Table 2. Water Well Field Data, 01/01/12—12/31/12

Plus Historical Results, 01/01/04—12/31/12:

Wells Permitted for Miscellaneous-use

Data collected by the Sublette County Conservation District

Appendix A

Pinedale Anticline Ground Water Data Summary

February 2013 - *Revised March 2013*

Volume 3 of 4

Sublette County Conservation District

Delsa Allen, Ground Water Program Manager

dallen@sublettecd.com • www.sublettecd.com

P.O. Box 647 / 1625 W. Pine Street, Pinedale Wyoming

Arrival Time: *3:39 PM*

Well Name *Mesa 15-8*

Well Ownership Info. *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *no, but was run earlier today*

Water Level Notes: *Could not get a solid reading with the Sonic*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:46 PM	9.31	677	340	16.5
3:49 PM	9.37	584	293	12.9
3:52 PM	9.36	597	299	12.2
3:55 PM	9.45	599	301	12
3:58 PM	9.45	602	301	12.1
4:01 PM	9.46	602	301	12.2

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4734336	593638	7520	17.3

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *4:04 PM*

Time Used on Bottle Labels: *4:04 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: *240 AMI007 DA12*

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): 82

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Al 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	*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
8/28/2012	*4:04 PM*	*2*	195	1	11	0.8	0	0	133	89	578	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)
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						
8/28/2012	*4:04 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 - 12/31/12.

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
8/28/2012	*4:01 PM*	9.46	12.2	602	301

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
8/28/2012		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: *11:31 AM*

Well Name *Warbonnet 9-23*

Well Ownership Info. *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*427*

Pump Activity Upon Arrival? *No*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
234428	*234505*	*12:07 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:42 AM	*9.49*	*657*	*329*	*12.1*
11:45 AM	*9.69*	*629*	*314*	*12*
11:48 AM	*9.84*	*626*	*313*	*11.9*
11:51 AM		*618*	*310*	*11.9*
11:54 AM	*9.88*	*615*	*307*	*12*
11:57 AM	*9.87*	*612*	*306*	*12*
12:00 PM	*9.89*	*614*	*307*	*12*
12:03 PM	*9.87*	*610*	*306*	*12.1*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4711948	*608524*	*7390*	*13.1*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:07 PM*

Time Used on Bottle Labels: *12:07 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: *198 AMI008 DA12 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): 69

Weather Notes: *Partly cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

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)
12/29/2004	*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
7/17/2012	*12:07 PM*	*2*	139	0	19	3.2	0	0	136	103	584	364

** 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						
7/17/2012	*12:07 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 - 12/31/12.

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
7/17/2012	*12:03 PM*	9.87	12.1	610	306

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
7/17/2012	427.00	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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Arrival Time: *11:02 AM*

Well Name	Well Ownership Info.
Falcon 1-36	*was Shell's (now being used for stock by Erramouspe's)*

Well Locked ☑

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*325.5*

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)
11:40 AM	*9.63*	*772*	*387*	*12.1*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709611	*610237*	*7300*	*13.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

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: *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: *219 AMI011 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): *77*

Weather Notes: *clear, 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)
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
8/7/2012	*11:40 AM*	*1*	165	1	24	1.3	0	0	146	147	741	445

** 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						
8/7/2012	*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 - 12/31/12.

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
8/7/2012	*11:40 AM*	9.63	12.1	772	387

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
8/7/2012	325.50	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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Arrival Time: *3:34 PM*

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	*445.9*

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)
4:12 PM	*9.13*	*763*	*382*	*14.5*

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
4732387	*596164*	*7463*	*17*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:12 PM	*4:12 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 AMI014 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *545*

Sample Depth Actual (ft): *545*

Bailing Method Used: *New 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

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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
9/13/2012	*4:12 PM*	*1*	393	2	4	0.4	0	4	172	3	731	410

** 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						
9/13/2012	*4:12 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 - 12/31/12.

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
9/13/2012	*4:12 PM*	9.13	14.5	763	382

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
9/13/2012	445.90	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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Arrival Time: *2:39 PM*

Well Name	Well Ownership Info.
Antelope 15-23	*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	*174.8*

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)
3:43 PM	*8.97*	*1270*	*635*	*12.7*

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
4702143	*617962*	*7170*	*16.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:43 PM	*3:43 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:
261 AMI018 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *563.5*

Sample Depth Actual (ft): *563.5*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 73

Weather Notes:
clear, breezy

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Arrival Time: *10:00 AM*

Well Name	Well Ownership Info.
Antelope 15-23	*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	*174.4*

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)
10:45 AM	*9*	*1295*	*648*	*9.2*

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
4702139	*617961*	*7176*	*17.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:45 AM	*10:45 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: *304 AMI018 DA12 N*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *563.5*

Sample Depth Actual (ft): *563.5*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 41

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	Loren Racich

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Glenn Owings 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)
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
9/18/2012	*3:43 PM*	*1*	143	3	11	2.2	0	0	265	406	1230	760
10/30/2012	*10:45 AM*	*1*	143	3	12	2.2	0	0	279	406	1210	795

** 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						
9/18/2012	*3:43 PM*	**1.2**	0						
10/30/2012	*10:45 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 - 12/31/12.

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
9/18/2012	*3:43 PM*	8.97	12.7	1270	635
10/30/2012	*10:45 AM*	9.00	9.2	1295	648

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
9/18/2012	174.80	5
10/30/2012	174.40	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: *2:47 PM*

Well Name *Stewart Point 11-34*

Well Ownership Info. *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	*517*

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)
3:58 PM	*9.41*	*547*	*274*	*14*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737143	*593442*	*7528*	*14*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:58 PM*

Time Used on Bottle Labels: *3:58 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: *253 AMI019 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *615*

Sample Depth Actual (ft): *615*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 52

Weather Notes: *mostly to partly cloudy, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

One of the bailers came up partially empty - only filled one of the 1-liter 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)
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
9/10/2012	*3:58 PM*	*1*	191	1	6	1.5	0	0	117	57	513	319

** 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						
9/10/2012	*3:58 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 - 12/31/12.

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
9/10/2012	*3:58 PM*	9.41	14	547	274

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
9/10/2012	517.00	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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Arrival Time: *2:50 PM*

Well Name *Mocroft 11-22 W*

Well Ownership Info. *Sylvia Sandoval*

Well Locked ☐

Is Well Covered? *See Notes*

Well Covering Notes: *Metal covering on outer casing, PVC cap on inner casing*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*29.7*

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)
3:45 PM	*8.75*	*541*	*273*	*15.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740743	*593703*	*7131*	*13.8*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:45 PM	*3:45 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: *235 AMI020 DA12*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *229*

Sample Depth Actual (ft): *229*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): *77*

Weather Notes: *clear, windy*

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)
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
8/23/2012	*3:45 PM*	*1*	219	18	2	0.2	2	2	130	19	448	260

** 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						
8/23/2012	*3:45 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 - 12/31/12.

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
8/23/2012	*3:45 PM*	8.75	15.4	541	273

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
8/23/2012	29.70	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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Arrival Time: *2:58 PM*

Well Name *Mocroft 1-21 WW*

Well Ownership Info. *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	*37.2*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741636	*592811*	*7155*	*14.1*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:55 PM*

Time Used on Bottle Labels: *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: *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: *239 AMI023 DA12*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *255*

Sample Depth Actual (ft): *255*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 81

Weather Notes: *mostly cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Field parameters could not be taken due to lack of sample volume - bailers were not full and were leaking.

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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
8/27/2012	*3:55 PM*	*1*	315	5	7	0.4	2	1	268	264	1190	725

** 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						
8/27/2012	*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 - 12/31/12.

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

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

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
8/27/2012	37.20	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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Arrival Time: *9:26 AM*

Well Name *Mesa 3-20*

Well Ownership Info. *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *yes, a couple of hours*

Water Level Notes: *Water level not taken due to pump activity.*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:30 AM	9.36	556	278	14.8
9:33 AM	9.39	557	279	14.7
9:36 AM	9.43	558	279	14.6
9:39 AM	9.44	558	278	14.6
9:42 AM	9.44	559	279	14.6
9:45 AM	9.44	559	279	14.6

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
4732413	593164	7469	15

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *9:49 AM*

Time Used on Bottle Labels: *9:49 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: *bottles filled from smaller tubing coming from pipe near well (see photos)*

Sample Bottle Notes / Sample ID: *248 AMI027 DA12 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): 57

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present for some of the time.

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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
9/5/2012	*9:49 AM*	*2*	220	1	6	1.9	0	0	124	48	534	322

** 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						
9/5/2012	*9:49 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 - 12/31/12.

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
9/5/2012		3

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9/5/2012	*9:45 AM*	9.44	14.6	559	279

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: *1:59 PM*

Well Name *Stewart Point 11-33*

Well Ownership Info. *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *yes, over an hour*

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

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:05 PM	9.23	575	289	15.1
2:08 PM	9.48	536	269	14.4
2:11 PM	9.52	538	270	14.1
2:14 PM	9.52	538	270	14.1
2:17 PM	9.53	539	270	14.1

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737442	592154	7548	13.7

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *2:22 PM*

Time Used on Bottle Labels: *2:22 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: *240 AMI028 DA12 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): 85

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Al 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	*12:10 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
8/28/2012	*2:22 PM*	*2*	203	1	3	1.4	0	0	122	56	520	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)
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						
8/28/2012	*2:22 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 - 12/31/12.

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
8/28/2012	*2:17 PM*	9.53	14.1	539	270

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
8/28/2012		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: *2:41 PM*

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:

Water Meter Data (when available)

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

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:51 PM	9.31	675	338	12.5
2:54 PM	9.51	617	309	11.9
2:57 PM	9.51	623	312	11.9
3:00 PM	9.56	627	314	11.9
3:03 PM	9.56	630	316	11.9
3:06 PM	9.56	637	319	11.9
3:09 PM	9.56	645	323	11.9
3:12 PM	9.56	650	326	12
3:15 PM	9.56	656	328	12

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4736023	*592749*	*7529*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:19 PM	*3:19 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: *240 AMI029 DA12 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): 84

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Al with Warco Pumps also present. One 10 foot hose was used to collect water samples from. This hose was previously used today, last at AMI121.

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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
8/28/2012	*3:19 PM*	*2*	190	1	6	1.4	0	0	145	110	631	377

** 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						
8/28/2012	*3:19 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 - 12/31/12.

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
8/28/2012	*3:15 PM*	9.56	12	656	328

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
8/28/2012		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: *2:15 PM*

Well Name *Stewart Point 5-20*

Well Ownership Info. *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	*326.9*

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)
3:00 PM	*9.14*	*689*	*345*	*12.7*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741352	*590173*	*7407*	*13.6*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:00 PM*

Time Used on Bottle Labels: *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: *249 AMI030 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *650*

Sample Depth Actual (ft): *650*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 68

Weather Notes: *mostly 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)
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
9/6/2012	*3:00 PM*	*1*	198	1	7	1.9	0	0	148	117	650	398

** 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						
9/6/2012	*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 - 12/31/12.

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
9/6/2012	*3:00 PM*	9.14	12.7	689	345

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
9/6/2012	326.90	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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Arrival Time: *9:46 AM*

Well Name *Highway / Federal #11*

Well Ownership Info. *Yates*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *well was unlocked by a Yates representative prior to our arrival*

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*227*

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)
10:47 AM	*9.76*	*1311*	*656*	*10.7*

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
4708009	*615775*	*7286*	*16.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:47 AM	*10:47 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: *267 AMI033 DA12 Y*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *650*

Sample Depth Actual (ft): *650*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 59

Weather Notes: *mostly cloudy, slight breeze*

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)
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
9/24/2012	*10:47 AM*	*1*	118	6	11	2.6	0	0	293	443	1270	783

** 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	
9/24/2012	*10:47 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 - 12/31/12.

