 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *see photos*

Sample Bottle Notes / Sample ID: *292 AMI254 DA11 B & 292 AMI254 DA11 B D*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 47

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

Duplicate samples collected. Don Brooks with BP also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/10/2007	*1:30 PM*	*5*	189	0	44	9.1	0	0	124	4	555	294
10/15/2008	*1:30 PM*	*5*	185	0	44	7.9	0	0	121	2	551	283
8/5/2009	*2:20 PM*	*5*	186	0	44	7.6	0	0	115	0	554	320
9/20/2010	*10:00 AM*	*5*	202	0	44	7.5	0	0	125	0	538	306
10/19/2011	*11:50 AM*	*5*	167	0	45	7.3	0	0	110	2	542	290
10/19/2011	*11:55 AM*	*5*	174	0	44	7.3	0	0	110	2	539	291

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/10/2007	*1:30 PM*								0
10/15/2008	*1:30 PM*	0	0						
8/5/2009	*2:20 PM*	0	0						
9/20/2010	*10:00 AM*	0	0						
10/19/2011	*11:50 AM*	0	0						
10/19/2011	*11:55 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/10/2007	*1:26 PM*	9.92	11.9	590	345
10/15/2008	*1:33 PM*	9.82	12.1	566	354
8/5/2009	*2:20 PM*	9.87	12.9	557	278
9/20/2010	*10:04 AM*	9.95	12	577	288
10/19/2011	*11:51 AM*	9.75	11.8	573	286

Water Level Data

	Water Level	*
10/15/2008	139.37	6
8/5/2009		3
9/20/2010	139.06	1
10/19/2011	138.80	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI258 10/25/2011 *Field Data (2011 only)*

Arrival Time: *11:21 AM*

Well Name	Well Ownership Info.
Riverside 11-25	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*64.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:17 PM	*9.33*	*1047*	*523*	*8.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4720080	*599661*	*7046*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:17 PM	*12:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
298 AMI258 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *432*

Sample Depth Actual (ft): *432*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 40

Weather Notes:
cloudy

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Carrie Hatch with Geomatrix was on location at the request of Shell to observe our sampling procedures.

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AMI258 11/23/2011 *Field Data (2011 only)*

Arrival Time: *12:33 PM*

Well Name	Well Ownership Info.
Riverside 11-25	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*63.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:18 PM	*9.15*	*1006*	*503*	*8.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4720080	*599659*	*6997*	*15.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:18 PM	*1:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
327 AMI258 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *432*

Sample Depth Actual (ft): *432*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 30

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed. Metals sample filtered and preserved at the office at 4:20pm this day.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/2/2006	*4:30 PM*	*1*	167	3.5	219	3.1	0	1	206	3	1010	506
9/27/2006	*2:15 PM*	*2*	177	1.5	131	8.1	0	0	169	0	778	402
8/29/2007	*12:10 PM*	*2*	183	1.9	138	8.7	0	0.6	188	2	835	432
9/5/2008	*11:15 AM*	*1*	184	2	92	9.3	0	0	155	3	705	365
10/17/2008	*2:45 PM*	*1*	180	3	120	7.1	0	0	187	15	826	445
9/2/2009	*12:15 PM*	*1*	181	2	153	7.1	0	0	181	2	864	476
12/18/2009	*11:30 AM*	*1*	178	2	184	6.7	0	0	192	2	925	463
7/26/2010	*5:40 PM*	*1*	175	2	196	6.4	0	0	197	1	960	715
10/27/2010	*11:45 AM*	*1*	170	2	181	6.6	0	0	202	0	957	538
10/25/2011	*12:00 PM*	*1*	154	2	186	6.2	0	1	180	3	945	518
11/23/2011	*1:15 PM*	*1*	155	2	185	6	0	0	200	2	990	527

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/2/2006	*4:30 PM*								0
9/27/2006	*2:15 PM*		0	0	0	0	0	0	0
8/29/2007	*12:10 PM*								
9/5/2008	*11:15 AM*	***24***	**0.906**	**0.9**	**16**	**110**	**44**	**50**	
10/17/2008	*2:45 PM*	0	**0.15**						
9/2/2009	*12:15 PM*	0	**0.058**	0	0	**2.6**	**1.1**	0	
12/18/2009	*11:30 AM*	**6**	**0.22**	0	**1.8**	**17**	**7**	**2**	
7/26/2010	*5:40 PM*	***10***	**0.25**	0	**1.7**	**19**	**9.1**	**2.2**	
10/27/2010	*11:45 AM*	***19***	**0.13**	0	0	**9.6**	**4.8**	**2.3**	
10/25/2011	*12:00 PM*	0	**0.026**	0	0	0	0	**1.4**	
11/23/2011	*1:15 PM*	0	0	0	0	0	0	0	

Cleanup levels used by WYDEQ: *1.1 or 10 mg/L* *7.3 mg/L* *5 ug/L* *700 ug/L* *10,000 ug/L* *10,000 ug/L* *1,000 ug/L*

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/2/2006	*4:30 PM*	9.00	12.5	1115	551
9/27/2006	*2:16 PM*	9.15	12.9	986	493
8/29/2007	*12:05 PM*	9.10	13.9	861	499
9/5/2008	*11:15 AM*	8.98	11.6	845	532
10/17/2008	*2:20 PM*	9.29	10.7	891	563
9/2/2009	*12:10 PM*	9.03	14.1	805	404
12/18/2009	*11:35 AM*	8.97	7.5	829	414
7/26/2010	*5:45 PM*	9.15	15.2	916	457
10/27/2010	*11:55 AM*	9.22	6.3	982	491
10/25/2011	*12:17 PM*	9.33	8.1	1047	523
11/23/2011	*1:18 PM*	9.15	8.4	1006	503

Water Level Data

	Water Level	*
6/2/2006	63.31	6
9/5/2008	56.49	6
10/17/2008		3
9/2/2009	65.59	6
12/18/2009		3
7/26/2010	64.33	6
10/27/2010	46.20	5
10/25/2011	64.20	5
11/23/2011	63.50	5

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Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI261 10/20/2011 *Field Data (2011 only)*

Arrival Time: *11:34 AM*

Well Name: *Riverside 4D-1D (also known as 5-1)*

Well Ownership Info.: *Ultra*

Is Well Covered?: *Other*

Well Locked ☐

Well Covering Notes: *plug in place upon arrival*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes: *well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:05 PM	9.26	539	269	12.8
12:08 PM	9.28	539	270	12.9
12:11 PM	9.19	540	270	12.6
12:14 PM	9.28	540	270	11.9
12:17 PM	9.2	540	270	11.7
12:20 PM	9.27	539	270	11.7
12:23 PM	9.29	541	271	11.6
12:26 PM	9.28	539	271	11.5
12:29 PM	9.3	540	270	11.5

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726698	599347	6963	14.6

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:31 PM	*12:31 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:25 PM	*12:30 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *08) Pipe coming directly from well*

DRO bottles filled from: *08) Pipe coming directly from well*

Rest of bottles filled from: *08) Pipe coming directly from well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *293 AMI261 DA11 U & 293 AMI261 DA11 U D*

Sampling Method: *other, non pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 52

Weather Notes: *clear, slight breeze*

SCCD Personnel Present: *Delsa Allen*

Overall Field / Sample Notes

Well is artesian, but was not flowing prior to my arrival due to a plug that was in place. Duplicate samples collected. Travis with Premier Pumps also present.

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Arrival Time: *1:50 PM*

Well Name	Well Ownership Info.
Riverside 4D-1D (also known as 5-1)	*Ultra*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes: *well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	8.64	670	335	8.8
2:03 PM	8.81	642	321	8.7
2:06 PM	9.11	641	321	8.8
2:09 PM	9.11	635	317	9.4
2:12 PM	9.14	637	319	9.5
2:15 PM	9.15	639	319	9.6
2:18 PM	9.17	638	318	9.8
2:21 PM	9.18	635	318	9.9
2:24 PM	9.2	635	318	10
2:27 PM	9.22	635	319	10.1
2:30 PM	9.2	636	318	10.1

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy

Unit Used	GPS Notes
None	*GPS taken earlier today*

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:32 PM	*2:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *see main notes*

Sample Bottle Notes / Sample ID: *361 AMI261 DA11 U*

Sampling Method: *other, non pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 31

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

Prior to my arrival, Premier Pumps flushed top of well casing by displacing 10 to 15 barrels of water using an air hose placed approximately 10 feet into well casing. BTEX 8021 and 8260 will also be analyzed. Samples were collected directly from the top of the well casing [not the side, but the center]. Metals sample was filtered and preserved back at the office at 3:15pm this day. Travis & Jeff with Premier Pumps also present.

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Arrival Time: *9:06 AM*

Well Name	Well Ownership Info.
Riverside 4D-1D (also known as 5-1)	*Ultra*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	8.64	670	335	8.8
2:03 PM	8.81	642	321	8.7
2:06 PM	9.11	641	321	8.8
2:09 PM	9.11	635	317	9.4
2:12 PM	9.14	637	319	9.5
2:15 PM	9.15	639	319	9.6
2:18 PM	9.17	638	318	9.8
2:21 PM	9.18	635	318	9.9
2:24 PM	9.2	635	318	10
2:27 PM	9.22	635	319	10.1
2:30 PM	9.2	636	318	10.1

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726695	*599347*	*6955*	*14.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 11

Weather Notes:

mostly cloudy, calm

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

No samples collected, Travis with Premier Pumps couldn't make it this morning - will have to come back later.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2006	*11:45 AM*	*1*	276	1.1	3	3.1	0	1	134	14	618	332
5/7/2007	*11:00 AM*	*6*	294	0.7	2	3.9	0	0	150	18	641	350
6/8/2007	*12:33 PM*	*6*	300	1	2	3.1	0	0	153	19	634	350
5/5/2008	*10:25 AM*	*6*	293	0.9	2	3.1	0	0.5	156	8	601	328
5/20/2009	*11:40 PM*	*2*	291	0	2	3	0	0	144	16	564	361
12/8/2010	*9:50 AM*	*6*	299	1	2	3	0	0	136	20	578	354
10/20/2011	*12:25 PM*	*6*	268	0	2	3	0	0	133	16	580	325
10/20/2011	*12:30 PM*	*6*	270	0	2	3	0	0	132	16	580	341
12/27/2011	*2:30 PM*	*6*	268	0	3	3	0	0	145	20	592	348

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2006	*11:45 AM*								0
5/7/2007	*11:00 AM*		0	**0.51**	0	0	0	0	0
6/8/2007	*12:33 PM*		0	0	0	0	0	0	0
5/5/2008	*10:25 AM*	0	0						
5/20/2009	*11:40 PM*	0	0	0	0	0	0	0	
12/8/2010	*9:50 AM*	0	0	0	0	0	0	0	
10/20/2011	*12:25 PM*	0	0	0	0	0	0	0	
10/20/2011	*12:30 PM*	0	0	0	0	0	0	0	
12/27/2011	*2:30 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2006	*11:34 AM*	9.72	15	650	325
5/7/2007	*11:12 AM*	9.46	10	633	316
6/8/2007	*12:33 PM*	9.50	11.6	634	316
5/5/2008	*10:25 AM*	9.66	11.7	618	309
5/20/2009	*11:48 AM*	9.02	12	542	271
12/8/2010	*9:48 AM*	9.12	10.3	606	303
10/20/2011	*12:29 PM*	9.30	11.5	540	270
12/27/2011	*2:30 PM*	9.20	10.1	636	318