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
9/24/2012	*10:47 AM*	9.76	10.7	1311	656

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
9/24/2012	227.00	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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Arrival Time: *9:26 AM*

Well Name: *County Shop #1*

Well Ownership Info.: *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: *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)
9:37 AM	9.11	264	132	18
9:40 AM	9.2	256	128	19.5
9:43 AM	9.25	261	130	15.3
9:46 AM	9.26	254	127	14.9
9:49 AM	9.28	261	131	14.3
9:52 AM	9.28	260	131	14.2
9:55 AM	9.29	250	125	14
9:58 AM	9.28	261	131	14

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740957	595342	7194	18.3

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *10:01 AM*

Time Used on Bottle Labels: *10:01 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: *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: *234 AMI036 DA12*

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): 68

Weather Notes: *mostly 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
8/22/2012	*10:01 AM*	*3*	117	0	3	0.1	0	0	61	12	251	142

** 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						
8/22/2012	*10:01 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 - 12/31/12.

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
8/22/2012	*9:58 AM*	9.28	14	261	131

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3
8/22/2012		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: *3:03 PM*

Well Name	Well Ownership Info.
Warbonnet 13-19	*old industrial well, now used as BLM stock well*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*276.3*

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
4711517	*600882*	*7265*	*16.4*

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):

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

No samples were collected - there isn't a place to collect water near the well.

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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 - 12/31/12.

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
9/27/2012	276.30	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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Arrival Time: *10:14 AM*

Well Name	Well Ownership Info.
Mesa Lovatt Draw 15-8	*BLM - Stock well (old industrial 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: *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)
10:31 AM	*8.83*	*993*	*497*	*8.6*
10:34 AM	*8.68*	*986*	*493*	*8.9*
10:37 AM	*8.67*	*983*	*492*	*9*
10:40 AM	*8.7*	*981*	*491*	*9.1*
10:43 AM	*8.72*	*982*	*492*	*9.1*
10:46 AM	*8.72*	*983*	*491*	*9.1*

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
4724719	*593610*	*7120*	*15.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:48 AM	*10:48 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: *145 AMI043 DA12*

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): 41

Weather Notes: *Cloudy, breezy, just about to rain*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Charles Price 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)
8/24/2004	*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
5/25/2012	*10:48 AM*	*3*	197	20	20	1.6	7	2	188	218	940	568

** 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						
5/25/2012	*10:48 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 - 12/31/12.

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
5/25/2012	*10:46 AM*	8.72	9.1	983	491

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
5/25/2012		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: *2:48 PM*

Well Name: *Crosswinds #1*

Well Ownership Info.: *Ryan Persinger*

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?: *Yes, using water 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)
3:03 PM	8.55	326	163	11.1
3:06 PM	8.6	328	164	8.8
3:09 PM	8.58	323	164	8.3
3:12 PM	8.57	329	165	7.9
3:15 PM	8.55	329	165	7.9
3:18 PM	8.53	330	165	7.9

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4746557	591150	7184	14.8

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:22 PM*

Time Used on Bottle Labels: *3:22 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: *190 AMI047 DA12*

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: *Calm, partly cloudy*

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)
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
7/9/2012	*3:22 PM*	*3*	127	12	8	0.4	2	1	60	23	319	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)
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						
7/9/2012	*3:22 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 - 12/31/12.

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
7/9/2012	*3:18 PM*	8.53	7.9	330	165

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
7/9/2012		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: *11:18 AM*

Well Name: *Dew Lumber #1*

Well Ownership Info.: *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: *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)
11:24 AM	9.4	478	238	20.2
11:27 AM	9.41	462	230	21
11:30 AM	9.44	490	246	16.4
11:33 AM	9.46	489	245	14.4
11:36 AM	9.47	504	253	12.7
11:39 AM	9.48	513	257	12.9
11:42 AM	9.49	507	253	14.1
11:45 AM	9.5	501	252	13

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745843	588750	7247	15.1

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *11:48 AM*

Time Used on Bottle Labels: *11:48 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: *228 AMI064 DA12*

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): 61

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)
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
8/16/2012	*11:48 AM*	*3*	217	1	2	4.1	0	0	112	36	487	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)
10/4/2004	*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						
8/16/2012	*11:48 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 - 12/31/12.

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
8/16/2012	*11:45 AM*	9.50	13	501	252

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
8/16/2012		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: *11:02 AM*

Well Name: *Dew Lumber #2*

Well Ownership Info.: *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?: *yes, all morning in greenhouse & shop*

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

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	9.13	762	384	11
11:18 AM	9.31	745	373	8.7
11:21 AM	9.36	738	369	8.4
11:24 AM	9.38	729	364	8.4
11:27 AM	9.41	721	361	8.1
11:30 AM	9.43	704	351	8.1
11:33 AM	9.47	690	343	8
11:36 AM	9.48	675	337	7.9
11:39 AM	9.47	663	330	7.9

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745740	588662	7257	16.4

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *11:45 AM*

Time Used on Bottle Labels: *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: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *SCCD L attached to SCCD Y attached to faucet at base of pressure tank inside well house.*

Sample Bottle Notes / Sample ID: *220 AMI065 DA12*

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: *calm & hazy*

SCCD Personnel Present: *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)
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
8/8/2012	*11:45 AM*	*3*	213	2	5	0.9	0	0	131	91	611	373

** 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						
8/8/2012	*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 - 12/31/12.

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
8/8/2012	*11:39 AM*	9.47	7.9	663	330

Water Level Data

	Water Level	*
8/5/2008		3
8/11/2009		3
9/7/2010		3
8/10/2011		3
8/8/2012		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: *2:15 PM*

Well Name: *Flugel #2*

Well Ownership Info.: *Harry Seaton*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *heavy metal plate over well head in ground*

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival? *yes, drip system on per Harry*

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

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:23 PM	8.36	1066	532	14.7
2:26 PM	8.88	1067	539	8.5
2:29 PM	8.98	1066	528	8.7
2:32 PM	9.02	1065	532	8.2
2:35 PM	9.01	1067	537	7.8
2:38 PM	9.03	1073	537	7.7
2:41 PM	9.06	1076	538	7.6
2:44 PM	9.06	1069	539	7.6

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745093	588578	7292	14.1

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *2:49 PM*

Time Used on Bottle Labels: *2:49 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: *220 AMI066 DA12*

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): 84

Weather Notes: *calm & hazy*

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)
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
8/8/2012	*2:49 PM*	*3*	167	4	24	2.1	0	0	212	279	1020	643

** 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						
8/8/2012	*2:49 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 - 12/31/12.

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
8/8/2012	*2:44 PM*	9.06	7.6	1069	539

Water Level Data

	Water Level	*
11/14/2008	59.95	1
8/6/2009		3
9/13/2010		3
8/18/2011		3
8/8/2012		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: *10:33 AM*

Well Name: *Driggs #2*

Well Ownership Info.: *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	*9.4*

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)
10:43 AM	7.61	490	244	29
10:46 AM	7.64	477	238	32.5
10:49 AM	7.64	476	238	32.3
10:52 AM	7.63	477	238	31.5
10:55 AM	7.63	474	237	30.7
10:58 AM	7.62	475	238	30.3
11:01 AM	7.62	476	237	29.7
11:04 AM	7.62	476	238	29.1
11:07 AM	7.62	476	238	28.6
11:10 AM	7.62	476	238	28.2
11:13 AM	7.62	475	238	27.8
11:16 AM	7.62	474	238	27.5
11:19 AM	7.62	475	238	27.1
11:22 AM	7.62	474	238	26.8
11:25 AM	7.63	476	237	26.6
11:28 AM	7.63	476	238	26.3

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4746684	*590635*	*7195*	*16.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *11:31 AM*

Time Used on Bottle Labels: *11:31 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: *197 AMI075 DA12*

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: *Partly cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Abnormal higher temperature readings from this well.Water temperature was also high last year. There is a sulfer smell to the 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
7/16/2012	*10:33 AM*	*3*	238	77	3	0.2	12	3	13	8	463	256

** 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						
7/16/2012	*10:33 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 - 12/31/12.

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
7/16/2012	*11:28 AM*	7.63	26.3	476	238

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
7/16/2012	9.40	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: *2:32 PM*

Well Name: *Riverside 1-4*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

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)
2:44 PM	8.93	555	280	13.3
2:47 PM	8.98	582	290	13.7
2:50 PM	8.99	573	286	13.7
2:53 PM	9.05	579	289	13.7
2:56 PM	9.04	584	292	13.7
2:59 PM	9.03	583	291	13.7
3:02 PM	9.03	582	291	13.7
3:05 PM	9.04	582	291	13.7

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727535	595560	7152	14.2

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *3:07 PM*

Time Used on Bottle Labels: *3:07 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: *204 AMI078 DA12 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): 75

Weather Notes: *Cloudy and windy*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Water was black on first field sample and then cleared up. It appeared that pipe dope (white) was also in the first couple of field samples.

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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
7/23/2012	*3:07 PM*	*2*	290	1	2	2.7	0	0	150	45	672	392

** 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						
7/23/2012	*3:07 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 - 12/31/12.

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
7/23/2012	*3:05 PM*	9.04	13.7	582	291

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
7/23/2012		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: *11:43 AM*

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

Well Locked ☑

Is Well Covered? *Industrial pump in place*

Well Covering Notes:
Well is artesian, but industrial pump is installed. Well house building was locked upon arrival.

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
1	*74*	*12:18 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:48 AM	*9.1*	*549*	*271*	*13*
11:51 AM	*9.24*	*541*	*270*	*11.6*
11:54 AM	*9.28*	*543*	*270*	*11.3*
11:57 AM	*9.28*	*541*	*270*	*11.5*
12:00 PM	*9.28*	*537*	*268*	*11.3*
12:03 PM	*9.28*	*543*	*272*	*11.5*
12:06 PM	*9.3*	*540*	*269*	*11.6*
12:09 PM	*9.27*	*545*	*272*	*11.7*
12:12 PM	*9.28*	*536*	*269*	*11.7*
12:15 PM	*9.28*	*545*	*271*	*11.7*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4725269	*598893*	*6925*	*14.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:18 PM	*12:18 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: *204 AMI082 DA12 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

Sharon Harrell	

Overall Field / Sample Notes
John with Premier Pumps also present. John hooked hose to well to allow artesian well to flow. Flow not sufficient to run appropriate number of barrels, so started pump at 12:03pm and with 9 barrels on meter.

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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
7/23/2012	*12:18 PM*	*2*	288	1	4	4.3	0	0	162	18	626	351

** 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						
7/23/2012	*12:18 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 - 12/31/12.

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
7/23/2012	*12:15 PM*	9.28	11.7	545	271

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
7/23/2012		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: *10:46 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	*29.8*

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)
11:18 AM	*9.24*	*556*	*279*	*12.3*

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
4727633	*601074*	*6981*	*13.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:18 AM	*11:18 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: *262 AMI092 DA12*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *140*

Sample Depth Actual (ft): *140*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 66

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

One of the bailers was half empty - 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)
11/10/2008	*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
9/19/2012	*11:18 AM*	*1*	202	1	7	2.4	0	0	118	44	524	317

** 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						
9/19/2012	*11:18 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 - 12/31/12.

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
9/19/2012	*11:18 AM*	9.24	12.3	556	279

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
9/19/2012	29.80	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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Arrival Time: *9:47 AM*

Well Name *Stewart Point 15-17*

Well Ownership Info. *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	*222.8*

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)
10:53 AM	*9.48*	*420*	*211*	*12.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4741852	*590914*	*7300*	*16.2*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *10:53 AM*

Time Used on Bottle Labels: *10:53 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: *249 AMI111 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *781*

Sample Depth Actual (ft): *781*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 54

Weather Notes: *mostly cloudy, 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)
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
9/6/2012	*9:47 AM*	*1*	200	0	2	1.1	0	0	92	3	390	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)
10/21/2004	*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						
9/6/2012	*9:47 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 - 12/31/12.