Water Level Data

	Water Level	*
7/13/2006	2.98	6
5/7/2007	0.00	3
6/8/2007	0.00	3
5/5/2008	0.00	3
5/20/2009		3
12/8/2010	0.00	3
10/20/2011		3
12/27/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

AMI261 ***Historical Results*** *Well Name: Riverside 4D-1D (also known as 5-1)*

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2006	*11:45 AM*	*1*	276	1.1	3	3.1	0	1	134	14	618	332
5/7/2007	*11:00 AM*	*6*	294	0.7	2	3.9	0	0	150	18	641	350
6/8/2007	*12:33 PM*	*6*	300	1	2	3.1	0	0	153	19	634	350
5/5/2008	*10:25 AM*	*6*	293	0.9	2	3.1	0	0.5	156	8	601	328
5/20/2009	*11:40 PM*	*2*	291	0	2	3	0	0	144	16	564	361
12/8/2010	*9:50 AM*	*6*	299	1	2	3	0	0	136	20	578	354
10/20/2011	*12:25 PM*	*6*	268	0	2	3	0	0	133	16	580	325
10/20/2011	*12:30 PM*	*6*	270	0	2	3	0	0	132	16	580	341
12/27/2011	*2:30 PM*	*6*	268	0	3	3	0	0	145	20	592	348

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2006	*11:45 AM*								0
5/7/2007	*11:00 AM*		0	**0.51**	0	0	0	0	0
6/8/2007	*12:33 PM*		0	0	0	0	0	0	0
5/5/2008	*10:25 AM*	0	0						
5/20/2009	*11:40 PM*	0	0	0	0	0	0	0	
12/8/2010	*9:50 AM*	0	0	0	0	0	0	0	
10/20/2011	*12:25 PM*	0	0	0	0	0	0	0	
10/20/2011	*12:30 PM*	0	0	0	0	0	0	0	
12/27/2011	*2:30 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2006	*11:34 AM*	9.72	15	650	325
5/7/2007	*11:12 AM*	9.46	10	633	316
6/8/2007	*12:33 PM*	9.50	11.6	634	316
5/5/2008	*10:25 AM*	9.66	11.7	618	309
5/20/2009	*11:48 AM*	9.02	12	542	271
12/8/2010	*9:48 AM*	9.12	10.3	606	303
10/20/2011	*12:29 PM*	9.30	11.5	540	270
12/27/2011	*2:30 PM*	9.20	10.1	636	318

Water Level Data

	Water Level	*
7/13/2006	2.98	6
5/7/2007	0.00	3
6/8/2007	0.00	3
5/5/2008	0.00	3
5/20/2009		3
12/8/2010	0.00	3
10/20/2011		3
12/27/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI261 10/20/2011 *Field Data (2011 only)*

Arrival Time: *11:34 AM*

Well Name
Riverside 4D-1D (also known as 5-1)

Well Ownership Info.
Ultra

Is Well Covered?
Other

Well Locked ☐

Well Covering Notes:
plug in place upon arrival

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes:
well is artesian

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:05 PM	9.26	539	269	12.8
12:08 PM	9.28	539	270	12.9
12:11 PM	9.19	540	270	12.6
12:14 PM	9.28	540	270	11.9
12:17 PM	9.2	540	270	11.7
12:20 PM	9.27	539	270	11.7
12:23 PM	9.29	541	271	11.6
12:26 PM	9.28	539	271	11.5
12:29 PM	9.3	540	270	11.5

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726698	599347	6963	14.6

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:31 PM	*12:31 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:25 PM	*12:30 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
08) Pipe coming directly from well

DRO bottles filled from:
08) Pipe coming directly from well

Rest of bottles filled from:
08) Pipe coming directly from well

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
293 AMI261 DA11 U & 293 AMI261 DA11 U D

Sampling Method:
other, non pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 52

Weather Notes:
clear, slight breeze

SCCD Personnel Present
Delsa Allen

Overall Field / Sample Notes
Well is artesian, but was not flowing prior to my arrival due to a plug that was in place. Duplicate samples collected. Travis with Premier Pumps also present.

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Arrival Time: *1:50 PM*

Well Name	Well Ownership Info.
Riverside 4D-1D (also known as 5-1)	*Ultra*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes: *well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	8.64	670	335	8.8
2:03 PM	8.81	642	321	8.7
2:06 PM	9.11	641	321	8.8
2:09 PM	9.11	635	317	9.4
2:12 PM	9.14	637	319	9.5
2:15 PM	9.15	639	319	9.6
2:18 PM	9.17	638	318	9.8
2:21 PM	9.18	635	318	9.9
2:24 PM	9.2	635	318	10
2:27 PM	9.22	635	319	10.1
2:30 PM	9.2	636	318	10.1

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy

Unit Used	GPS Notes
None	*GPS taken earlier today*

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:32 PM	*2:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *see main notes*

Sample Bottle Notes / Sample ID: *361 AMI261 DA11 U*

Sampling Method: *other, non pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 31

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

Prior to my arrival, Premier Pumps flushed top of well casing by displacing 10 to 15 barrels of water using an air hose placed approximately 10 feet into well casing. BTEX 8021 and 8260 will also be analyzed. Samples were collected directly from the top of the well casing [not the side, but the center]. Metals sample was filtered and preserved back at the office at 3:15pm this day. Travis & Jeff with Premier Pumps also present.

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AMI261 12/27/2011 *Field Data (2011 only)*

Arrival Time: *9:06 AM*

Well Name	Well Ownership Info.
Riverside 4D-1D (also known as 5-1)	*Ultra*

Is Well Covered? *Metal cap/covering*

Well Locked ☑

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	8.64	670	335	8.8
2:03 PM	8.81	642	321	8.7
2:06 PM	9.11	641	321	8.8
2:09 PM	9.11	635	317	9.4
2:12 PM	9.14	637	319	9.5
2:15 PM	9.15	639	319	9.6
2:18 PM	9.17	638	318	9.8
2:21 PM	9.18	635	318	9.9
2:24 PM	9.2	635	318	10
2:27 PM	9.22	635	319	10.1
2:30 PM	9.2	636	318	10.1

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726695	*599347*	*6955*	*14.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 11

Weather Notes:

mostly cloudy, calm

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

No samples collected, Travis with Premier Pumps couldn't make it this morning - will have to come back later.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2006	*11:45 AM*	*1*	276	1.1	3	3.1	0	1	134	14	618	332
5/7/2007	*11:00 AM*	*6*	294	0.7	2	3.9	0	0	150	18	641	350
6/8/2007	*12:33 PM*	*6*	300	1	2	3.1	0	0	153	19	634	350
5/5/2008	*10:25 AM*	*6*	293	0.9	2	3.1	0	0.5	156	8	601	328
5/20/2009	*11:40 PM*	*2*	291	0	2	3	0	0	144	16	564	361
12/8/2010	*9:50 AM*	*6*	299	1	2	3	0	0	136	20	578	354
10/20/2011	*12:25 PM*	*6*	268	0	2	3	0	0	133	16	580	325
10/20/2011	*12:30 PM*	*6*	270	0	2	3	0	0	132	16	580	341
12/27/2011	*2:30 PM*	*6*	268	0	3	3	0	0	145	20	592	348

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2006	*11:45 AM*								0
5/7/2007	*11:00 AM*		0	**0.51**	0	0	0	0	0
6/8/2007	*12:33 PM*		0	0	0	0	0	0	0
5/5/2008	*10:25 AM*	0	0						
5/20/2009	*11:40 PM*	0	0	0	0	0	0	0	
12/8/2010	*9:50 AM*	0	0	0	0	0	0	0	
10/20/2011	*12:25 PM*	0	0	0	0	0	0	0	
10/20/2011	*12:30 PM*	0	0	0	0	0	0	0	
12/27/2011	*2:30 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2006	*11:34 AM*	9.72	15	650	325
5/7/2007	*11:12 AM*	9.46	10	633	316
6/8/2007	*12:33 PM*	9.50	11.6	634	316
5/5/2008	*10:25 AM*	9.66	11.7	618	309
5/20/2009	*11:48 AM*	9.02	12	542	271
12/8/2010	*9:48 AM*	9.12	10.3	606	303
10/20/2011	*12:29 PM*	9.30	11.5	540	270
12/27/2011	*2:30 PM*	9.20	10.1	636	318

Water Level Data

	Water Level	*
7/13/2006	2.98	6
5/7/2007	0.00	3
6/8/2007	0.00	3
5/5/2008	0.00	3
5/20/2009		3
12/8/2010	0.00	3
10/20/2011		3
12/27/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

AMI261 ***Historical Results*** *Well Name: Riverside 4D-1D (also known as 5-1)*

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2006	*11:45 AM*	*1*	276	1.1	3	3.1	0	1	134	14	618	332
5/7/2007	*11:00 AM*	*6*	294	0.7	2	3.9	0	0	150	18	641	350
6/8/2007	*12:33 PM*	*6*	300	1	2	3.1	0	0	153	19	634	350
5/5/2008	*10:25 AM*	*6*	293	0.9	2	3.1	0	0.5	156	8	601	328
5/20/2009	*11:40 PM*	*2*	291	0	2	3	0	0	144	16	564	361
12/8/2010	*9:50 AM*	*6*	299	1	2	3	0	0	136	20	578	354
10/20/2011	*12:25 PM*	*6*	268	0	2	3	0	0	133	16	580	325
10/20/2011	*12:30 PM*	*6*	270	0	2	3	0	0	132	16	580	341
12/27/2011	*2:30 PM*	*6*	268	0	3	3	0	0	145	20	592	348

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2006	*11:45 AM*								0
5/7/2007	*11:00 AM*		0	**0.51**	0	0	0	0	0
6/8/2007	*12:33 PM*		0	0	0	0	0	0	0
5/5/2008	*10:25 AM*	0	0						
5/20/2009	*11:40 PM*	0	0	0	0	0	0	0	
12/8/2010	*9:50 AM*	0	0	0	0	0	0	0	
10/20/2011	*12:25 PM*	0	0	0	0	0	0	0	
10/20/2011	*12:30 PM*	0	0	0	0	0	0	0	
12/27/2011	*2:30 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2006	*11:34 AM*	9.72	15	650	325
5/7/2007	*11:12 AM*	9.46	10	633	316
6/8/2007	*12:33 PM*	9.50	11.6	634	316
5/5/2008	*10:25 AM*	9.66	11.7	618	309
5/20/2009	*11:48 AM*	9.02	12	542	271
12/8/2010	*9:48 AM*	9.12	10.3	606	303
10/20/2011	*12:29 PM*	9.30	11.5	540	270
12/27/2011	*2:30 PM*	9.20	10.1	636	318