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
9/6/2012	*10:53 AM*	9.48	12.5	420	211

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
9/6/2012	222.80	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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Arrival Time: *9:45 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, but was run earlier today (approx. 1/2 hour ago). Well has also been run off and on every day as there is an active rig on this location.

Water Level Notes:

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)
9:54 AM	*9.13*	*570*	*285*	*14.4*
9:57 AM	*9.25*	*529*	*265*	*14.9*
10:00 AM	*9.29*	*543*	*272*	*14.8*
10:03 AM	*9.27*	*550*	*275*	*14.8*
10:06 AM	*9.27*	*555*	*278*	*14.8*
10:09 AM	*9.25*	*555*	*277*	*14.8*

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
4733919	*593225*	*7496*	*16.7*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:11 AM	*10:11 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:

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:

163 AMI112 DA12Q

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:

Cloudy, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps was also present. Hose where sample was collected from is a 50 foot 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)
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
6/12/2012	*10:11 AM*	*2*	236	1	3	1.9	0	0	136	37	540	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)
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						
6/12/2012	*10:11 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 - 12/31/12.

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
6/12/2012	*10:09 AM*	9.25	14.8	555	277

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
6/12/2012		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: *11:36 AM*

Well Name: *Stewart Point 11-21*

Well Ownership Info.: *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	*157.9*

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)
12:40 PM	*9.25*	*483*	*243*	*15*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740819	*592178*	*7207*	*13.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *12:40 PM*

Time Used on Bottle Labels: *12:40 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: *249 AMI113 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *755*

Sample Depth Actual (ft): *755*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 63

Weather Notes: *mostly 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)
11/8/2004	*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
9/6/2012	*12:40 PM*	*1*	226	1	4	2	0	0	109	13	460	274

** 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						
9/6/2012	*12:40 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 - 12/31/12.

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
9/6/2012	*12:40 PM*	9.25	15	483	243

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
9/6/2012	157.90	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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Arrival Time: *10:32 AM*

Well Name: *Mesa 6-16*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival? *yes, for approximately 3.5 hours*

Water Level Notes: *Water level not taken due to pump activity.*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:35 AM	9.42	550	275	15.4
10:38 AM	9.47	551	275	15.4
10:41 AM	9.51	542	272	15.5
10:44 AM	9.51	538	269	15.5
10:47 AM	9.52	536	268	15.5
10:50 AM	9.52	536	267	15.5

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
4733535	594847	7492	16.2

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *10:55 AM*

Time Used on Bottle Labels: *10:55 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time: *10:55 AM*

Time Used on Bottle Labels: *00:00*

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: *248 AMI114 DA12 Q and 248 AB019 DA12 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): 61

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present. Duplicate samples 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)
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
9/5/2012	*10:55 AM*	*2*	231	0	8	1.5	0	0	118	33	513	307
9/5/2012	*10:55 AM*	*2*	223	0	8	1.5	0	0	118	33	512	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)
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						
9/5/2012	*10:55 AM*	0	0						
9/5/2012	*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 - 12/31/12.

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
9/5/2012	*10:50 AM*	9.52	15.5	536	267

Water Level Data

	Water Level	*
9/22/2008		3
8/26/2010	496.65	6
9/8/2011		3
9/5/2012		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: *10:01 AM*

Well Name: *Mesa 12-16*

Well Ownership Info.: *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	*505.4*

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)
10:55 AM	*9.34*	*712*	*357*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4733274	*594338*	*7488*	*21.3*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *10:55 AM*

Time Used on Bottle Labels: *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: *260 AMI115 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *720*

Sample Depth Actual (ft): *720*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes: *hazy, 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)
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
9/17/2012	*10:55 AM*	*1*	189	2	12	1.4	0	0	152	124	688	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)
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						
9/17/2012	*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 - 12/31/12.

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
9/17/2012	*10:55 AM*	9.34	12.1	712	357

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
9/17/2012	505.40	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: *4:12 PM*

Well Name: *Mesa 14-16*

Well Ownership Info.: *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	*491.2*

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)
4:48 PM	*9.56*	*722*	*361*	*13.5*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732834	*594867*	*7462*	*15.1*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *4:48 PM*

Time Used on Bottle Labels: *4:48 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: *260 AMI116 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *711*

Sample Depth Actual (ft): *711*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 66

Weather Notes: *hazy, 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)
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
9/17/2012	*4:48 PM*	*1*	182	2	16	1.6	0	0	144	118	690	397

** 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						
9/17/2012	*4:48 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 - 12/31/12.

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
9/17/2012	*4:48 PM*	9.56	13.5	722	361

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
9/17/2012	491.20	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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Arrival Time: *12:36 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	*487.2*

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)
2:13 PM	*9.14*	*842*	*423*	*15.1*

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
4733014	*595595*	*7478*	*14*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:13 PM	*2:13 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: *253 AMI117 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *745*

Sample Depth Actual (ft): *745*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes: *mostly cloudy, breezy, started to rain before we left the location*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

One of the bailers came up partially empty - we only filled one of the 1-liter 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)
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
9/10/2012	*2:13 PM*	*1*	181	1	11	0.8	0	0	166	162	755	474

** 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						
9/10/2012	*2:13 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 - 12/31/12.

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
9/10/2012	*2:13 PM*	9.14	15.1	842	423

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
9/10/2012	487.20	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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Arrival Time: *11:35 AM*

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
Sonic Water Level Meter	*484.2*

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)
12:18 PM	*9.14*	*758*	*378*	*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
4733064	*595239*	*7477*	*15.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:18 PM	*12:18 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:
260 AMI118 DA12 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *723*

Sample Depth Actual (ft): *723*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 59

Weather Notes:
hazy, 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)
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
9/17/2012	*12:18 PM*	*1*	203	2	7	0.5	0	0	159	142	732	445

** 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						
9/17/2012	*12:18 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 - 12/31/12.

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
9/17/2012	*12:18 PM*	9.14	12.6	758	378

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
9/17/2012	484.20	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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Arrival Time: *9:49 AM*

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

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*494.9*

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)
9:57 AM	*8.92*	*528*	*265*	*9.3*
10:00 AM	*9.59*	*522*	*261*	*13.3*
10:03 AM	*9.61*	*523*	*262*	*13.4*
10:06 AM	*9.61*	*524*	*262*	*13.4*
10:09 AM	*9.61*	*521*	*260*	*13.5*
10:12 AM	*9.61*	*518*	*259*	*13.8*
10:15 AM	*9.61*	*520*	*260*	*13.6*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732633	*595190*	*7479*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:18 AM	*10:18 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: *240 AMI119 DA12 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

Al and Richard with Warco Pumps also present. Two 10 foot hoses were used to collect water from. These hoses were also used at the previously sampled well (AMI120). 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	*3:55 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
8/28/2012	*10:18 AM*	*2*	223	0	17	2	0	0	118	17	501	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)
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						
8/28/2012	*10:18 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 - 12/31/12.

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
8/28/2012	*10:15 AM*	9.61	13.6	520	260

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
8/28/2012	494.90	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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Arrival Time: *9:02 AM*

Well Name: *Mesa 16-16*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*485.3*

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)
9:08 AM	*9.32*	*682*	*342*	*9.9*
9:12 AM	*9.31*	*770*	*385*	*11.4*
9:15 AM	*9.35*	*753*	*376*	*11.7*
9:18 AM	*9.35*	*760*	*380*	*11.8*
9:21 AM	*9.36*	*763*	*381*	*11.9*
9:24 AM	*9.36*	*767*	*384*	*11.9*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732767	*595624*	*7476*	*14.8*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *9:29 AM*

Time Used on Bottle Labels: *9:29 AM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time: *9:29 AM*

Time Used on Bottle Labels: *00:00*

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: *240 AMI120 DA12 Q and 240 AB018 DA12 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): 68

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

Al and Richard with Warco Pumps also present. Two 10 ft hoses were used to collect water from.

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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
8/28/2012	*9:29 AM*	*2*	194	2	8	0.6	0	0	165	153	735	433
8/28/2012	*9:29 AM*	*2*	193	2	8	0.6	0	0	167	151	736	438

** 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						
8/28/2012	*9:29 AM*	0	0						
8/28/2012	*9:29 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 - 12/31/12.

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
8/28/2012	*9:24 AM*	9.36	11.9	767	384

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
8/28/2012	485.30	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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Arrival Time: *10:32 AM*

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
Sonic Water Level Meter	*485.2*

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)
10:40 AM	*8.89*	*723*	*361*	*9.7*
10:43 AM	*9.29*	*720*	*359*	*13*
10:46 AM	*9.39*	*717*	*359*	*13.6*
10:49 AM	*9.36*	*725*	*362*	*13.8*
10:52 AM	*9.41*	*725*	*363*	*14*
10:55 AM	*9.42*	*723*	*362*	*14.2*
10:58 AM	*9.43*	*723*	*362*	*14.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731868	*595263*	*7485*	*14.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:01 AM	*11:01 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: *240 AMI121 DA12 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): 73

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Al and Richard with Warco Pumps also present. One 10 foot hose was used to collect water from. This hoses was also used at the previously sampled well (AMI119).

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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
8/28/2012	*11:01 AM*	*2*	190	2	11	1.1	0	0	160	133	700	417

** 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						
8/28/2012	*11:01 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 - 12/31/12.

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
8/28/2012	*10:58 AM*	9.43	14.3	723	362

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
8/28/2012	485.20	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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Arrival Time: *12:37 PM*

Well Name: *Riverside 8-3*

Well Ownership Info.: *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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
1	*75*	*1:15 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:47 PM	*9.38*	*469*	*236*	*13*
12:50 PM	*9.46*	*473*	*236*	*12.3*
12:53 PM	*9.46*	*473*	*237*	*12.2*
12:56 PM	*9.49*	*474*	*237*	*12.2*
12:59 PM	*9.49*	*466*	*233*	*12.2*
1:02 PM	*9.46*	*473*	*237*	*12.2*
1:05 PM	*9.49*	*474*	*237*	*12.2*
1:08 PM	*9.5*	*474*	*237*	*12.2*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4726902	*597388*	*7037*	*13.5*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *1:15 PM*

Time Used on Bottle Labels: *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: *204 AMI124 DA12 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): 80

Weather Notes: *Partly cloudy, slight breeze to breezy*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Water Meter and above well piping installed upon arrival by John, had not been used yet today.

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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
7/23/2012	*1:15 PM*	*2*	250	0	2	1.8	0	0	124	17	545	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)
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						
7/23/2012	*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 - 12/31/12.

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
7/23/2012	*1:08 PM*	9.50	12.2	474	237

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
7/23/2012		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: *9:05 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:
a reading of 251.7 was obtained with 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)
9:46 AM	*9.92*	*570*	*284*	*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
4707574	*613872*	*7234*	*17.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:46 AM	*9:46 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:
261 AMI131 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *550*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 48

Weather Notes:
clear, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
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)
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
9/18/2012	*9:46 AM*	*1*	177	1	38	11.5	0	0	115	4	542	292

** 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						
9/18/2012	*9:46 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 - 12/31/12.

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
9/18/2012	*9:46 AM*	9.92	11.1	570	284

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
9/18/2012	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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Arrival Time: *10:19 AM*

Well Name: *Riverside 15-12*

Well Ownership Info.: *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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*67*	*11:00 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:33 AM	*9.99*	*503*	*253*	*11*
10:36 AM	*9.51*	*482*	*241*	*10.7*
10:39 AM	*9.48*	*482*	*240*	*10.5*
10:41 AM	*9.51*	*480*	*240*	*10.3*
10:44 AM	*9.52*	*481*	*240*	*10.3*
10:47 AM	*9.51*	*481*	*240*	*10.3*
10:50 AM	*9.52*	*474*	*237*	*10.2*
10:53 AM	*9.52*	*480*	*240*	*10.3*
10:56 AM	*9.52*	*481*	*241*	*10.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724470	*600091*	*6970*	*14.5*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *11:00 AM*

Time Used on Bottle Labels: *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: *204 AMI132 DA12 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 and calm*

SCCD Personnel Present: *Sharon Harrell*

Overall Field / Sample Notes: *BTEX 8260 & 8021 will also be anaylzed. John with Premier Pumps also present. Pump had to be restarted between first and second field sample.*

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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
7/23/2012	*11:00 AM*	*2*	256	0	5	5.2	0	0	134	3	554	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)
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	
7/23/2012	*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 - 12/31/12.

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

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

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9/26/2008	*4:55 PM*	8.83	13.7	528	332	*9/26/2008*	3
10/23/2008	*3:15 PM*	9.37	12.1	562	359	*10/23/2008*	3
5/21/2009	*11:22 AM*	8.86	10.3	482	240	*5/21/2009*	3
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
7/23/2012	*10:56 AM*	9.52	10.3	481	241	*7/23/2012*	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: *8:47 AM*

Well Name *Riverside 2-14*

Well Ownership Info. *Shell*

Well Locked ☐

Is Well Covered? *Other*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level *0*

Pump Activity Upon Arrival? *see main notes*

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)
8:50 AM	9.7	633	317	10.5
8:53 AM	9.94	619	310	10.1
8:56 AM	9.98	617	309	10
8:59 AM	9.98	619	310	9.9
9:02 AM	9.99	617	309	10

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724128	598535	6918	14.9

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *9:06 AM*

Time Used on Bottle Labels: *9:06 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: *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: *213 AMI133 DA12 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): 68

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Well is an artesian well. Well had a packer in place that was removed by Premier Pump personnel approximately 35 minutes prior to our arrival. John and Brett 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
8/1/2012	*9:06 AM*	*6*	272	1	8	6.2	0	0	141	0	589	324

** 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						
8/1/2012	*9:06 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 - 12/31/12.

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
8/1/2012	*9:02 AM*	9.99	10	617	309

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
8/1/2012	0.00	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: *11:34 AM*

Well Name *Rainbow 13-32*

Well Ownership Info. *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	*361.1*

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)
12:20 PM	*9.52*	*938*	*469*	*13.5*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708462	*612150*	*7338*	*13.6*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:20 PM*

Time Used on Bottle Labels: *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: *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: *214 AMI134 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 78

Weather Notes: *mostly clear, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

A trip blank is with this sample set. BTEX 8021 and 8260 will also be analyzed.

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Arrival Time: *11:38 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	*359.8*

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)
12:25 PM	*9.52*	*920*	*459*	*9.5*

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
4708464	*612148*	*7329*	*16.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:25 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:
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 AMI134 DA12 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *605*

Sample Depth Actual (ft): *605*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 36

Weather Notes:
clear, calm to slight breeze

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)
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
8/2/2012	*12:20 PM*	*1*	208	2	9	3.6	0	0	206	168	862	511
10/4/2012	*12:25 PM*	*1*	154	2	9	2.7	0	0	179	234	872	555

** 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	
8/2/2012	*12:20 PM*	0	0	0	0	0	0	0	
10/4/2012	*12:25 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 - 12/31/12.

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
8/2/2012	*12:20 PM*	9.52	13.5	938	469
10/4/2012	*12:25 PM*	9.52	9.5	920	459

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
8/2/2012	361.10	5
10/4/2012	359.80	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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Arrival Time: *3:15 PM*

Well Name: *Warbonnet 7-4*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

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 solid water level reading*

Water Meter Data (when available)

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

Water Meter Notes: *Water meter is not working*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:28 PM	9.43	618	310	12.3
3:31 PM	9.6	600	301	10.8
3:34 PM	9.69	612	306	10.8
3:37 PM	9.67	658	330	10.6
3:40 PM	9.69	652	327	10.6
3:43 PM	9.59	646	324	10.7
3:46 PM	9.68	638	319	10.7
3:49 PM	9.67	632	317	10.6

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717064	604817	7127	13.8

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:52 PM	3:52 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: *198 AMI135 DA12 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): 75

Weather Notes: *Mostly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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)
12/2/2004	*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
7/17/2012	*3:52 PM*	*2*	180	0	43	8	0	0	144	38	599	328

** 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						
7/17/2012	*3:52 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 - 12/31/12.

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
7/17/2012	*3:49 PM*	9.67	10.6	632	317

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
7/17/2012		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: *12:36 PM*

Well Name: *Stewart Point 14-20*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*441.7*

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)
12:46 PM	*9.36*	*627*	*315*	*12.5*
12:49 PM	*9.37*	*639*	*319*	*12.4*
12:52 PM	*9.4*	*648*	*324*	*12.3*
12:55 PM	*9.4*	*648*	*324*	*12.3*
12:58 PM	*9.42*	*644*	*322*	*12.4*
1:01 PM	*9.42*	*638*	*330*	*12.5*
1:04 PM	*9.43*	*635*	*318*	*12.5*
1:07 PM	*9.44*	*620*	*311*	*12.5*
1:10 PM	*9.46*	*609*	*306*	*12.6*
1:13 PM	*9.49*	*603*	*302*	*12.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740327	*590628*	*7493*	*13.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *1:18 PM*

Time Used on Bottle Labels: *1:18 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: *240 AMI139 DA12 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): 80

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

Al and Richard with Warco Pumps also present. Photos were taken after generator had left the location.

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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
8/28/2012	*1:18 PM*	*2*	197	1	5	1.6	0	0	133	83	581	343

** 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						
8/28/2012	*1:18 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 - 12/31/12.

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
8/28/2012	*1:13 PM*	9.49	12.3	603	302

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
8/28/2012	441.70	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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Arrival Time: *10:34 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	*513.7*

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)
11:40 AM	*9.09*	*593*	*297*	*13.9*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4735693	*590916*	*7533*	*12.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

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: *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: *225 AMI140 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *895*

Sample Depth Actual (ft):

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 74

Weather Notes: *hazy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Actual sample depth is unknown. Staff suspected that bailers may have been stuck inside well casing prior to the sample depth.

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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
8/13/2012	*11:40 AM*	*1*	163	3	49	1	0	0	126	52	574	337

** 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	
8/13/2012	*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 - 12/31/12.

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
8/13/2012	*11:40 AM*	9.09	13.9	593	297

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
8/13/2012	513.70	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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Arrival Time: *9:45 AM*

Well Name	Well Ownership Info.
Antelope 1-5	*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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*84*	*10:13 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:48 AM	*9.84*	*566*	*283*	*12*
9:51 AM	*9.93*	*494*	*246*	*13.4*
9:54 AM	*9.96*	*491*	*246*	*13.3*
9:57 AM	*9.96*	*491*	*246*	*13.4*
10:00 AM	*9.96*	*490*	*246*	*13.4*
10:03 AM	*9.96*	*493*	*246*	*13.4*
10:06 AM	*9.97*	*491*	*245*	*13.4*
10:09 AM	*9.97*	*492*	*246*	*13.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4707979	*613315*	*7246*	*13.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:13 AM	*10:13 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: *198 AMI141 DA12 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): 63

Weather Notes: *Mostly clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Exhaust from the generator was blowing towards the area where samples were collected. Meter and above well piping was brought to the location and installed by Premier when they arrived at the location.

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Arrival Time: *12:52 PM*

Well Name	Well Ownership Info.
Antelope 1-5	*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	*296.1*

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)

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
4707977	*613315*	*7265*	*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): 80

Weather Notes:

mostly clear, breezy

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

No samples were collected - we just visited this well for a water level reading.

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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
7/17/2012	*10:13 AM*	*2*	130	0	36	9.7	0	0	110	21	469	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)
7/13/2009	*12:15 PM*	0	0						
7/22/2010	*1:00 PM*	0	0						
9/22/2011	*9:55 AM*	0	0						
7/17/2012	*10:13 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 - 12/31/12.

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
7/17/2012	*10:09 AM*	9.97	13.4	492	246

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

Water Level Data

	Water Level	*
7/13/2009	300.68	6
7/22/2010		3
9/22/2011		3
7/17/2012		3
8/2/2012	296.10	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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Arrival Time: *2:22 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 reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0		

Water Meter Notes: *(ending meter reading was not recorded)*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:31 PM	*9.79*	*563*	*282*	*12.8*
2:34 PM	*9.91*	*556*	*278*	*12*
2:37 PM	*9.79*	*565*	*282*	*11.9*
2:40 PM	*9.76*	*568*	*284*	*12*
2:43 PM	*9.64*	*567*	*284*	*12*
2:46 PM	*9.69*	*566*	*284*	*12*
2:49 PM	*9.88*	*568*	*284*	*12*
2:52 PM	*9.9*	*568*	*283*	*12.1*
2:55 PM	*9.91*	*568*	*284*	*12*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715288	*606084*	*7239*	*15.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:58 PM	*2:58 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: *198 AMI145 DA12 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): 72

Weather Notes: *Partly cloudy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above-well piping was brought from the Antelope 1-5 water well (AMI141) and installed when we arrived to this location. Meter and piping was transported in the trailer that houses the generator Premier uses to run the pumps.

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Arrival Time: *12:50 PM*

Well Name: *Warbonnet 11-10*

Well Ownership Info.: *Shell*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*276.8*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715288	*606855*	*7232*	*15.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 79

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected - we just visited this well for a water level reading.

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Arrival Time: *12:28 PM*

Well Name: *Warbonnet 11-10*

Well Ownership Info.: *Shell*

Well Locked ☑

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*275.3*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715286	*606085*	*7248*	*14.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 57

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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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
7/17/2012	*2:58 PM*	*2*	184	0	44	6.2	0	0	130	5	542	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)
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**	
7/17/2012	*2:58 PM*	0	0	0	0	0	0	**1.1**	
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 - 12/31/12.

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
7/17/2012	*2:55 PM*	9.91	12	568	284

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
7/17/2012		3
8/7/2012	276.80	5
9/26/2012	275.30	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.

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** 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: *10:57 AM*

Well Name: *Antelope 11-10*

Well Ownership Info.: *Shell*

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?

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 Alert Micro#1*

Gas Alarm Readings: *at 1.5 feet into casing LEL was around 8, at 3 feet LEL was around 40, increasing with depth*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705680	*615653*	*7196*	*12.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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, slight breeze*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected due to LEL alarm.

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Arrival Time: *1:27 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	*208.9*

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)
2:40 PM	*9.83*	*530*	*266*	*15.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#2	*LEL was up to 56% prior to displacement (see main notes)*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705675	*615650*	*7174*	*14*

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: *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: *221 AMI146 DA12 A*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *515*

Sample Depth Actual (ft): *515*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 83

Weather Notes: *partly cloudy, slight breeze, then raining after samples were collected*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Tom Hakonson with AMEC was also present to assist SCCD in displacing potential explosive gases from the well casing using nitrogen.

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Arrival Time: *9:48 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)
10:54 AM	*9.9*	*518*	*257*	*12.3*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*LEL was up to 42% prior to nitrogen displacement (see main notes)*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705676	*615650*	*7202*	*17.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:54 AM	*10:54 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:
269 AMI146 DA12 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *515*

Sample Depth Actual (ft): *515*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 57

Weather Notes:
mostly cloudy, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
Tom with AMEC was present to assist us by displacing LEL gases from well casing using nitrogen. 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	*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
8/9/2012	*2:40 PM*	*1*	188	0	34	11	0	0	122	6	521	289
9/26/2012	*9:48 AM*	*1*	174	0	34	11	0	0	118	3	520	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)
11/2/2004	*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	
8/9/2012	*2:40 PM*	0	**0.16**	***6.4***	0	0	0	0	
9/26/2012	*9:48 AM*	0	**0.19**	**4**	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 - 12/31/12.