Water Level Data

	Water Level	*
7/13/2006	2.98	6
5/7/2007	0.00	3
6/8/2007	0.00	3
5/5/2008	0.00	3
5/20/2009		3
12/8/2010	0.00	3
10/20/2011		3
12/27/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *12:25 PM*

Well Name	Well Ownership Info.
2 Buttes 16-15	*Anschutz*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*279.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:05 PM	*9.38*	*789*	*395*	*7.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732661	*596943*	*7275*	*17.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:05 PM	*1:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
299 AMI270 DA11

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 31

Weather Notes:
mostly clear, slight breeze

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/19/2006	*2:15 PM*	*1*	185	2.3	11	0.5	0	0	150	154	705	442
11/9/2006	*4:45 PM*	*1*	169	2.3	11	0.5	0	0.5	159	156	747	420
10/17/2007	*11:40 AM*	*1*	182	1.8	7	0.5	0	0.5	158	137	734	444
8/14/2008	*4:30 PM*	*1*	184	2	6	0.4	0	0	159	159	714	420
11/3/2009	*2:30 PM*	*1*	203	2	8	0.7	0	0	157	136	698	402
9/28/2010	*3:05 PM*	*1*	201	2	7	0.4	0	0	157	149	702	445
10/26/2011	*1:15 PM*	*1*	171	1	7	0.4	0	0	161	149	709	440

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/19/2006	*2:15 PM*								0
11/9/2006	*4:45 PM*		0	0	0	0	0	**1.6**	
10/17/2007	*11:40 AM*								0
8/14/2008	*4:30 PM*	0	0						
11/3/2009	*2:30 PM*	0	0	0	0	0	0	0	
9/28/2010	*3:05 PM*	0	0	0	0	0	0	0	
10/26/2011	*1:15 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/19/2006	*2:05 PM*	9.26	12.2	783	390
11/9/2006	*3:55 PM*	9.58	7.9	764	380
10/17/2007	*11:34 AM*	9.22	8.6	753	446
8/14/2008	*4:20 PM*	8.76	13.7	705	436
11/3/2009	*2:35 PM*	9.51	9.4	680	340
9/28/2010	*3:07 PM*	9.36	14.6	720	361
10/26/2011	*1:05 PM*	9.38	7.1	789	395

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
9/19/2006	275.96	6
11/9/2006	274.90	5
10/17/2007	274.59	6
8/14/2008	277.45	6
11/3/2009	274.80	6
9/28/2010	279.25	6
9/28/2010	277.70	5
10/26/2011	279.50	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI274 10/14/2011 *Field Data (2011 only)*

Arrival Time: *11:05 AM*

Well Name	Well Ownership Info.
Riverside 7-13	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*39.8*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:10 PM	*9.15*	*573*	*287*	*13.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4723670	*600101*	*7012*	*17.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:10 PM	*12:10 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
287 AMI274 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *728*

Sample Depth Actual (ft): *728*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:
mostly clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/18/2007	*11:45 AM*	*2*	236	0.8	19	8.6	0	0	137	2	539	278
5/28/2008	*1:30 PM*	*2*	220	1.3	18	8.9	0	0	145	15	553	315
7/15/2009	*2:30 PM*	*1*	233	1	18	8.9	0	0	134	6	564	329
6/15/2010	*3:10 PM*	*1*	253	0	19	8.9	0	0	132	3	559	321
10/14/2011	*12:10 PM*	*1*	220	1	19	9.1	0	0	128	14	551	309

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/18/2007	*11:45 AM*								0
5/28/2008	*1:30 PM*	0	0						
7/15/2009	*2:30 PM*	0	0						
6/15/2010	*3:10 PM*	0	0						
10/14/2011	*12:10 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2007	*11:44 AM*	9.44	14.3	551	275
5/28/2008	*1:20 PM*	9.51	14.1	580	289
7/15/2009	*2:30 PM*	9.18	14.8	508	253
6/15/2010	*3:16 PM*	9.48	14.9	546	273
10/14/2011	*12:10 PM*	9.15	13.3	573	287

Water Level Data

	Water Level	*
5/28/2008		3
9/15/2008	42.50	6
7/15/2009	42.80	6
6/15/2010	49.14	6
10/14/2011	39.80	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI276 9/28/2011 *Field Data (2011 only)*

Arrival Time: *11:24 AM*

Well Name	Well Ownership Info.
Riverside 4D-2D	*Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*74*	*12:07 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:44 AM	*9.47*	*531*	*265*	*11.8*
11:47 AM	*9.46*	*529*	*266*	*11.5*
11:50 AM	*9.38*	*530*	*265*	*11.5*
11:53 AM	*9.42*	*530*	*265*	*11.5*
11:56 AM	*9.34*	*528*	*264*	*11.5*
11:59 AM	*9.39*	*530*	*265*	*11.5*
12:02 PM	*9.41*	*529*	*265*	*11.5*
12:05 PM	*9.37*	*528*	*265*	*11.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *access is too small for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727139	*597727*	*7026*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:07 PM	*12:05 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI276 DA11 U*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 70

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept all together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/11/2007	*11:45 AM*	*1*	244	1.5	5	1.9	0.6	0.8	127	15	541	312
5/8/2008	*12:30 PM*	*1*	239	3	2	1.8	1	0.8	133	20	509	284
8/3/2009	*11:50 AM*	*2*	248	0	3	1.8	0	0	119	13	531	313
6/16/2010	*11:50 AM*	*2*	258	0	3	1.8	0	0	126	13	499	294
9/28/2011	*12:05 PM*	*2*	233	1	3	1.5	0	0	122	14	496	284

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/11/2007	*11:45 AM*								0
5/8/2008	*12:30 PM*	0	0						
8/3/2009	*11:50 AM*	0	0						
6/16/2010	*11:50 AM*	0	0						
9/28/2011	*12:05 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/11/2007	*11:24 AM*	9.33	17.5	517	254
5/8/2008	*12:30 PM*	9.34	10.1	535	267
8/3/2009	*11:51 AM*	9.04	11.7	444	221
6/16/2010	*11:54 AM*	9.29	11.5	485	242
9/28/2011	*12:05 PM*	9.37	11.5	528	265

Water Level Data

	Water Level	*
5/11/2007	66.31	6
5/8/2008	67.33	6
8/3/2009		3
6/16/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI280 9/22/2011 *Field Data (2011 only)*

Arrival Time: *1:11 PM*

Well Name	Well Ownership Info.
Boulder 14-32	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*75*	*1:47 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:22 PM	*9.5*	*1003*	*503*	*9.7*
1:25 PM	*9.5*	*952*	*475*	*11*
1:28 PM	*9.43*	*941*	*471*	*11.2*
1:31 PM	*9.42*	*944*	*471*	*11.2*
1:34 PM	*9.42*	*942*	*471*	*11.3*
1:37 PM	*9.41*	*942*	*470*	*11.3*
1:40 PM	*9.41*	*945*	*472*	*11.3*
1:43 PM	*9.39*	*944*	*471*	*11.3*
1:46 PM	*9.4*	*943*	*471*	*11.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718052	*602878*	*7078*	*16.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:47 PM	*1:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *265 AMI280 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 71

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/18/2007	*9:30 AM*	*2*	158	1.2	125	10.5	0	0	179	3	800	382
5/18/2007	*9:35 AM*	*2*	158	1.2	132	10.5	0	0.5	181	3	795	386
5/28/2008	*12:30 PM*	*2*	147	1.4	128	10.6	0	0	180	3	760	405
5/19/2009	*2:15 PM*	*2*	150	1	172	11.4	0	0	174	3	875	488
5/19/2009	*2:20 PM*	*2*	150	1	170	11.4	0	0	180	3	874	492
6/7/2010	*12:55 PM*	*2*	154	2	175	11.3	0	0	193	3	916	502
9/22/2011	*1:40 PM*	*2*	139	2	179	11.2	0	0	183	4	901	480

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/18/2007	*9:30 AM*								0
5/18/2007	*9:35 AM*								0
5/28/2008	*12:30 PM*	0	0						
5/19/2009	*2:15 PM*	0	0						
5/19/2009	*2:20 PM*	0	0						
6/7/2010	*12:55 PM*	0	0						
9/22/2011	*1:40 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2007	*9:40 AM*	9.52	12	823	411
5/28/2008	*12:30 PM*	9.56	11.5	797	399
5/19/2009	*2:25 PM*	9.32	12.2	817	408
6/7/2010	*12:56 PM*	9.10	11.7	873	436
9/22/2011	*1:46 PM*	9.40	11.3	943	471

Water Level Data

	Water Level	*
5/28/2008		3
5/19/2009		3
6/7/2010		3
9/22/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI283 9/28/2011 *Field Data (2011 only)*

Arrival Time: *3:53 PM*

Well Name	Well Ownership Info.
Riverside 11-34	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*81*	*4:32 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
4:06 PM	*9.7*	*714*	*357*	*12.1*
4:09 PM	*9.02*	*723*	*361*	*16.1*
4:12 PM	*9.03*	*717*	*359*	*16.4*
4:15 PM	*9.05*	*720*	*360*	*16.5*
4:18 PM	*9.04*	*719*	*361*	*16.5*
4:21 PM	*9.03*	*719*	*360*	*16.6*
4:24 PM	*9.04*	*720*	*360*	*16.6*
4:27 PM	*9.01*	*722*	*361*	*16.6*
4:30 PM	*9*	*721*	*361*	*16.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728083	*596203*	*7163*	*14.1*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:32 PM	*4:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI283 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *clear, breezy*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/17/2008	*1:00 PM*	*1*	246	2	3	2.6	0	0	152	82	644	362
8/3/2009	*12:45 PM*	*2*	280	1	3	3	0	0	143	37	639	390
8/3/2010	*12:15 PM*	*2*	306	2	4	3	0	0	158	56	664	373
9/28/2011	*4:30 PM*	*2*	280	2	5	3.1	0	0	169	60	687	406

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/17/2008	*1:00 PM*	0	0						
8/3/2009	*12:45 PM*	0	0						
8/3/2010	*12:15 PM*	0	0						
9/28/2011	*4:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/17/2008	*1:00 PM*	9.13	11.2	685	430
8/3/2009	*12:44 PM*	8.95	17.6	626	313
8/3/2010	*12:14 PM*	9.09	17	639	319
9/28/2011	*4:30 PM*	9.00	16.6	721	361

Water Level Data

	Water Level	*
10/17/2008	220.39	6
8/3/2009		3
8/3/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI284 9/28/2011 *Field Data (2011 only)*

Arrival Time: *12:22 PM*

Well Name	Well Ownership Info.
Riverside 11-35	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
7089	*7157*	*12:20 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:26 PM	*9.05*	*679*	*341*	*14.5*
12:29 PM	*9.08*	*633*	*317*	*16*
12:32 PM	*9.11*	*629*	*315*	*16.1*
12:35 PM	*9.04*	*631*	*316*	*16.2*
12:38 PM	*9.04*	*631*	*316*	*16.2*
12:41 PM	*9.01*	*631*	*316*	*16.2*
12:44 PM	*9.01*	*632*	*316*	*16.3*
12:47 PM	*8.94*	*632*	*315*	*16.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727799	*597618*	*7034*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:50 PM	*12:50 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI284 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 76

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept all together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/29/2008	*9:47 AM*	*2*	274	1	5	4.5	0	0	160	40	619	356
8/29/2008	*9:55 AM*	*2*	276	2	6	4.5	0	0	168	41	618	382
8/3/2009	*11:30 AM*	*2*	283	1	7	5.4	0	0	153	19	626	385
8/3/2010	*11:20 AM*	*2*	299	1	8	5.2	0	0	144	22	599	330
9/28/2011	*12:50 PM*	*2*	267	1	8	4.5	0	0	147	23	602	348

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/29/2008	*9:47 AM*	0	0						
8/29/2008	*9:55 AM*	0	0						
8/3/2009	*11:30 AM*	0	0						
8/3/2010	*11:20 AM*	0	0						
9/28/2011	*12:50 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/29/2008	*9:47 AM*	9.14	16.9	717	450
8/3/2009	*11:27 AM*	8.69	16.2	516	258
8/3/2010	*11:31 AM*	9.20	15.7	580	290
9/28/2011	*12:47 PM*	8.94	16.4	632	315

Water Level Data

	Water Level	*
8/29/2008		3
8/3/2009		3
8/3/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI285 **10/5/2011** ***Field Data (2011 only)***

Arrival Time: *2:05 PM*

Well Name	Well Ownership Info.
Warbonnet 7-5	*Shell*

Is Well Covered? *Metal cap/covering*

Well Locked ☑

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717184	*603231*	*7090*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

We don't have a sample depth with us today - we will have to come back after we gather the needed well information to determine the sample depth.

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AMI285 10/13/2011 *Field Data (2011 only)*

Arrival Time: *1:50 PM*

Well Name	Well Ownership Info.
Warbonnet 7-5	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*138.9*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:38 PM	*9.23*	*955*	*474*	*11.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717184	*603233*	*7091*	*20.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:38 PM	*2:35 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *10) Bailer, then a new plastic cup*

DRO bottles filled from: *09) Bailer*

Rest of bottles filled from: *09) Bailer*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *286 AMI285 DA11 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *630*

Sample Depth Actual (ft): *639*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 56

Weather Notes: *mostly cloudy*

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/18/2007	*10:25 AM*	*2*	164	1.7	129	9.3	0	0.5	190	19	843	408
5/28/2008	*9:30 AM*	*2*	157	1.5	121	9.4	0	0	180	11	754	416
7/29/2009	*10:35 AM*	*2*	144	1	167	10.4	0	0	192	5	893	632
6/16/2010	*2:10 PM*	*2*	160	1	153	10.2	0	0	182	2	823	461
10/13/2011	*2:35 PM*	*1*	130	2	191	10.5	0	0	195	4	919	477

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/18/2007	*10:25 AM*								0
5/28/2008	*9:30 AM*	0	**0.045**						
7/29/2009	*10:35 AM*	0	0	0	0	0	0	0	
6/16/2010	*2:10 PM*	0	**0.13**	***7.6***	0	0	0	**5.8**	
10/13/2011	*2:35 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2007	*10:27 AM*	9.55	10.9	863	430
5/28/2008	*9:16 AM*	9.31	11.1	774	385
7/29/2009	*10:27 AM*	9.22	11.5	886	443
6/16/2010	*2:11 PM*	9.34	11.3	799	399
10/13/2011	*2:38 PM*	9.23	11.5	955	474

Water Level Data

	Water Level	*
5/28/2008		3
7/29/2009		3
6/16/2010		3
10/5/2011		3
10/13/2011	138.90	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI293 8/11/2011 *Field Data (2011 only)*

Arrival Time: *12:00 PM*

Well Name	Well Ownership Info.
Well #1	*Jon Walker*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *Well is not sealed. See photo*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*39*

Pump Activity Upon Arrival? *Unknown*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:10 PM	*7.82*	*1234*	*617*	*8.7*
12:13 PM	*7.91*	*1212*	*608*	*7.5*
12:16 PM	*7.91*	*1225*	*613*	*7.6*
12:19 PM	*7.9*	*1199*	*599*	*8.8*
12:22 PM	*7.98*	*1166*	*583*	*7.7*
12:25 PM	*8*	*1170*	*585*	*7.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745229	*588610*	*7302*	*15.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:26 PM	*12:25 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *223AMI293DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 75

Weather Notes: *Mostly clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/15/2008	*4:30 PM*	*3*	271	35	46	0.6	4	2	223	242	1180	722
8/4/2009	*3:00 PM*	*3*	267	26	48	0.8	3	2	221	206	1130	686
9/8/2010	*4:40 PM*	*3*	279	26	49	1.3	3	2	244	214	1130	729
8/11/2011	*12:25 PM*	*3*	258	33	62	1.1	4	2	259	239	1180	739

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/15/2008	*4:30 PM*	0	0						
8/4/2009	*3:00 PM*	0	0						
9/8/2010	*4:40 PM*	0	0						
8/11/2011	*12:25 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/15/2008	*4:28 PM*	7.58	11.1	1300	808
8/4/2009	*3:02 PM*	7.83	9.5	1143	573
9/8/2010	*4:40 PM*	8.07	7.4	1214	607
8/11/2011	*12:25 PM*	8.00	7.6	1170	585

Water Level Data

	Water Level	*
8/15/2008		1
8/4/2009	53.24	1
9/8/2010	39.59	1
8/11/2011	39.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI295 8/17/2011 *Field Data (2011 only)*

Arrival Time: *1:37 PM*

Well Name	Well Ownership Info.
White Water #4	*Zane & Christine White (White Mtn Properties)*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*241.6*

Pump Activity Upon Arrival? *Minimal office use*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	*9.48*	*499*	*248*	*10.6*
2:03 PM	*9.51*	*452*	*227*	*11.2*
2:06 PM	*9.49*	*456*	*227*	*10.9*
2:09 PM	*9.47*	*457*	*228*	*10.8*
2:12 PM	*9.48*	*454*	*228*	*10.7*
2:15 PM	*9.46*	*456*	*228*	*10.8*
2:18 PM	*9.44*	*456*	*227*	*10.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4744761	*588051*	*7369*	*16.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:24 PM	*2:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:26 PM	*2:25 PM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *229AMI295DA11 & 229AMI295DA11D*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *Partly cloudy, breezy*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes *Duplicate sample collected*

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/24/2008	*3:00 PM*	*3*	181	0	1	0.9	0	0	106	35	416	277
8/10/2009	*10:20 AM*	*3*	189	0	2	0.7	0	0	98	31	443	262
8/10/2009	*10:25 AM*	*3*	181	0	2	0.7	0	0	99	32	445	260
9/13/2010	*4:50 PM*	*3*	202	0	2	0.7	0	0	100	29	423	274
9/13/2010	*4:55 PM*	*3*	203	0	2	0.7	0	0	103	29	422	273
8/17/2011	*2:20 PM*	*3*	176	0	3	0.8	0	0	106	30	429	273
8/17/2011	*2:25 PM*	*3*	179	0	2	0.8	0	0	106	30	431	269

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/24/2008	*3:00 PM*	0	0						
8/10/2009	*10:20 AM*	0	0						
8/10/2009	*10:25 AM*	0	0						
9/13/2010	*4:50 PM*	0	0						
9/13/2010	*4:55 PM*	0	0						
8/17/2011	*2:20 PM*	0	0						
8/17/2011	*2:25 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/24/2008	*3:00 PM*	9.42	9.9	453	288
8/10/2009	*10:21 AM*	9.16	11.2	398	199
9/13/2010	*4:50 PM*	9.55	10.5	456	228
8/17/2011	*2:18 PM*	9.44	10.8	456	227

Water Level Data

	Water Level	*
10/24/2008	244.07	1
8/10/2009	244.11	1
9/13/2010	243.10	1
8/17/2011	241.60	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI297 10/13/2011 *Field Data (2011 only)*

Arrival Time: *12:21 PM*

Well Name	Well Ownership Info.
Rainbow 13-29	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*358.5*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:53 PM	*9.09*	*902*	*451*	*10.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710015	*612190*	*7343*	*16.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:53 PM	*1:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
286 AMI297 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *550*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 56

Weather Notes:
partly cloudy, slight breeze

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2009	*2:30 PM*	*1*	119	2	11	1.8	0	0	172	239	876	537
9/20/2010	*12:45 PM*	*1*	130	2	11	1.7	0	0	194	261	854	531
10/13/2011	*1:00 PM*	*1*	115	2	12	1.8	0	0	184	256	847	519

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2009	*2:30 PM*	0	0						
9/20/2010	*12:45 PM*	0	0						
10/13/2011	*1:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2009	*2:20 PM*	8.68	14.4	795	397
9/20/2010	*12:47 PM*	9.26	12.5	903	452
10/13/2011	*12:53 PM*	9.09	10.3	902	451

Water Level Data

	Water Level	*
7/13/2009	367.10	6
9/20/2010	366.25	6
10/13/2011	358.50	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI298 9/21/2011 *Field Data (2011 only)*

Arrival Time: *9:16 AM*

Well Name	Well Ownership Info.
Rainbow 8-31	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
631	*709*	*9:42 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:20 AM	*9.71*	*527*	*263*	*9.6*
9:23 AM	*9.73*	*466*	*233*	*12.6*
9:26 AM	*9.77*	*470*	*235*	*12.9*
9:29 AM	*9.72*	*470*	*235*	*13.2*
9:32 AM	*9.72*	*471*	*235*	*13.3*
9:35 AM	*9.72*	*470*	*235*	*13.3*
9:38 AM	*9.73*	*471*	*235*	*13.3*
9:41 AM	*9.71*	*471*	*235*	*13.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is sealed

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709385	*611621*	*7379*	*14.5*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:42 AM	*9:40 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

264 AMI298 DA11 S

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 49

Weather Notes:

clear, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Travis with Premier Pumps also present

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/13/2009	*3:50 PM*	*1*	127	0	33	9.4	0	0	91	21	460	244
7/22/2010	*12:25 PM*	*2*	133	0	34	9.4	0	0	100	26	465	283
9/21/2011	*9:40 AM*	*2*	121	0	34	9	0	0	99	28	462	254

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/13/2009	*3:50 PM*	0	0						
7/22/2010	*12:25 PM*	0	0						
9/21/2011	*9:40 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/13/2009	*3:55 PM*	9.45	16.8	418	210
7/22/2010	*12:19 PM*	9.59	14	450	225
9/21/2011	*9:41 AM*	9.71	13.3	471	235