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

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

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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
8/9/2012	*2:40 PM*	9.83	15.3	530	266
9/26/2012	*10:54 AM*	9.90	12.3	518	257

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

10/28/2009	219.70	6
7/27/2010		3
7/28/2010		3
8/24/2010		3
10/6/2010	208.50	5
10/5/2011		3
10/13/2011	208.50	5
11/22/2011	207.30	5
8/2/2012		3
8/9/2012	208.90	5
9/26/2012		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: *9:58 AM*

Well Name	Well Ownership Info.
Warbonnet 13-14	*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: *No accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
157	*248*	*10:39 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:13 AM	*9.59*	*524*	*124*	*12.3*
10:16 AM	*9.78*	*511*	*256*	*11.8*
10:19 AM	*9.63*	*515*	*258*	*11.8*
10:22 AM	*9.72*	*518*	*259*	*11.8*
10:25 AM	*9.71*	*519*	*258*	*11.9*
10:28 AM	*9.72*	*516*	*258*	*11.9*
10:31 AM	*9.64*	*516*	*258*	*12*
10:34 AM	*9.71*	*515*	*258*	*12*
10:37 AM	*9.65*	*517*	*258*	*12*

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
4713181	*607237*	*7447*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:39 AM	*10:39 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: *156 AMI148 DA12S*

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): 75

Weather Notes: *Clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above well piping was brough from Premier's shop and installed once we arrived on location.

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Arrival Time: *12:17 PM*

Well Name: *Warbonnet 13-14*

Well Ownership Info.: *Shell*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*470.9*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4713182	*607241*	*7442*	*17.1*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 57

Weather Notes: *mostly cloudy*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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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
6/5/2012	*10:39 AM*	*2*	198	0	19	5.4	0	0	118	7	499	292

** 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						
6/5/2012	*10:39 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 - 12/31/12.

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
6/5/2012	*10:37 AM*	9.65	12	517	258

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
6/5/2012		3
9/26/2012	470.90	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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Arrival Time: *12:43 PM*

Well Name *Stewart Point 16-18*

Well Ownership Info. *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *No*

Water Level Notes: *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)
12:46 PM	9.05	510	256	10.5
12:49 PM	9.31	490	244	12.3
12:52 PM	9.32	484	243	12.8
12:55 PM	9.31	477	239	13.1
12:58 PM	9.3	471	236	13.4
1:01 PM	9.29	470	236	13.5
1:04 PM	9.29	468	235	13.6

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
4742351	589358	7324	16.1

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *1:06 PM*

Time Used on Bottle Labels: *1:06 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: *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: *163 AMI150 DA12Q*

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: *Cloudy, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present. 3 one liter glass bottles filled. A 50 foot hose was used to run water. This hose was also used at the last well visited (AMI205).

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Arrival Time: *3:23 PM*

Well Name: *Stewart Point 16-18*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*264.7*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742357	*589358*	*7337*	*13.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 71

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. This visit was to collect water level only.

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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
6/12/2012	*1:06 PM*	*2*	221	0	2	2.2	0	0	114	15	458	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)
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						
6/12/2012	*1:06 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 - 12/31/12.

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
6/12/2012	*1:04 PM*	9.29	13.6	468	235

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
6/12/2012		3
9/5/2012	264.70	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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Arrival Time: *11:23 AM*

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
Sonic Water Level Meter	*379*

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)
11:32 AM	*9.47*	*523*	*262*	*12.5*
11:35 AM	*9.55*	*527*	*264*	*13.8*
11:38 AM	*9.55*	*523*	*262*	*13.7*
11:41 AM	*9.54*	*521*	*261*	*13.7*
11:44 AM	*9.54*	*519*	*260*	*13.8*
11:47 AM	*9.55*	*518*	*259*	*13.8*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731675	*594638*	*7379*	*15.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:50 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: *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: *240 AMI154 DA12 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): 75

Weather Notes: *mostly clear*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Al and Richard with Warco Pumps also present. Approximately 70 feet of PVC pipe was used to collect water from.

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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
8/28/2012	*11:50 AM*	*2*	221	0	17	2.2	0	0	117	12	506	290

** 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						
8/28/2012	*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 - 12/31/12.

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
8/28/2012	*11:47 AM*	9.55	13.8	518	259

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
8/28/2012	379.00	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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Arrival Time: *5:15 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 not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0		

Water Meter Notes: *(meter ending was not recorded)*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
5:19 PM	*9.76*	*671*	*336*	*11.1*
5:22 PM	*9.37*	*610*	*305*	*11.8*
5:25 PM	*9.35*	*606*	*303*	*11.8*
5:28 PM	*9.36*	*606*	*303*	*11.9*
5:31 PM		*602*	*302*	*12*
5:34 PM	*9.36*	*605*	*302*	*12*
5:37 PM	*9.34*	*603*	*301*	*12.1*
5:40 PM	*9.33*	*603*	*301*	*12.1*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4722420	*600026*	*7012*	*13.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
5:43 PM	*5:43 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: *198 AMI156 DA12 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: *Partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

3 one liter glass bottles filled. John with Premier Pumps also present. Meter and above-well piping was brought from the Warbonnet 1-10 water well (AMI145) and installed after we arrived to this location. 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)
11/1/2004	*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
7/17/2012	*5:43 PM*	*2*	277	1	40	6.2	0	0	146	3	575	336

** 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**	
7/17/2012	*5:43 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 - 12/31/12.

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
7/17/2012	*5:40 PM*	9.33	12.1	603	301

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
7/17/2012		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: *9:58 AM*

Well Name	Well Ownership Info.
Mesa 11-28	*Shell*

Is Well Covered? *Metal cap/covering*

Well Locked ☑

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*464.9*

Pump Activity Upon Arrival? *NA*

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)
10:45 AM	*9.32*	*620*	*310*	*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
4729881	*594839*	*7432*	*16.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:45 AM	*10:45 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: *169 AMI159 DA12S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *765*

Sample Depth Actual (ft): *765*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 68

Weather Notes: *Mostly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Dust and sand was blowing around location while sample bottles were being filled. 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)
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
6/18/2012	*10:45 AM*	*1*	204	1	17	2	0	0	133	47	552	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)
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						
6/18/2012	*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 - 12/31/12.

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
6/18/2012	*10:45 AM*	9.32	14.9	620	310

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
6/18/2012	464.90	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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Arrival Time: *12:04 PM*

Well Name: *Mesa 12-28*

Well Ownership Info.: *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: *Not accessible*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
333	*410*	

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:17 PM	*9.25*	*546*	*275*	*11.7*
12:20 PM	*9.38*	*611*	*305*	*14*
12:23 PM	*9.29*	*607*	*303*	*14.5*
12:26 PM	*9.33*	*599*	*300*	*14.7*
12:29 PM	*9.23*	*593*	*297*	*14.7*
12:32 PM	*9.29*	*583*	*293*	*14.8*
12:35 PM	*9.14*	*579*	*289*	*14.8*
12:38 PM	*9.24*	*574*	*287*	*14.8*
12:41 PM	*9.27*	*567*	*284*	*14.8*

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
4729957	*594478*	*7413*	*15.6*

Unit Used: *Garmin GPS Map 76*

GPS Notes:

Actual Sample Collection Time: *12:44 PM*

Time Used on Bottle Labels: *12:44 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: *164 AMI160 DA12S*

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 sunny, breezy*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8021 and 8260 will also be analyzed. John with Premier Pumps also present. Meter and above-well piping was brought from AMI280 and installed in this well upon arrival.

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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
6/13/2012	*12:44 PM*	*2*	234	1	7	2.2	0	0	135	36	543	316

** 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	
6/13/2012	*12:44 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 - 12/31/12.

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
6/13/2012	*12:41 PM*	9.27	14.8	567	284

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
6/13/2012		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: *12:32 PM*

Well Name *Stewart Point 5-29*

Well Ownership Info. *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	*680.8*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740072	*589624*	*7722*	*15.7*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *1:50 PM*

Time Used on Bottle Labels: *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: *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: *248 AMI161 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *815*

Sample Depth Actual (ft): *815*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *See bailer notes*

Other Bailer Notes: *see main notes*

Approximate Outside Temperature (F): 73

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

The first two bailers used (previously used) came up mostly empty. Two new bailers were then used which also came up mostly empty. There was only enough water collected to fill one 1-liter plastic bottle, one 1-liter glass bottle and three 40ml glass vials. No field parameters were taken.

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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
9/5/2012	*1:50 PM*	*1*	194	2	13	1.3	0	0	186	184	819	521

** 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						
9/5/2012	*1:50 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 - 12/31/12.

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

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

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
9/5/2012	680.80	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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Arrival Time: *11:46 AM*

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	*357*

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)
12:25 PM	*9.7*	*561*	*282*	*13.7*

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
4709547	*610983*	*7333*	*13.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:25 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:
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:
261 AMI162 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 66

Weather Notes:
clear, breezy

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Arrival Time: *12:40 PM*

Well Name: *Rainbow 3-31*

Well Ownership Info.: *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	*357.1*

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)
1:08 PM	*9.76*	*568*	*284*	*11.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709547	*610980*	*7317*	*17.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:08 PM	*1:08 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:
304 AMI162 DA12 N

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 50

Weather Notes:
mostly clear, slight breeze

SCCD Personnel Present

Delsa Allen	*Loren Racich*

Overall Field / Sample Notes
Photos could not be taken as the camera batteries were dead. BTEX 8260 and 8021 will also be analyzed. Glenn Owings 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)
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
9/18/2012	*12:25 PM*	*1*	140	0	29	9.6	0	0	108	50	535	307
10/30/2012	*1:08 PM*	*1*	132	0	31	9.4	0	0	117	53	530	307

** 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						
9/18/2012	*12:25 PM*	0	**0.023**						
10/30/2012	*1:08 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 - 12/31/12.

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
9/18/2012	*12:25 PM*	9.70	13.7	561	282
10/30/2012	*1:08 PM*	9.76	11.9	568	284

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 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
9/18/2012	357.00	5
10/30/2012	357.10	5

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** 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: *9:48 AM*

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 rep. prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*322.6*

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)
10:30 AM	*10.18*	*848*	*425*	*12.5*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708496	*613045*	*7293*	*14.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:30 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:
172 AMI163 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 63

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)
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
6/21/2012	*10:30 AM*	*1*	177	1	45	10.1	0	0	158	72	791	433

** 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						
6/21/2012	*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 - 12/31/12.

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
6/21/2012	*10:30 AM*	10.18	12.5	848	425

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
6/21/2012	322.60	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: *3:58 PM*

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	*512.3*

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)
4:40 PM	*9.45*	*1026*	*514*	*12.3*

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
4738308	*591937*	*7549*	*16.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:40 PM	*4:40 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:
249 AMI165 DA12 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *800*

Sample Depth Actual (ft): *800*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes:
mostly cloudy, breezy

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
Bailers came up partially full. Only 1 glass liter bottle 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	*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
9/6/2012	*4:40 PM*	*1*	190	3	8	1.2	0	0	221	277	1000	632

** 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						
9/6/2012	*4:40 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 - 12/31/12.

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
9/6/2012	*4:40 PM*	9.45	12.3	1026	514

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
9/6/2012	512.30	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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Arrival Time: *3:30 PM*

Well Name	Well Ownership Info.
Mesa 12-33	*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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*74*	*3:58 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:37 PM	*9.71*	*485*	*244*	*12.7*
3:40 PM	*9.37*	*455*	*227*	*14.8*
3:43 PM	*9.37*	*470*	*235*	*15.2*
3:46 PM	*9.39*	*469*	*234*	*15.4*
3:49 PM	*9.39*	*468*	*234*	*15.5*
3:52 PM	*9.37*	*467*	*234*	*15.5*
3:55 PM	*9.37*	*463*	*232*	*15.6*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728306	*594412*	*7448*	*13.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:58 PM	*3:58 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: *204 AMI167 DA12 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): 78

Weather Notes: *Cloudy and breezy*

SCCD Personnel Present

Sharon Harrell	

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above well piping brought from AMI284 to use on this well.

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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
7/23/2012	*3:58 PM*	*2*	250	1	3	2.2	0	0	129	22	545	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)
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						
7/23/2012	*3:58 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 - 12/31/12.

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
7/23/2012	*3:55 PM*	9.37	15.6	463	232

Water Level Data

	Water Level	*
8/28/2008		3
8/3/2009		3
8/3/2010		3
9/29/2011		3
7/23/2012		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: *4:15 PM*

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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*64*	*4:46 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
4:22 PM	*9.5*	*594*	*293*	*11.5*
4:25 PM	*9.01*	*502*	*253*	*10.5*
4:28 PM	*9.09*	*505*	*252*	*10*
4:31 PM	*9.07*	*509*	*257*	*10.1*
4:34 PM	*9.06*	*509*	*254*	*10.2*
4:37 PM	*9.08*	*511*	*255*	*10.3*
4:40 PM	*9.01*	*517*	*259*	*10.3*
4:43 PM	*9.06*	*517*	*258*	*10.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728783	*594498*	*7434*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:46 PM	*4:46 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: *204 AMI168 DA12 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): 78

Weather Notes: *Partly cloudy and slight breeze*

SCCD Personnel Present

Sharon Harrell	

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above well piping used at AMI168 (last well sampled) used on this well.

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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
7/23/2012	*4:46 PM*	*2*	177	5	11	0.6	0	0	130	84	588	345

** 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						
7/23/2012	*4:46 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 - 12/31/12.

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
7/23/2012	*4:43 PM*	9.06	10.3	517	258

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
7/23/2012		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: *11:23 AM*

Well Name *Highway / Federal #7*

Well Ownership Info. *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	*318.1*

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)
12:03 PM	*9.92*	*548*	*272*	*13.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *yes, LEL was up to 15%, but most of the time we were sampling, LEL was around 10%*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705995	*613937*	*7319*	*19.3*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:03 PM	*12:03 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: *267 AMI182 DA12 Y*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 61

Weather Notes: *mostly cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Water is aerated. BTEX 8260 and 8021 will also be analyzed.

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Arrival Time: *11:28 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	*318.4*

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	*10*	*553*	*275*	*12.2*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*yes, up to 10 LEL*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4705997	*613939*	*7297*	*16.6*

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: *304 AMI182 DA12 Y*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 48

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. Glenn Owings 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)
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
9/24/2012	*12:03 PM*	*1*	184	0	39	11.9	0	0	129	2	554	306
10/30/2012	*12:05 PM*	*1*	193	0	39	11.9	0	0	119	2	544	304

** 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	
9/24/2012	*12:03 PM*	0	**0.17**	***6.5***	0	0	0	0	
10/30/2012	*12:05 PM*	0	**0.14**	**4**	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 - 12/31/12.

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
9/24/2012	*12:03 PM*	9.92	13.2	548	272

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

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10/30/2012	*12:05 PM*	10.00	12.2	553	275

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

10/28/2010	319.80	5
10/17/2011	318.70	5
12/21/2011	317.80	5
9/24/2012	318.10	5
10/30/2012	318.40	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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Arrival Time: *1:10 PM*

Well Name *Warbonnet 8-6*

Well Ownership Info. *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	*86*

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)
2:23 PM	*9.29*	*1164*	*583*	*12.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717272	*602003*	*7043*	*15.3*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *2:23 PM*

Time Used on Bottle Labels: *2:23 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 AMI186 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *640*

Sample Depth Actual (ft): *640*

Bailing Method Used: *New 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

BTEX 8021 and 8260 will also be analyzed.

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Arrival Time: *11:52 AM*

Well Name: *Warbonnet 8-6*

Well Ownership Info.: *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	*85.6*

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)
12:40 PM	*9.15*	*1164*	*579*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717271	*602006*	*7045*	*14.5*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:40 PM*

Time Used on Bottle Labels: *12:40 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: *311 AMI186 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *640*

Sample Depth Actual (ft): *640*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 54

Weather Notes: *mostly clear, 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)
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
9/13/2012	*2:23 PM*	*1*	127	2	256	9.6	0	0	225	2	1130	600
11/6/2012	*12:40 PM*	*1*	126	2	265	10	0	0	224	2	1100	595

** 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	
9/13/2012	*2:23 PM*	0	0	0	0	0	0	0	
11/6/2012	*12:40 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 - 12/31/12.

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
9/13/2012	*2:23 PM*	9.29	12.9	1164	583
11/6/2012	*12:40 PM*	9.15	12.1	1164	579

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 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
9/13/2012	86.00	5
11/6/2012	85.60	5

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** 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: *3:25 PM*

Well Name: *North Pinedale 14-8*

Well Ownership Info.: *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: *Not accessible*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
590	*665*	*3:56 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:33 PM	*9.57*	*477*	*240*	*12.3*
3:36 PM	*9.61*	*411*	*206*	*12*
3:39 PM	*9.51*	*411*	*206*	*12*
3:42 PM	*9.56*	*412*	*205*	*11.9*
3:45 PM	*9.57*	*410*	*205*	*12.1*
3:48 PM	*9.56*	*410*	*206*	*12.1*
3:51 PM	*9.45*	*412*	*206*	*12.1*
3:54 PM	*9.53*	*412*	*206*	*12.1*

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
4743575	*590463*	*7295*	*14.8*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *3:56 PM*

Time Used on Bottle Labels: *3:56 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: *164 AMI188 DA12S*

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): 73

Weather Notes: *Mostly sunny, breezy*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above-well piping was brought from AM302 and installed upon arrival.

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Arrival Time: *3:37 PM*

Well Name *North Pinedale 14-8*

Well Ownership Info. *Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*221.2*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4743577	*590464*	*7300*	*14.4*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

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: *clear, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. This visit was to collect water level only.

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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
6/13/2012	*3:56 PM*	*2*	200	0	2	1.2	0	0	98	2	398	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						
6/13/2012	*3:56 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 - 12/31/12.

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
6/13/2012	*3:54 PM*	9.53	12.1	412	206

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
6/13/2012		3
9/5/2012	221.20	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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Arrival Time: *11:09 AM*

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 rep. prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*370.9*

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)
11:43 AM	*9.72*	*620*	*310*	*14.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4708377	*611354*	*7339*	*13.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:43 AM	*11:43 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:
172 AMI189 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 72

Weather Notes:
Clear, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

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Arrival Time: 10:24 AM

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)
11:12 AM	9.65	527	266	13.5

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
4708378	611353	7343	14.1

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:12 AM	11:12 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: 261 AMI189 DA12 N

Sampling Method: Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): 600

Sample Depth Actual (ft): 600

Bailing Method Used: New Nylon Rope

Bailers Used: 2 new double check valve

Other Bailer Notes:

Approximate Outside Temperature (F): 59

Weather Notes: clear, slight breeze

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)
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
6/21/2012	*11:43 AM*	*1*	147	0	35	11.8	0	0	119	20	514	294
9/18/2012	*11:12 AM*	*1*	152	0	33	11.1	0	0	110	19	510	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	*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						
6/21/2012	*11:43 AM*	0	**0.041**						
9/18/2012	*11:12 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 - 12/31/12.

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
6/21/2012	*11:43 AM*	9.72	14.3	620	310
9/18/2012	*11:12 AM*	9.65	13.5	527	266

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
6/21/2012	370.90	5
9/18/2012	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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Arrival Time: *11:04 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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*78*	*11:36 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:12 AM	*9.5*	*732*	*366*	*10.3*
11:15 AM	*9.74*	*671*	*336*	*9.6*
11:18 AM	*9.76*	*671*	*335*	*9.3*
11:21 AM	*9.75*	*671*	*334*	*9.4*
11:24 AM	*9.57*	*667*	*335*	*9.4*
11:27 AM	*9.72*	*669*	*335*	*9.3*
11:30 AM	*9.65*	*667*	*335*	*9.4*
11:33 AM	*9.7*	*669*	*336*	*9.3*

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
4716370	*603641*	*7115*	*14.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:36 AM	*11:36 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: *156 AMI198 DA12U*

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): 78

Weather Notes: *Clear, very windy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8021 and 8260 will also be analyzed. Trip blank will travel with this set. John with Premier Pumps also present.

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Arrival Time: *4:08 PM*

Well Name: *Warbonnet 16-5*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*142.7*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4716367	*603644*	*7086*	*17.8*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 80

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected - we just visited this well for a water level reading.

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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
6/5/2012	*11:36 AM*	*2*	154	0	82	6.8	0	0	146	18	641	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)
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	
6/5/2012	*11:36 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 - 12/31/12.

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
6/5/2012	*11:33 AM*	9.70	9.3	669	336

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
6/5/2012		3
8/7/2012	142.70	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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Arrival Time: *9:54 AM*

Well Name: *Mesa 16-28*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*259.2*

Pump Activity Upon Arrival?: *no*

Water Level Notes:

Water Meter Data (when available)

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

Water Meter Notes: *meter was not working*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:42 AM	*9.15*	*1200*	*600*	*12.3*
10:45 AM	*9.32*	*1067*	*535*	*11.7*
10:48 AM	*9.29*	*1078*	*539*	*11.4*
10:51 AM	*9.28*	*1076*	*539*	*11.6*
10:54 AM	*9.25*	*1080*	*540*	*11.5*
10:57 AM	*9.26*	*1076*	*539*	*11.5*
11:00 AM	*9.26*	*1079*	*538*	*11.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4729320	*595532*	*7238*	*14.4*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *11:03 AM*

Time Used on Bottle Labels: *11:03 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: *213 AMI199 DA12 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 | *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Exhaust from generator is blowing to the area where samples are being collected.

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Arrival Time: *12:42 PM*

Well Name: *Mesa 16-28*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival? *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes: *meter was not working*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:52 PM	8.97	1067	534	12.1
12:55 PM	9.2	1062	532	11.9
12:58 PM	9.25	1064	532	11.8
1:01 PM	9.23	1063	531	11.8
1:04 PM	9.27	1060	531	11.8
1:07 PM	9.26	1059	529	11.9
1:10 PM	9.27	1055	528	11.9

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
4729324	595534		14.7

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *1:14 PM*

Time Used on Bottle Labels: *1:14 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: *268 AMI199 DA12 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): 61

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. 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
8/1/2012	*11:03 AM*	*2*	194	3	18	0.6	0	0	249	286	1030	617
9/25/2012	*1:14 PM*	*2*	205	3	17	0.7	0	0	236	264	1020	598

** 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	
8/1/2012	*11:03 AM*	**2.3**	0						
9/25/2012	*1:14 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 - 12/31/12.