Water Level Data

	Water Level	*
7/13/2009	409.67	6
7/22/2010		3
9/21/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI299 9/28/2011 *Field Data (2011 only)*

Arrival Time: *2:58 PM*

Well Name	Well Ownership Info.
Riverside 12-3	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
90	*168*	*3:30 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:12 PM	*9.41*	*681*	*341*	*12.1*
3:15 PM	*8.95*	*666*	*332*	*13.1*
3:18 PM	*8.98*	*647*	*324*	*13.2*
3:21 PM	*8.98*	*649*	*324*	*13.2*
3:24 PM	*8.97*	*645*	*323*	*13.3*
3:27 PM	*8.89*	*647*	*324*	*12.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726722	*596095*	*7041*	*14.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:30 PM	*3:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI299 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *mostly clear, breezy*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/3/2009	*10:55 AM*	*2*	292	1	1	3.1	0	0	161	38	666	403
8/3/2010	*10:50 AM*	*2*	315	1	2	3.1	0	0	151	40	635	375
9/28/2011	*3:30 PM*	*2*	289	1	2	2.6	0	0	148	39	609	366

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/3/2009	*10:55 AM*	0	0						
8/3/2010	*10:50 AM*	0	0						
9/28/2011	*3:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/3/2009	*10:53 AM*	8.65	13.9	541	270
8/3/2010	*10:51 AM*	9.06	13.8	615	307
9/28/2011	*3:27 PM*	8.89	12.2	647	324

Water Level Data

	Water Level	*
8/3/2009		3
8/3/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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Arrival Time: *1:50 PM*

Well Name	Well Ownership Info.
South Mesa 12-14	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*66*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:27 PM	*9.24*	*740*	*369*	*11.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4713869	*598012*	*6999*	*17.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:27 PM	*2:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
287 AMI300 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *550*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:
mostly clear, breezy

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/27/2008	*2:45 PM*	*1*	162	1	109	8	0	0	169	5	753	385
8/31/2009	*2:15 PM*	*1*	170	0	113	8.2	0	0	152	2	721	408
7/27/2010	*2:45 PM*	*1*	169	1	121	8	0	0	164	1	739	439
10/14/2011	*2:30 PM*	*1*	151	1	119	8.1	0	0	157	3	720	393

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/27/2008	*2:45 PM*	0	0						
8/31/2009	*2:15 PM*	0	0						
7/27/2010	*2:45 PM*	0	0						
10/14/2011	*2:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/27/2008	*2:40 PM*	9.79	11.8	793	512
8/31/2009	*2:20 PM*	9.26	14	688	345
7/27/2010	*2:55 PM*	9.50	16.4	699	349
10/14/2011	*2:27 PM*	9.24	11.7	740	369

Water Level Data

	Water Level	*
10/27/2008	68.70	6
8/31/2009	67.85	6
7/27/2010	66.64	6
10/14/2011	66.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI301 10/5/2011 *Field Data (2011 only)*

Arrival Time: *2:26 PM*

Well Name	Well Ownership Info.
Warbonnet 11-4	*Shell*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*164.9*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:20 PM	*9.26*	*1042*	*519*	*9.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4716938	*604513*	*7128*	*18.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:20 PM	*3:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
278 AMI301 DA11 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *685*

Sample Depth Actual (ft): *685*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/20/2009	*2:45 PM*	*1*	138	1	199	10.4	0	0	204	3	1010	476
12/18/2009	*12:45 PM*	*1*	140	1	209	2	0	0	207	2	966	479
7/26/2010	*4:05 PM*	*1*	141	1	211	9.8	0	0	202	0	975	541
10/5/2011	*3:00 PM*	*1*	127	1	206	10	0	0	224	3	966	495

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/20/2009	*2:45 PM*	**1.1**	**0.175**						
12/18/2009	*12:45 PM*	0	0	0	0	**3.3**	0	0	
7/26/2010	*4:05 PM*	0	0	0	0	0	0	0	
10/5/2011	*3:00 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/20/2009	*2:55 PM*	9.73	15.4	883	441
12/18/2009	*12:44 PM*	9.18	7.9	950	478
7/26/2010	*4:05 PM*	9.65	18.8	940	469
10/5/2011	*3:20 PM*	9.26	9.8	1042	519

Water Level Data

	Water Level	*
7/20/2009	167.10	6
12/18/2009		3
7/26/2010	166.06	6
10/5/2011	164.90	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI302 11/23/2011 *Field Data (2011 only)*

Arrival Time: *10:43 AM*

Well Name	Well Ownership Info.
Mesa 5-26	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*79*	*11:30 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:09 AM	*9.16*	*573*	*287*	*10.7*
11:12 AM	*9.16*	*552*	*275*	*15.8*
11:15 AM	*9.14*	*552*	*276*	*16.1*
11:18 AM	*9.12*	*550*	*276*	*16.5*
11:21 AM	*9.1*	*552*	*277*	*16.5*
11:24 AM	*9.1*	*554*	*277*	*16.6*
11:27 AM	*9.09*	*552*	*276*	*16.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4730230	*597573*	*7180*	*18*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:30 AM	*11:30 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *327 AMI302 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 30

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Metals sample filtered and preserved at the office at 4:10pm this day. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/21/2009	*1:13 PM*	*2*	251	1	7	4.6	0	0	134	20	560	337
6/16/2010	*11:05 AM*	*2*	262	1	8	4.6	0	0	133	12	527	314
11/23/2011	*11:30 AM*	*2*	237	1	8	4.5	0	0	130	13	536	325

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/21/2009	*1:13 PM*	0	0						
6/16/2010	*11:05 AM*	0	0						
11/23/2011	*11:30 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/21/2009	*1:07 PM*	8.90	16.1	513	256
6/16/2010	*11:04 AM*	9.04	16.8	510	255
11/23/2011	*11:27 AM*	9.09	16.7	552	276

Water Level Data

	Water Level	*
5/21/2009		3
6/16/2010		3
11/23/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI304 9/28/2011 *Field Data (2011 only)*

Arrival Time: *1:08 PM*

Well Name	Well Ownership Info.
Jensen 11-11	*Shell*

Is Well Covered?

Well Locked ☐ *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival?

no

Water Level Notes:

well is not accessible for water level

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
58714	*58789*	*1:44 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:26 PM	*9.11*	*622*	*311*	*11.8*
1:29 PM	*9.1*	*621*	*311*	*11.8*
1:32 PM	*8.98*	*622*	*311*	*11.9*
1:35 PM	*8.95*	*621*	*311*	*12*
1:38 PM	*9.04*	*621*	*311*	*12*
1:41 PM	*9.03*	*622*	*311*	*12*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

well is sealed - not accessible for gas alarm check

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724943	*598110*	*6889*	*16.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:44 PM	*1:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:

11) Sample valve on industrial pump

DRO bottles filled from:

11) Sample valve on industrial pump

Rest of bottles filled from:

11) Sample valve on industrial pump

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

271 AMI304 DA 11 S

Sampling Method:

industrial pump

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 76

Weather Notes:

clear, calm

SCCD Personnel Present

Delsa Allen

Overall Field / Sample Notes

Bottle labels were filled out at the end of the day - sample set was kept all together in a large bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/28/2008	*2:15 PM*	*2*	271	1.4	5	5	0	0	158	21	592	353
5/20/2009	*11:15 AM*	*2*	289	1	6	5.7	0	0	138	2	580	369
6/16/2010	*12:45 PM*	*2*	299	1	7	5.8	0	0	154	13	587	359
9/28/2011	*1:45 PM*	*2*	270	1	7	5	0	0	144	15	587	340

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/28/2008	*2:15 PM*	0	0						
5/20/2009	*11:15 AM*	0	0						
6/16/2010	*12:45 PM*	0	0						
9/28/2011	*1:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/28/2008	*2:13 PM*	9.17	11.6	631	315
5/20/2009	*11:05 AM*	8.62	11.9	549	273
6/16/2010	*12:42 PM*	8.89	12.3	571	285
9/28/2011	*1:41 PM*	9.03	12	622	311

Water Level Data

	Water Level	*
5/28/2008		3
5/20/2009		3
6/16/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI305 10/26/2011 *Field Data (2011 only)*

Arrival Time: *10:53 AM*

Well Name	Well Ownership Info.
Mesa 11-19 (also known as 14-19)	*Anschutz*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*416.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:46 AM	*9.48*	*812*	*407*	*6.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731576	*591590*	*7470*	*17.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:46 AM	*12:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
299 AMI305 DA11 A

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *800*

Sample Depth Actual (ft): *800*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 26

Weather Notes:
mostly clear, slight breeze

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
Bailers were partly full - only enough sample to fill: 1, 1 liter glass; 1, 1 liter plastic; and 3, 40 mil glass bottles.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/22/2008	*2:50 PM*	*2*	206	1	18	1.9	0	0	144	101	614	370
11/4/2009	*12:45 PM*	*1*	191	1	16	1.7	0	0	129	85	594	338
9/28/2010	*1:20 PM*	*1*	191	1	16	1.5	0	0	127	84	576	354
10/26/2011	*12:00 PM*	*1*	161	1	16	1.6	0	0	137	88	590	358

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/22/2008	*2:50 PM*	0	0						
11/4/2009	*12:45 PM*	0	0						
9/28/2010	*1:20 PM*	0	0						
10/26/2011	*12:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/22/2008	*2:47 PM*	9.24	12.1	687	432
11/4/2009	*1:15 PM*	9.16	13.6	588	292
9/28/2010	*1:20 PM*	9.41	14.5	597	299
10/26/2011	*11:46 AM*	9.48	6.9	812	407

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
9/22/2008		3
11/4/2009	484.10	6
9/28/2010	453.74	6
9/28/2010	447.95	5
10/26/2011	416.20	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI306 10/28/2011 *Field Data (2011 only)*

Arrival Time: *10:10 AM*

Well Name	Well Ownership Info.
Mesa 3-19	*Anschutz*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
well was unlocked by an Anschutz representative prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*509.1*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:20 AM	*9.23*	*596*	*298*	*8.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732532	*591708*	*7495*	*19.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:20 AM	*10:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
301 AMI306 DA11 A

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *900*

Sample Depth Actual (ft): *900*

Bailing Method Used: *Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 34

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Meghann Durbrow*

Overall Field / Sample Notes
Had to send bailers down twice in order to get enough sample to fill bottles.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/23/2008	*12:50 PM*	*2*	272	1	3	3.1	0	0	161	42	624	380
11/4/2009	*11:00 PM*	*1*	232	1	15	4.4	0	0	134	48	588	336
9/28/2010	*12:00 PM*	*1*	232	1	13	3.7	0	0	134	47	575	353
10/28/2011	*10:55 AM*	*1*	198	1	17	3.6	0	0	141	53	582	347