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
8/1/2012	*11:00 AM*	9.26	11.4	1079	538
9/25/2012	*1:10 PM*	9.27	11.9	1055	528

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 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
8/1/2012	259.20	5
9/25/2012		3

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** 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: *9:21 AM*

Well Name *Riverside 13-12*

Well Ownership Info. *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes: *Well is artesian*

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *NA*

Water Level Notes: *Artesian well*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:32 AM	9.26	505	252	11.9
9:35 AM	9.36	494	247	12.1
9:38 AM	9.36	505	252	10.8
9:41 AM	9.39	505	251	10.7
9:44 AM	9.4	504	251	10.7
9:47 AM	9.4	503	251	10.7

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4724395	599292	6934	13.5

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *9:50 AM*

Time Used on Bottle Labels: *9:50 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: *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: *204 AMI201 DA12 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): 65

Weather Notes: *Calm and partly cloudy*

SCCD Personnel Present *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Artesian well. Very low but continual flow. Did not use pump to collect sample due to artesian flow.

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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
7/23/2012	*9:50 AM*	*6*	263	1	7	6.2	0	0	140	6	578	316

** 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						
7/23/2012	*9:50 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 - 12/31/12.

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
7/23/2012	*9:47 AM*	9.40	10.7	503	251

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
7/23/2012		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: *11:46 AM*

Well Name: *Stewart Point 8-22 (8-32)*

Well Ownership Info.: *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: *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)
11:49 AM	9.52	487	245	11.8
11:52 AM	9.57	472	236	12.4
11:55 AM	9.54	489	245	12.7
11:58 AM	9.53	488	245	12.9
12:01 PM	9.53	489	245	13
12:04 PM	9.5	485	244	13.1
12:07 PM	9.5	486	244	13.1

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
4737790	591413		14.8

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:09 PM	12:09 PM

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:09 PM	00:00

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: *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: *163 AMI205 DA12Q & 163 AB003 DA12Q*

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: *Mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present. Duplicate samples collected. A 50 foot hose was used to run water. This hose was also used at the last well visited (AMI239).

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Arrival Time: *4:41 PM*

Well Name: *Stewart Point 8-22*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*541.6*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4737788	*591410*	*7513*	*16.1*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 63

Weather Notes: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. This visit was to collect a water level reading only.

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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
6/12/2012	*12:09 PM*	*2*	201	0	3	1.2	0	0	116	33	475	293
6/12/2012	*12:09 PM*	*2*	200	0	3	1.2	0	0	116	33	476	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)
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						
6/12/2012	*12:09 PM*	0	0						
6/12/2012	*12:09 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 - 12/31/12.

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
6/12/2012	*12:07 PM*	9.50	13.1	486	244

Water Level Data

	Water Level	*
5/20/2008		3
5/26/2009		3
6/14/2010		3
6/23/2011		3
6/12/2012		3
9/10/2012	541.60	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: *12:27 PM*

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: *Pump was started before we could try 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)
12:33 PM	*9.35*	*914*	*458*	*11.3*
12:36 PM	*9.54*	*907*	*454*	*10.7*
12:39 PM	*9.55*	*907*	*455*	*10.4*
12:42 PM	*9.56*	*911*	*455*	*10.5*
12:45 PM	*9.62*	*909*	*455*	*10.5*
12:48 PM	*9.59*	*910*	*456*	*10.4*
12:51 PM	*9.61*	*910*	*455*	*10.5*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709816	*608084*	*7362*	*15.6*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:54 PM	*12:54 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: *198 AMI209 DA12 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): 68

Weather Notes: *Mostly cloudy, raining by the time we left location*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. John with Premier Pumps also present. It was raining when samples were being collected. Care was taken to block the rain from the sample collection area.

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Arrival Time: *11:59 AM*

Well Name: *Warbonnet 15-26*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*364.8*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709813	*608093*	*7344*	*15.2*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 57

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level measurement was taken.

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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
7/17/2012	*12:54 PM*	*2*	143	2	15	1	0	0	208	243	864	545

** 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	
7/17/2012	*12:54 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 - 12/31/12.

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
7/17/2012	*12:51 PM*	9.61	10.5	910	455

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
7/17/2012		3
9/26/2012	364.80	5

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

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** 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: *1:30 PM*

Well Name: *Gannet 11-16*

Well Ownership Info.: *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 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)
2:01 PM	9.41	474	239	9.9
2:04 PM	9.71	457	228	9.4
2:07 PM	9.75	456	228	9.1
2:10 PM	9.76	455	227	9.2
2:13 PM	9.72	454	228	9.1
2:16 PM	9.72	452	227	9.2
2:19 PM	9.71	452	227	9.1

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *None*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742431	591993	7235	14.1

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:21 PM	2:21 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: *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: *165 AMI211 DA12 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 | *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present

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Arrival Time: *3:05 PM*

Well Name *Gannett 11-16*

Well Ownership Info. *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*146.8*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4742429	*591995*	*7239*	*14.7*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 72

Weather Notes: *clear, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. This visit was to collect water level only.

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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
6/14/2012	*2:21 PM*	*2*	183	1	4	1.7	0	0	104	21	441	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)
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						
6/14/2012	*2:21 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 - 12/31/12.

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
6/14/2012	*2:19 PM*	9.71	9.1	452	227

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

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
6/14/2012		3
9/5/2012	146.80	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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Arrival Time: *12:00 PM*

Well Name: *Warbonnet 12-9*

Well Ownership Info.: *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	*199.2*

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)
12:40 PM	*9.55*	*2570*	*1280*	*15.6*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715222	*603989*	*7146*	*16.1*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *12:40 PM*

Time Used on Bottle Labels: *12:40 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: *221 AMI214 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *450*

Sample Depth Actual (ft): *450*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 82

Weather Notes: *partly cloudy, calm*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed.

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Arrival Time: *8:51 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
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)
9:30 AM	*9.97*	*2660*	*1330*	*9.6*

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
4715227	*603987*	*7162*	*15.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:30 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:
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:
268 AMI214 DA12 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *450*

Sample Depth Actual (ft): *450*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 45

Weather Notes:
partly cloudy, 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)
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
8/9/2012	*12:40 PM*	*1*	164	5	33	2.1	0	1	531	920	2420	1610
9/25/2012	*9:30 AM*	*1*	200	3	31	2.3	0	1	526	866	2370	1530

** 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**	
8/9/2012	*12:40 PM*	**9.3**	**0.042**	0	0	0	0	**3.5**	
9/25/2012	*9:30 AM*	***11***	**0.066**	0	0	**2.9**	**1.1**	**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 - 12/31/12.

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
8/9/2012	*12:40 PM*	9.55	15.6	2570	1280
9/25/2012	*9:30 AM*	9.97	9.6	2660	1330

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 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
8/9/2012	199.20	5
9/25/2012		3

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** 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: *12:32 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 rep. prior to our arrival

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*348.8*

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)
1:00 PM	*9.52*	*909*	*455*	*13.2*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710043	*611872*	*7328*	*13.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:00 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:
172 AMI228 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 73

Weather Notes:
Clear, calm

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed.

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Arrival Time: *1:04 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	*347.9*

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)
1:45 PM	*9.81*	*895*	*447*	*13.1*

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
4710049	*611873*	*7339*	*18.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:45 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:
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:
261 AMI228 DA12 N

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

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.

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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
6/21/2012	*1:00 PM*	*1*	217	2	16	2.6	0	0	205	153	862	514
9/18/2012	*1:45 PM*	*1*	228	1	16	2.4	0	0	191	142	853	514

** 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**	
6/21/2012	*1:00 PM*	**2.2**	**0.11**	**2.3**	0	0	0	**11**	
9/18/2012	*1:45 PM*	**1.5**	**0.14**	**2.8**	0	0	0	**9**	
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 - 12/31/12.

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
6/21/2012	*1:00 PM*	9.52	13.2	909	455
9/18/2012	*1:45 PM*	9.81	13.1	895	447

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
6/21/2012	348.80	5
9/18/2012	347.90	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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Arrival Time: *12:10 PM*

Well Name: *Nerd Farm Yard*

Well Ownership Info.: *M&N, Nerd Gas*

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, but was used within the last 1/2 hour to 1 hour to fill a water truck.*

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

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:27 PM	9.3	563	283	13.1
12:30 PM	9.38	551	276	12.1
12:33 PM	9.14	550	276	11.1
12:36 PM	9.13	551	276	11.3
12:39 PM	9.1	549	275	11.1
12:42 PM	9.3	551	275	10.8
12:45 PM	9.35	552	276	10.9
12:48 PM	9.29	550	276	10.9

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
4726202	597466	6978	16

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:50 PM*

Time Used on Bottle Labels: *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: *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: *151 AMI236 DA12*

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): 66

Weather Notes: *Mostly sunny, calm to slight breeze*

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

Overall Field / Sample Notes: *A large used oil tank is near water well - see photos for reference*

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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
5/31/2012	*12:50 PM*	*5*	261	0	2	2.2	0	0	135	20	536	333

** 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						
5/31/2012	*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 - 12/31/12.

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
5/31/2012	*12:48 PM*	9.29	10.9	550	276

Water Level Data

	Water Level	*
5/5/2008		3
6/25/2009		3
9/20/2010		3
6/1/2011		3
5/31/2012		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: *1:19 PM*

Well Name: *Warbonnet 7-15*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *Sonic Water Level Meter*

Water Level:

Pump Activity Upon Arrival?: *No*

Water Level Notes: *Tried to obtain a water level reading with Sonic, but couldn't obtain a solid reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
118	*190*	*2:03 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:36 PM	*9.8*	*487*	*245*	*11.1*
1:39 PM	*9.88*	*468*	*235*	*11.4*
1:42 PM	*9.89*	*468*	*235*	*11.2*
1:45 PM	*9.89*	*467*	*234*	*11.3*
1:48 PM	*9.89*	*468*	*234*	*11.3*
1:51 PM	*9.9*	*467*	*234*	*11.4*
1:54 PM	*9.91*	*466*	*233*	*11.5*
1:57 PM	*9.91*	*465*	*233*	*11.5*
2:00 PM	*9.9*	*466*	*234*	*11.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714191	*606790*	*7368*	*14.4*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *2:03 PM*

Time Used on Bottle Labels: *2:03 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: *198 AMI237 DA12 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: *Mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be anaylzed. John with Premier Pumps also present. Mike with Longhorn Trucking also present.

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Arrival Time: 12:36 PM

Well Name: Warbonnet 7-15

Well Ownership Info.: Ultra

Well Locked: ☐

Is Well Covered?: Industrial pump in place

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	404.1

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)

Field Meter Used: None

Gas Alarm Data

Alarm Unit Used: None

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714186	606790	7370	15.8

Unit Used: Garmin GPS Map 76 - unit 2

GPS Notes:

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): 79

Weather Notes: clear, breezy

SCCD Personnel Present: Delsa Allen, Sharon Harrell

Overall Field / Sample Notes: No samples were collected - we just visited this well for a water level reading.

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Arrival Time: *10:08 AM*

Well Name: *Warbonnet 7-15*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival?: *no*

Water Level Notes:

Water Meter Data (when available)

Starting (bls): *276*

Ending (bls): *348*

Ending Time: *10:39 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:12 AM	9.96	475	239	10.4
10:15 AM	9.92	469	235	11
10:18 AM	9.92	463	232	11.2
10:21 AM	9.93	468	234	11.3
10:24 AM	9.92	467	233	11.4
10:27 AM	9.92	466	233	11.5
10:30 AM	9.92	466	234	11.5
10:33 AM	9.91	467	234	11.5

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
4714190	606787	7376	13.7

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *10:39 AM*

Time Used on Bottle Labels: *10:39 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: *268 AMI237 DA12 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: *mostly clear, calm*

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

Overall Field / Sample Notes: *BTEX 8260 and 8021 will also be analyzed. 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
7/17/2012	*2:03 PM*	*2*	204	0	9	4.6	0	0	110	0	447	267
9/25/2012	*10:39 AM*	*2*	211	0	9	4.4	0	0	108	0	453	252

** 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**	
7/17/2012	*2:03 PM*	0	**0.73**	***75***	**4.7**	**37**	**4.4**	**140**	
9/25/2012	*10:39 AM*	0	**0.65**	***68***	**3.7**	**31**	**3.5**	**120**	
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 - 12/31/12.