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/23/2008	*12:50 PM*	0	0						
11/4/2009	*11:00 PM*	0	0						
9/28/2010	*12:00 PM*	0	0						
10/28/2011	*10:55 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/23/2008	*12:50 PM*	8.94	17.3	694	435
11/4/2009	*11:00 AM*	8.40	12.2	573	287
9/28/2010	*11:52 AM*	9.33	15.1	606	303
10/28/2011	*11:20 AM*	9.23	8.4	596	298

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
9/23/2008		3
11/4/2009	513.00	6
9/28/2010	511.21	6
9/28/2010	506.50	5
10/28/2011	509.10	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI307 10/12/2011 *Field Data (2011 only)*

Arrival Time: *8:26 AM*

Well Name	Well Ownership Info.
Stewart Point 16-6	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
288	*355*	*9:55 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:29 AM	*9.28*	*413*	*207*	*8.4*
9:32 AM	*9.3*	*405*	*203*	*11.3*
9:35 AM	*9.3*	*404*	*202*	*11.8*
9:38 AM	*9.32*	*402*	*201*	*12.1*
9:41 AM	*9.32*	*400*	*200*	*12.1*
9:44 AM	*9.35*	*399*	*200*	*12.2*
9:47 AM	*9.35*	*398*	*199*	*12.2*
9:50 AM	*9.34*	*397*	*199*	*12.3*
9:53 AM	*9.34*	*397*	*199*	*12.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745269	*589468*	*7328*	*16*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:55 AM	*9:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:55 AM	*10:00 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *12) Sample valve on industrial pump, then a new plastic cup*

DRO bottles filled from: *12) Sample valve on industrial pump, then a new plastic cup*

Rest of bottles filled from: *12) Sample valve on industrial pump, then a new plastic cup*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *285 AMI307 DA11 S & 285 AMI307 DA11 S D*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 40

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Duplicate samples collected. Bottle labels were filled out later in the day - sample sets were kept in larger plastic bags that were labeled in the field with sample ID, date and time. Travis with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
10/28/2008	*1:25 PM*	*2*	200	1	0	1.4	0	0	101	5	387	253
8/3/2009	*3:55 PM*	*2*	197	0	2	1.3	0	0	89	1	404	247
8/3/2010	*5:05 PM*	*2*	211	0	2	1.2	0	0	90	2	376	206
10/12/2011	*9:55 AM*	*2*	176	0	2	1	0	0	88	8	375	230
10/12/2011	*10:00 AM*	*2*	176	0	2	1	0	0	86	8	374	229

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
10/28/2008	*1:25 PM*	0	0						
8/3/2009	*3:55 PM*	0	0						
8/3/2010	*5:05 PM*	0	0						
10/12/2011	*9:55 AM*	0	0						
10/12/2011	*10:00 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
10/28/2008	*1:24 PM*	9.43	13.3	416	264
8/3/2009	*3:59 PM*	9.52	12.8	395	197
8/3/2010	*5:07 PM*	9.61	12.6	370	185
10/12/2011	*9:53 AM*	9.34	12.4	397	199

Water Level Data

	Water Level	*
10/28/2008		3
8/3/2009		3
8/3/2010		3
10/12/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI308 9/29/2011 *Field Data (2011 only)*

Arrival Time: *2:35 PM*

Well Name	Well Ownership Info.
Mesa 4-28	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*71*	*3:14 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:45 PM	*9.65*	*650*	*326*	*11.2*
2:48 PM	*8.76*	*619*	*307*	*13.3*
2:51 PM	*8.85*	*614*	*307*	*13.3*
2:54 PM	*8.88*	*614*	*308*	*13.5*
3:00 PM	*8.93*	*617*	*308*	*13.5*
3:03 PM	*8.94*	*618*	*309*	*13.7*
3:06 PM	*8.94*	*618*	*310*	*13.8*
3:09 PM	*8.83*	*622*	*311*	*13.8*
3:12 PM	*8.9*	*623*	*311*	*13.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4730588	*594209*	*7443*	*14.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:14 PM	*3:15 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *272 AMI308 DA11 S*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 67

Weather Notes: *clear, slight breeze*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Water became very rust colored at 2:47 but cleared up before samples were collected. Generator stopped at 2:56 and had to be re-started. Bottle labels were filled out at the end of the day - sample set was kept together in a larger bag which was labeled in the field with sample ID, date and time. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
5/20/2009	*4:25 PM*	*2*	196	2	9	1.2	0	0	127	70	546	369
6/7/2010	*4:20 PM*	*2*	196	3	8	0.5	0	0	135	98	617	373
9/29/2011	*3:15 PM*	*2*	174	3	8	0.5	0	0	136	103	587	375

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
5/20/2009	*4:25 PM*	0	0						
6/7/2010	*4:20 PM*	0	0						
9/29/2011	*3:15 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/20/2009	*4:35 PM*	9.08	14.2	524	261
6/7/2010	*4:18 PM*	8.99	13.5	584	291
9/29/2011	*3:12 PM*	8.90	13.9	623	311

Water Level Data

	Water Level	*
5/20/2009		3
6/7/2010		3
9/29/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI309 9/28/2011 *Field Data (2011 only)*

Arrival Time: *9:03 AM*

Well Name	Well Ownership Info.
Riverside 11-2	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *yes, 10 to 12 hours*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes: *water meter counter was not working*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:03 AM	*9.09*	*718*	*360*	*14*
10:06 AM	*9.13*	*651*	*326*	*13.9*
10:09 AM	*9.01*	*652*	*327*	*13.4*
10:12 AM	*9.03*	*652*	*327*	*13.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *well is sealed - not accessible for gas alarm check*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726419	*598074*	*6993*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:14 AM	*10:15 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:14 AM	*10:20 AM*

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *11) Sample valve on industrial pump*

DRO bottles filled from: *11) Sample valve on industrial pump*

Rest of bottles filled from: *11) Sample valve on industrial pump*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *271 AMI309 DA11 S & 271 AMI309 DA11 S D*

Sampling Method: *industrial pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes: *clear, calm*

SCCD Personnel Present *Delsa Allen*

Overall Field / Sample Notes

Duplicate samples collected. Bottle labels were filled out at the end of the day - sample sets were kept all together in a large bag which was labeled with sample ID, date and time in the field. John with Premier Pumps also present.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/14/2009	*1:05 PM*	*1*	277	1	6	4.8	0	1	139	26	646	451
12/8/2010	*11:05 AM*	*2*	300	1	6	5.4	0	0	149	22	608	386
9/28/2011	*10:15 AM*	*2*	282	1	4	3.6	0	0	155	28	619	359
9/28/2011	*10:20 AM*	*2*	281	1	3	3.6	0	0	155	27	616	356

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/14/2009	*1:05 PM*	0	0						
12/8/2010	*11:05 AM*	0	0						
9/28/2011	*10:15 AM*	0	0						
9/28/2011	*10:20 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/14/2009	*1:00 PM*	9.37	13.9	573	287
12/8/2010	*11:17 AM*	9.09	12.9	632	316
9/28/2011	*10:12 AM*	9.03	13.4	652	327

Water Level Data

	Water Level	*
7/14/2009	16.12	6
12/8/2010		3
9/28/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI310 8/18/2011 *Field Data (2011 only)*

Arrival Time: *1:50 PM*

Well Name	Well Ownership Info.
Oliver Well #1	*Bob & Sarah Oliver*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*13.7*

Pump Activity Upon Arrival? *Unknown*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:14 PM	*8.08*	*1027*	*514*	*15.4*
2:17 PM	*8.2*	*1041*	*520*	*10*
2:20 PM	*8.22*	*1040*	*517*	*8.7*
2:23 PM	*8.19*	*1030*	*516*	*8.3*
2:26 PM	*8.22*	*1048*	*521*	*8.3*
2:29 PM	*8.2*	*1032*	*515*	*8.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
587926	*4744908*	*7347*	*17.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:31 PM	*2:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *230AMI310DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 79

Weather Notes: *Clear & windy*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/22/2009	*11:15 AM*	*5*	252	11	19	1.4	2	2	265	330	1210	827
5/25/2010	*4:15 PM*	*5*	254	10	13	1.4	1	1	268	331	1200	771
9/13/2010	*2:10 PM*	*5*	248	11	13	1.4	2	1	267	329	1200	813
8/18/2011	*2:30 PM*	*3*	226	11	20	1.4	2	2	276	352	1210	768

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/22/2009	*11:15 AM*	0	0						
5/25/2010	*4:15 PM*	0	0						
9/13/2010	*2:10 PM*	0	0						
8/18/2011	*2:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/22/2009	*11:28 AM*	8.08	18.9	1124	562
5/25/2010	*4:22 PM*	8.14	5.7	1201	600
9/13/2010	*2:07 PM*	8.26	8.3	1291	645
8/18/2011	*2:29 PM*	8.20	8.4	1032	515

Water Level Data

	Water Level	*
6/22/2009	14.71	1
5/25/2010	73.61	1
9/13/2010	75.09	1
8/18/2011	13.70	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI311 10/17/2011 *Field Data (2011 only)*

Arrival Time: *1:26 PM*

Well Name	Well Ownership Info.
Blue Rim State #2	*Yates*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*299.2*

Pump Activity Upon Arrival?

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:05 PM	*9.18*	*534*	*267*	*10.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714366	*604965*	*7273*	*17.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:05 PM	*2:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from:
10) Bailer, then a new plastic cup

DRO bottles filled from:
09) Bailer

Rest of bottles filled from:
09) Bailer

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:
290 AMI311 DA11 Y

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *Polyester Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 47

Weather Notes:
clear, breezy

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes

Doug with Yates also present. There was an active work-over rig on location. Just before we were ready to place bailers into well casing, the gas well "kicked" (according to Doug) which caused a high pressure flow of fluids to be displaced into the air. Unfortunately we were located down wind. We were able to quickly move or cover most of the sampling equipment before any of the liquid fell onto the truck. Work-over rig crew members were able to stop the flow within 30 seconds. Any sampling equipment that was exposed was either replaced or thoroughly decontaminated before we continued with our sampling procedures.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
12/7/2009	*2:30 PM*	*1*	243	0	9	4.9	0	0	118	0	492	278
12/7/2009	*2:35 PM*	*1*	243	0	9	4.9	0	0	114	0	490	279
10/4/2010	*1:00 PM*	*1*	253	0	9	4.8	0	0	117	0	496	313
10/17/2011	*2:00 PM*	*1*	218	0	10	4.9	0	0	115	0	489	270

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
12/7/2009	*2:30 PM*	0	0	0	0	0	0	0	
12/7/2009	*2:35 PM*	0	0	0	0	0	0	0	
10/4/2010	*1:00 PM*	0	0						
10/17/2011	*2:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
12/7/2009	*2:23 PM*	9.54	6.5	507	253
10/4/2010	*1:15 PM*	9.69	13	515	257
10/17/2011	*2:05 PM*	9.18	10.1	534	267

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
9/2/2009		3
12/7/2009	303.91	6
10/4/2010	303.32	6
10/4/2010	300.20	5
10/17/2011	299.20	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI312 6/6/2011 *Field Data (2011 only)*

Arrival Time: *1:36 PM*

Well Name	Well Ownership Info.
White Water #20	*Zane & Chris White*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*35*

Pump Activity Upon Arrival? *No, unknown*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:50 PM	*8.26*	*526*	*262*	*16.8*
1:53 PM	*9.36*	*538*	*269*	*10*
1:56 PM	*9.42*	*540*	*270*	*9.1*
1:59 PM	*9.27*	*539*	*270*	*8.9*
2:02 PM	*9.4*	*538*	*270*	*8.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717652	*612476*	*7220*	*20.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:08 PM	*2:05 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *157AMI312DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *Clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

[Field parameters were also taken with the Hanna HI 991300 #2 field meter for comparability.]

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/24/2009	*4:30 PM*	*5*	102	2	8	1.2	0	0	107	130	529	316
5/26/2010	*3:05 PM*	*5*	105	2	8	1.1	0	0	109	126	525	325
6/6/2011	*2:05 PM*	*5*	106	2	8	1.2	0	0	113	121	519	298

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/24/2009	*4:30 PM*	0	0						
5/26/2010	*3:05 PM*	0	0						
6/6/2011	*2:05 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/24/2009	*4:30 PM*	8.87	9.4	490	245
5/26/2010	*3:04 PM*	9.04	8.8	513	256
6/6/2011	*2:02 PM*	9.40	8.9	538	270

Water Level Data

	Water Level	*
6/24/2009	34.71	6
5/26/2010	34.81	1
6/6/2011	35.00	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI313 **6/6/2011** ***Field Data (2011 only)***

Arrival Time: *2:20 PM*

Well Name	Well Ownership Info.
White Water #21	*Zane & Chris White*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*34.6*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717643	*612351*	*7224*	*16.1*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☐

GRO bottles filled from:

DRO bottles filled from:

Rest of bottles filled from:

Bottle Fill Notes:

Sample Bottle Notes / Sample ID:

Sampling Method:

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

No power to hydrant at well - could not collect samples.

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AMI313 9/6/2011 *Field Data (2011 only)*

Arrival Time: *1:49 PM*

Well Name	Well Ownership Info.
White Water #21	*Zane & Chris White*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*37.1*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:00 PM	*9.74*	*407*	*204*	*8*
2:03 PM	*9.74*	*390*	*195*	*7.9*
2:06 PM	*9.71*	*388*	*194*	*7.9*
2:09 PM	*9.71*	*387*	*194*	*7.9*
2:12 PM	*9.65*	*387*	*194*	*7.8*
2:15 PM	*9.65*	*387*	*194*	*7.9*
2:18 PM	*9.64*	*389*	*194*	*7.9*
2:21 PM	*9.61*	*388*	*195*	*7.7*
2:24 PM	*9.62*	*389*	*194*	*7.7*
2:27 PM	*9.63*	*389*	*195*	*7.8*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717640	*612353*	*7231*	*19.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:28 PM	*2:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *249 AMI313 DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 60

Weather Notes: *cloudy to partly cloudy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Field samples became cloudy starting at 2:03 and did not clear up - see photos. Power was just hooked up / turned on to water well a few days ago. SCCD staff chose to run the water longer to flush piping.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/6/2011	*2:20 PM*	*3*	116	1	6	1.4	0	0	71	43	359	240

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/6/2011	*2:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/6/2011	*2:27 PM*	9.63	7.8	389	195

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
6/24/2009	35.01	6
5/26/2010	35.68	1
6/6/2011	34.60	5
9/6/2011	37.10	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI314 8/17/2011 *Field Data (2011 only)*

Arrival Time: *2:57 PM*

Well Name	Well Ownership Info.
Whitewater 13	*Zane & Christine White*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Could not obtain a consistant water level reading.*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:13 PM	*6.96*	*496*	*248*	*16.3*
3:16 PM	*7.31*	*459*	*230*	*10.7*
3:19 PM	*7.35*	*458*	*229*	*9.1*
3:22 PM	*7.81*	*451*	*227*	*8.3*
3:25 PM	*9.13*	*458*	*230*	*8.3*
3:28 PM	*9.27*	*459*	*229*	*8.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4744863	*588024*	*7361*	*19.3*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:30 PM	*3:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *229AMI314DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *Partly cloudy & slight breeze*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

3 one liter glass bottles collected. Very low water pressure. Water very aerated.

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
8/10/2009	*2:45 PM*	*5*	202	0	3	3	0	0	110	15	451	272
9/14/2010	*11:40 AM*	*5*	204	0	3	1.3	0	0	104	31	445	290
8/17/2011	*3:30 PM*	*3*	183	0	2	1.2	0	0	109	32	436	275

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
8/10/2009	*2:45 PM*	0	0						
9/14/2010	*11:40 AM*	0	0						
8/17/2011	*3:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
8/10/2009	*2:44 PM*	9.24	10.7	402	201
9/14/2010	*11:35 AM*	9.63	9.2	472	240
8/17/2011	*3:28 PM*	9.27	8.4	459	229

Water Level Data

	Water Level	*
8/10/2009	222.75	1
9/14/2010		3
8/17/2011		5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI316 6/6/2011 *Field Data (2011 only)*

Arrival Time: *2:35 PM*

Well Name	Well Ownership Info.
Williams #1	*Williams Development*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*20.8*

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:46 PM	*8.46*	*852*	*426*	*10.6*
2:49 PM	*8.64*	*841*	*421*	*10.7*
2:51 PM	*8.7*	*839*	*420*	*11.5*
2:54 PM	*8.72*	*842*	*422*	*11*
2:57 PM	*8.75*	*842*	*422*	*10.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717948	*612263*	*7219*	*14.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:00 PM	*3:05 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *157AMI316DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 77

Weather Notes: *Clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

[Field parameters were also taken with the Hanna HI 991300 #2 field meter for comparability.]

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
6/24/2009	*3:05 PM*	*3*	91	6	95	0.2	0	0	101	26	548	310
5/26/2010	*2:00 PM*	*3*	95	9	106	0.2	0	0	116	32	612	366
6/6/2011	*3:05 PM*	*3*	94	19	163	0.2	1	1	149	39	822	448

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
6/24/2009	*3:05 PM*	0	0						
5/26/2010	*2:00 PM*	0	0						
6/6/2011	*3:05 PM*	0	0	0	0	0	0	0	
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
6/24/2009	*3:10 PM*	8.88	8.5	517	258
5/26/2010	*1:58 PM*	8.96	8.2	598	299
6/6/2011	*2:57 PM*	8.75	10.9	842	422

Water Level Data

	Water Level	*
6/24/2009	21.45	6
5/26/2010	21.50	1
6/6/2011	20.80	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI317 8/3/2011 *Field Data (2011 only)*

Arrival Time: *12:06 PM*

Well Name: *Rendezvous Meadows #1*

Well Ownership Info.: *Sublette County*

Well Locked ☐

Is Well Covered?: *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival?: *No, just minimal kitchen use per Jeremy*

Water Level Notes: *Could not access well for accurate water level reading.*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:25 PM	8.39	307	153	9.2
12:28 PM	8.47	301	150	8
12:31 PM	8.75	308	154	7.5
12:34 PM	8.81	310	154	7.4
12:37 PM	8.64	303	152	7.2
12:40 PM	8.87	312	155	7.1
12:43 PM	8.87	311	155	7

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745820	591296	7175	16.2

Unit Used: *Garmin GPS Map 76*

GPS Notes:

Actual Sample Collection Time: *12:45 PM*

Time Used on Bottle Labels: *12:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:

Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *215AMI317DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 73

Weather Notes: *Partly cloudy, calm*

SCCD Personnel Present: *Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2009	*12:15 PM*	*5*	134	7	2	0.4	0	0	56	17	305	253
8/16/2010	*12:50 PM*	*5*	149	8	2	0.5	1	0	61	20	307	176
8/3/2011	*12:45 PM*	*3*	129	9	2	0.5	1	0	62	22	298	190

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2009	*12:15 PM*	0	0						
8/16/2010	*12:50 PM*	0	0						
8/3/2011	*12:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2009	*12:08 PM*	8.55	7.2	277	138
8/16/2010	*12:51 PM*	8.93	7.3	329	164
8/3/2011	*12:43 PM*	8.87	7	311	155

Water Level Data

	Water Level	*
7/21/2009		3
8/16/2010		3
8/3/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI318 8/19/2011 *Field Data (2011 only)*

Arrival Time: *1:48 PM*

Well Name	Well Ownership Info.
Unknown Permit Info (Weed & Pest)	*Sublette County*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*37.3*

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:02 PM	*9.51*	*299*	*150*	*10.4*
2:05 PM	*9.6*	*293*	*146*	*9.3*
2:08 PM	*9.54*	*292*	*146*	*8.9*
2:11 PM	*9.48*	*290*	*145*	*11.3*
2:14 PM	*9.46*	*291*	*146*	*11.1*
2:17 PM	*9.45*	*292*	*146*	*10.8*
2:20 PM	*9.46*	*291*	*146*	*10.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740938	*595456*	*7138*	*14*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:21 PM	*2:20 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *231AMI318DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 75

Weather Notes: *Partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

3 one liter glass bottles filled

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2009	*1:10 PM*	*3*	113	0	4	0.3	0	0	58	20	292	206
9/23/2010	*11:00 AM*	*3*	122	0	4	0.2	0	0	65	20	279	193
8/19/2011	*2:20 PM*	*3*	109	0	5	0.3	0	0	66	23	277	164

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2009	*1:10 PM*	0	0						
9/23/2010	*11:00 AM*	0	0						
8/19/2011	*2:20 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2009	*1:07 PM*	9.33	9.2	265	133
9/23/2010	*10:58 AM*	9.55	8.7	304	152
8/19/2011	*2:20 PM*	9.46	10.4	291	146

Water Level Data

	Water Level	*
7/21/2009	36.02	1
9/23/2010	37.16	1
8/19/2011	37.30	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI319 8/19/2011 *Field Data (2011 only)*

Arrival Time: *2:34 PM*

Well Name	Well Ownership Info.
Sublette County Maintenance Shop #1	*Sublette County*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *Unknown*

Water Level Notes: *Could not access well for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:43 PM	9.56	320	160	14.8
2:46 PM	9.53	279	141	10.3
2:49 PM	9.22	270	135	9.4
2:52 PM	9.36	270	135	9.2
2:55 PM	9.37	270	136	9.2
2:58 PM	9.35	275	137	9

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740792	595444	7172	16

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:00 PM	*3:00 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *231AMI319DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 78

Weather Notes: *Partly cloudy, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Probably industrial type pump, extra large well casing diameter.(see photos)

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2009	*2:40 PM*	*5*	108	0	4	0.2	0	0	55	13	264	178
9/23/2010	*12:15 PM*	*5*	119	0	4	0.1	0	0	59	15	257	172
8/19/2011	*3:00 PM*	*5*	106	0	5	0.2	0	0	63	18	258	149

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2009	*2:40 PM*	0	0						
9/23/2010	*12:15 PM*	0	0						
8/19/2011	*3:00 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2009	*2:35 PM*	8.96	10	240	120
9/23/2010	*12:01 PM*	9.45	11.5	271	137
8/19/2011	*2:58 PM*	9.35	9	275	137

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI320 8/19/2011 *Field Data (2011 only)*

Arrival Time: *3:10 PM*

Well Name	Well Ownership Info.
Sublette County Maintenance Shop FIR	*Sublette County*

Is Well Covered? *Metal cap/covering*

Well Locked ☐

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Could not access well for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:24 PM	*7.09*	*310*	*155*	*13.2*
3:27 PM	*7.22*	*295*	*147*	*11.7*
3:30 PM	*7.2*	*291*	*147*	*9.5*
3:33 PM	*7.17*	*293*	*147*	*9.1*
3:36 PM	*7.17*	*293*	*147*	*9*
3:39 PM	*7.16*	*294*	*147*	*9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740802	*595434*	*7141*	*16.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:40 PM	*3:40 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *See photos*

Sample Bottle Notes / Sample ID: *231AMI320DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 80

Weather Notes: *Partly cloudy, clam*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/21/2009	*2:55 PM*	*5*	141	34	1	0.2	9	2	5	7	283	214
9/23/2010	*1:15 PM*	*5*	160	39	1	0.2	11	2	7	5	282	182
8/19/2011	*3:40 PM*	*5*	137	32	2	0.2	9	2	5	6	279	164

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/21/2009	*2:55 PM*	0	0						
9/23/2010	*1:15 PM*	0	0						
8/19/2011	*3:40 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/21/2009	*2:59 PM*	7.07	13.4	254	127
9/23/2010	*1:18 PM*	7.11	8.8	297	148
8/19/2011	*3:39 PM*	7.16	9	294	147

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI321 9/6/2011 *Field Data (2011 only)*

Arrival Time: *12:12 PM*

Well Name	Well Ownership Info.
Sublette County Ambulance Barn #1	*Sublette County*

Is Well Covered? *Other*

Well Locked ☐

Well Covering Notes: *plastic well cap*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*35.8*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:28 PM	*9.61*	*368*	*184*	*16.2*
12:31 PM	*9.62*	*359*	*180*	*11.4*
12:34 PM	*9.57*	*363*	*182*	*9.9*
12:37 PM	*9.58*	*365*	*183*	*9.4*
12:40 PM	*9.58*	*365*	*183*	*9.2*
12:43 PM	*9.6*	*366*	*184*	*8.9*
12:45 PM	*9.59*	*366*	*183*	*8.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717550	*612350*	*7224*	*15.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:47 PM	*12:45 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *249 AMI321 DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes: *cloudy, raining a little*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/23/2009	*10:25 AM*	*3*	112	0	9	0.8	0	0	67	28	327	180
9/27/2010	*1:20 PM*	*3*	128	0	8	1	0	0	71	30	332	226
9/6/2011	*12:45 PM*	*3*	110	0	11	1	0	0	72	34	339	218

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/23/2009	*10:25 AM*	0	0						
9/27/2010	*1:20 PM*	0	0						
9/6/2011	*12:45 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/23/2009	*10:25 AM*	8.88	10.7	338	169
9/27/2010	*1:18 PM*	9.57	9	355	178
9/6/2011	*12:45 PM*	9.59	8.9	366	183

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
7/23/2009	36.30	1
9/27/2010	36.70	5
9/27/2010	36.11	1
9/6/2011	35.80	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI322 9/6/2011 *Field Data (2011 only)*

Arrival Time: *1:01 PM*

Well Name	Well Ownership Info.
Ensign/Opsco #1	*Opsco Energy Industries*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*31.9*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:13 PM	*7.91*	*460*	*231*	*12.1*
1:16 PM	*8.29*	*439*	*220*	*10.1*
1:19 PM	*8.45*	*439*	*220*	*7.9*
1:22 PM	*8.37*	*439*	*220*	*9*
1:25 PM	*8.37*	*440*	*220*	*8.6*
1:28 PM	*8.68*	*427*	*213*	*7.5*
1:31 PM	*8.47*	*437*	*218*	*8.2*
1:34 PM	*8.61*	*427*	*215*	*8.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717447	*612361*	*7242*	*14.7*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:35 PM	*1:30 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *249 AMI322 DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 54

Weather Notes: *cloudy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
7/23/2009	*11:20 AM*	*3*	104	9	15	0.4	0	0	56	30	321	178
9/27/2010	*2:05 PM*	*3*	114	5	14	0.6	0	0	63	28	320	211
9/27/2010	*2:10 PM*	*3*	114	5	15	0.6	0	0	63	28	319	219
9/6/2011	*1:30 PM*	*3*	98	12	32	0.3	0	1	70	37	395	251

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
7/23/2009	*11:20 AM*	0	0						
9/27/2010	*2:05 PM*	0	0						
9/27/2010	*2:10 PM*	0	0						
9/6/2011	*1:30 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
7/23/2009	*11:20 AM*	8.47	10	323	162
9/27/2010	*2:08 PM*	9.17	7.8	343	171
9/6/2011	*1:34 PM*	8.61	8.1	427	215

Results within Field Data represent the last set of measurements recorded that day.

Water Level Data

	Water Level	*
7/23/2009	32.29	1
9/27/2010	32.40	5
9/27/2010	32.01	1
9/6/2011	31.90	5

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI323 9/7/2011 *Field Data (2011 only)*

Arrival Time: *1:30 PM*

Well Name	Well Ownership Info.
Mesa Road No. 1	*Nerd Gas*

Well Locked ☐

Is Well Covered? *Other*

Well Covering Notes: *well is not sealed - see photos*

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *no*

Water Level Notes: *well is not accessible for water level*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:38 PM	*9.18*	*494*	*247*	*10.4*
1:41 PM	*9.19*	*486*	*242*	*9.5*
1:44 PM	*9.2*	*616*	*310*	*9.6*
1:47 PM	*9.37*	*637*	*319*	*9.8*
1:50 PM	*9.4*	*639*	*320*	*10.1*
1:53 PM	*9.28*	*640*	*320*	*10.3*
1:56 PM	*9.38*	*645*	*323*	*10.4*
1:59 PM	*9.29*	*651*	*326*	*10.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717815	*593114*	*6919*	*19.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:00 PM	*1:55 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *02)SCCD Y attached to hydrant at well*

DRO bottles filled from: *02)SCCD Y attached to hydrant at well*

Rest of bottles filled from: *02)SCCD Y attached to hydrant at well*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *250 AMI323 DA11*

Sampling Method: *other pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 74

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/16/2009	*3:40 PM*	*5*	152	21	6	0.4	4	1	77	85	450	301
9/20/2010	*2:40 PM*	*5*	308	2	12	3.6	0	0	150	12	604	367
9/20/2010	*2:45 PM*	*5*	308	2	13	3.7	0	0	154	13	600	373
9/7/2011	*1:55 PM*	*5*	291	2	12	3.6	0	0	161	13	623	358

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/16/2009	*3:40 PM*	0	0						
9/20/2010	*2:40 PM*	0	0						
9/20/2010	*2:45 PM*	0	0						
9/7/2011	*1:55 PM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/16/2009	*3:39 PM*	8.13	10	445	222
9/20/2010	*2:44 PM*	9.36	10.3	649	325
9/7/2011	*1:59 PM*	9.29	10.3	651	326

Water Level Data

	Water Level	*
9/16/2009		3
9/20/2010		3
9/7/2011		3

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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AMI324 9/6/2011 *Field Data (2011 only)*

Arrival Time: *11:21 AM*

Well Name	Well Ownership Info.
Sand Draw Lot 12 Well	*Mark & Renee Jones / The Station*

Is Well Covered? *Metal cap/covering*

Well Locked ☐

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*58.8*

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:37 AM	*9.56*	*624*	*312*	*9.5*
11:40 AM	*9.58*	*614*	*306*	*8.4*
11:43 AM	*9.57*	*615*	*308*	*8*
11:46 AM	*9.57*	*613*	*306*	*8.2*
11:49 AM	*9.55*	*614*	*307*	*8.1*
11:52 AM	*9.55*	*613*	*307*	*8*
11:55 AM	*9.52*	*615*	*307*	*8.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717858	*611942*	*7256*	*16.4*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:56 AM	*11:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:

Metals portion of sample filtered in field? ☑

GRO bottles filled from: *01)SCCD Y attached to outside faucet*

DRO bottles filled from: *01)SCCD Y attached to outside faucet*

Rest of bottles filled from: *01)SCCD Y attached to outside faucet*

Bottle Fill Notes:

Sample Bottle Notes / Sample ID: *249 AMI324 DA11*

Sampling Method: *standard or house-hold pump*

Bailing Data (when applicable)

Sample Depth Proposed (ft):

Sample Depth Actual (ft):

Bailing Method Used:

Bailers Used:

Other Bailer Notes:

Approximate Outside Temperature (F): 57

Weather Notes: *cloudy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Laboratory Data

		*	Alkalinity (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	Conductivity (umhos/cm)	TDS @180 C (mg/L)
9/6/2011	*11:55 AM*	*3*	79	2	89	0.5	0	0	106	49	564	330

** samples collected by means of: 1, bailers; 2, industrial-use pump; 3, standard pump (house or office use); 4, windmill; 5, other pump; 6, other non-pump; 7, unknown (not recorded)*

Total Petroleum Hydrocarbon Data

		DRO (mg/L)	GRO (mg/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	m+p-Xylenes (ug/L)	o-Xylene (ug/L)	Toluene (ug/L)	Non Polar Materials (SGT_HEM) (ug/L)
9/6/2011	*11:55 AM*	0	0						
Cleanup levels used by WYDEQ:		*1.1 or 10 mg/L*	*7.3 mg/L*	*5 ug/L*	*700 ug/L*	*10,000 ug/L*	*10,000 ug/L*	*1,000 ug/L*	

(The clean up level for DRO can be 1.1 mg/L or 10 mg/L depending on the results of parameters not tested for by SCCD)

If hydrocarbon results exceed WYDEQ clean-up levels, data will print in red and italics.

BTEX results above are from method SW 8021. For method SW8260B resutls, see Table 3. History of Water Wells With Hydrocarbon Detection 01/01/04 - 12/31/11.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
9/6/2011	*11:55 AM*	9.52	8.1	615	307

Water Level Data

	Water Level	*
9/6/2011	58.80	5

Results within Field Data represent the last set of measurements recorded that day.

Water level results are an average of any water level readings taken that day.

** water level measured by means of: 1, Solinst Water Level Tape (300 ft); 3, not measured due to: well was not accessible, pump was active, or other reason; 4, unknown or not recorded within database; 5, Sonic Water Level Meter; 6, Solinst Water Level Tape (1000 ft)*

If results are blank, parameter was not analyzed or unavailable.

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