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

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

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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
7/17/2012	*2:00 PM*	9.90	11.4	466	234
9/25/2012	*10:33 AM*	9.91	11.5	467	234

10/27/2011		3
7/17/2012		5
8/7/2012	404.10	5
9/25/2012		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: *11:23 AM*

Well Name	Well Ownership Info.
Mesa 12-17	*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 level could not be done in time - pump was turned on right after we arrived.*

Water Meter Data (when available)

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

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:28 AM	*9.43*	*565*	*283*	*13.2*
11:31 AM	*9.39*	*508*	*254*	*14.5*
11:34 AM	*9.43*	*507*	*253*	*14.6*
11:37 AM	*9.43*	*563*	*281*	*14.5*
11:40 AM	*9.44*	*556*	*278*	*14.5*
11:44 AM	*9.44*	*543*	*271*	*14.5*
11:47 AM	*9.45*	*536*	*268*	*14.6*
11:50 AM	*9.39*	*535*	*267*	*14.6*

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
4733276	*593479*	*7479*	*14.3*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:54 AM	*11:54 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: *bottles filled from smaller tubing coming from pipe near well (see photos)*

Sample Bottle Notes / Sample ID: *248 AMI238 DA12 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): 61

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Three 1-liter glass bottles filled. Richard and Pam with Warco Pumps were also present for some of the time.

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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
9/5/2012	*11:54 AM*	*2*	228	1	5	1.5	0	0	120	41	516	313

** 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						
9/5/2012	*11:54 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 - 12/31/12.

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
9/5/2012	*11:50 AM*	9.39	14.6	535	267

Water Level Data

	Water Level	*
9/18/2008		3
8/24/2009		3
8/18/2010		3
9/8/2011		3
9/5/2012		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: *10:45 AM*

Well Name: *Mesa 5-20*

Well Ownership Info.: *QEP*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival? *No*

Water Level Notes: *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)
10:49 AM	9.32	554	278	10.7
10:52 AM	9.19	569	284	14.3
10:55 AM	9.24	575	288	14.6
10:58 AM	9.21	573	287	14.7
11:01 AM	9.21	569	284	14.8
11:04 AM	9.17	557	279	15
11:07 AM	9.15	555	278	15
11:10 AM	9.15	556	278	15

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
4731284	593638	7451	14.6

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *11:12 AM*

Time Used on Bottle Labels: *11:12 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: *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: *163 AMI239 DA12Q*

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: *Cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

Richard with Warco Pumps also present. Two different hoses were used to run water from well with a total length of 60 feet. 50 feet of the hose was used to run water at the last well visited (AMI112).

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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
6/12/2012	*11:12 AM*	*2*	245	1	4	2.4	0	0	137	29	544	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)
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						
6/12/2012	*11:12 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 - 12/31/12.

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
6/12/2012	*11:10 AM*	9.15	15	556	278

Water Level Data

	Water Level	*
5/20/2008		3
5/26/2009		3
6/14/2010		3
6/23/2011		3
6/12/2012		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: *2:08 PM*

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
Sonic Water Level Meter	*191*

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	*9.36*	*646*	*323*	*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
4742742	*590021*	*7281*	*16.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
3:25 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: *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: *247 AMI240 DA12 Q*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

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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Arrival Time: *8:44 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
Sonic Water Level Meter	

Pump Activity Upon Arrival?

Water Level Notes:
Water level meter is not working properly - giving sporadic readings.

Water Meter Data (when available)

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

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:32 AM	*9.12*	*701*	*350*	*8.8*

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
4742742	*590019*	*7276*	*19.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
9:32 AM	*9:32 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:
289 AMI240 DA12 Q

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *600*

Sample Depth Actual (ft): *600*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F):

Weather Notes:
overcast, rainy

SCCD Personnel Present

Delsa Allen	*Glenn Owings*

Overall Field / Sample Notes
BTEX 8260 and 8021 will also be analyzed. Daren Many 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	*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
9/4/2012	*3:25 PM*	*1*	236	1	6	2.8	0	0	139	75	625	382
10/16/2012	*9:32 AM*	*1*										

** 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	
9/4/2012	*3:25 PM*	0	0	0	0	0	0	**1.5**	
10/16/2012	*9:32 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 - 12/31/12.

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
9/4/2012	*3:25 PM*	9.36	13.8	646	323
10/16/2012	*9:32 AM*	9.12	8.8	701	350

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
9/4/2012	191.00	5
10/16/2012		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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Arrival Time: *8:54 AM*

Well Name: *Warbonnet 8-25*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival?: *No*

Water Level Notes: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls): *403*

Ending (bls): *475*

Ending Time: *9:36 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
9:09 AM	9.73	735	369	12.1
9:12 AM	9.69	704	352	12.7
9:15 AM	9.74	698	350	12.4
9:18 AM	9.65	699	351	12.4
9:21 AM	9.72	700	350	12.3
9:24 AM	9.66	700	350	12.3
9:27 AM	9.72	699	350	12.4
9:30 AM	9.54	699	350	12.3
9:33 AM	9.61	700	350	12.4

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
4710791	610179	7323	15.9

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *9:36 AM*

Time Used on Bottle Labels: *9:36 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: *156 AMI242 DA12U*

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, breezy*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. A small air bubble is present in one of the 40 mL glass vials - faulty lid is suspected

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Arrival Time: *12:13 PM*

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
Sonic Water Level Meter	*275.7*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710789	*610179*	*7309*	*15.9*

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): 78

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

No samples were collected - we just visited this well for a water level reading.

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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
6/5/2012	*9:36 AM*	*2*	98	1	23	6	0	0	150	150	680	417

** 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						
6/5/2012	*9:36 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 - 12/31/12.

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
6/5/2012	*9:33 AM*	9.61	12.4	700	350

Water Level Data

	Water Level	*
6/5/2008		3
5/19/2009		3
6/7/2010		3
9/21/2011		3
6/5/2012		3
8/7/2012	275.70	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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Arrival Time: *4:07 PM*

Well Name	Well Ownership Info.
Boulder 12A-33	*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: *Chose not to take water level reading due to LEL alarm*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
46		

Water Meter Notes: *water meter end (bls) was not recorded*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
4:23 PM	*9.4*	*859*	*428*	*11.1*
4:26 PM	*9.41*	*750*	*375*	*10.2*
4:29 PM	*9.54*	*750*	*375*	*9.9*
4:32 PM	*9.53*	*751*	*376*	*9.8*
4:35 PM	*9.46*	*750*	*375*	*9.8*
4:38 PM	*9.47*	*754*	*376*	*9.7*
4:41 PM	*9.47*	*752*	*376*	*9.7*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
Gas Alert Micro#1	*LEL was OL (over limit)*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718333	*604183*	*7075*	*13.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:44 PM	*4:44 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time:	Time Used on Bottle Labels:
4:44 PM	*00:00*

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: *198 AMI248 DA12 U and 198 AB011 DA12 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): 76

Weather Notes: *Mostly cloudy, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Duplicate sample set collected.

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Arrival Time: *1:20 PM*

Well Name *Boulder 12A-33*

Well Ownership Info. *Ultra*

Well Locked ☐

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*109.4*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718336	*604182*	*7093*	*17.7*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 61

Weather Notes: *mostly cloudy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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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
7/17/2012	*4:44 PM*	*2*	157	1	111	9.7	0	0	167	0	711	389
7/17/2012	*4:44 PM*	*2*	156	1	112	9.7	0	0	166	0	711	389

** 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						
7/17/2012	*4:44 PM*	0	0						
7/17/2012	*4:44 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 - 12/31/12.

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
7/17/2012	*4:41 PM*	9.47	9.7	752	376

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
7/17/2012		3
9/26/2012	109.40	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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Arrival Time: *12:08 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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*57*	*12:41 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:15 PM	*9.72*	*544*	*274*	*10.7*
12:18 PM	*9.72*	*549*	*274*	*11.9*
12:24 PM	*9.79*	*564*	*281*	*13.2*
12:27 PM	*9.73*	*560*	*278*	*13.3*
12:30 PM	*9.71*	*558*	*276*	*13.2*
12:33 PM	*9.57*	*556*	*276*	*13.2*
12:36 PM	*9.7*	*552*	*275*	*13.2*
12:39 PM	*9.68*	*554*	*276*	*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
4717122	*606436*	*7252*	*14.5*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
12:41 PM	*12:41 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: *156 AMI249 DA12U*

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): 78

Weather Notes: *Clear, windy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Did not collect a field sample at 12:21pm due to no water flow through sample valve.

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Arrival Time: *12:51 PM*

Well Name: *Warbonnet 7-3*

Well Ownership Info.: *Ultra*

Well Locked ☐

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*291.3*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717122	*606436*	*7275*	*14.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 58

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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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
6/5/2012	*12:41 PM*	*2*	207	0	15	7.2	0	0	130	31	534	317

** 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						
6/5/2012	*12:41 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 - 12/31/12.

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
6/5/2012	*12:39 PM*	9.68	13.2	554	276

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

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
6/5/2012		3
9/26/2012	291.30	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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Arrival Time: *10:08 AM*

Well Name *Boulder 1-32*

Well Ownership Info. *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	*80.6*

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)
10:46 AM	*8.45*	*2660*	*1340*	*9.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *None*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4719199	*603530*	*7060*	*14.8*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *10:46 AM*

Time Used on Bottle Labels: *10:46 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: *170 AMI250 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *360*

Sample Depth Actual (ft): *360*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 58

Weather Notes: *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)
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
6/19/2012	*10:46 AM*	*1*	223	19	20	0.4	0	1	580	960	2550	1730

** 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						
6/19/2012	*10:46 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 - 12/31/12.

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
6/19/2012	*10:46 AM*	8.45	9.6	2660	1340

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
6/19/2012	80.60	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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Arrival Time: *1:00 PM*

Well Name: *Jonah Field Office*

Well Ownership Info.: *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	*139.2*

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)
1:18 PM	*9.85*	*583*	*292*	*14.8*
1:21 PM	*10.09*	*566*	*284*	*11*
1:24 PM	*10.09*	*568*	*284*	*13.3*
1:27 PM	*10.1*	*572*	*286*	*11.8*
1:30 PM	*10.05*	*570*	*285*	*12.7*
1:33 PM	*10.11*	*571*	*286*	*12.2*
1:36 PM	*10.09*	*571*	*284*	*12.5*
1:39 PM	*10.9*	*572*	*286*	*12.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4701077	*617379*	*7117*	*14.8*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *1:44 PM*

Time Used on Bottle Labels: *1:44 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:

Sample Bottle Notes / Sample ID: *267 AMI254 DA12*

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): 64

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)
9/10/2007	*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
9/24/2012	*1:44 PM*	*3*	187	0	43	7.6	0	0	129	1	556	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)
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						
9/24/2012	*1:44 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 - 12/31/12.

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
9/24/2012	*1:39 PM*	10.90	12.4	572	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
9/24/2012	139.20	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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Arrival Time: *11:14 AM*

Well Name *Riverside 11-25*

Well Ownership Info. *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*

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)
12:06 PM	*9.02*	*1050*	*527*	*15.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4720078	*599658*	*6999*	*14.4*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:06 PM*

Time Used on Bottle Labels: *12:06 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: *227 AMI258 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *432*

Sample Depth Actual (ft): *432*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 75

Weather Notes: *hazy, slight breeze to breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

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Arrival Time: *1:35 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
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)
2:30 PM	*9.23*	*980*	*490*	*9.3*

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
4720074	*599659*	*7016*	*16.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:30 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:
277 AMI258 DA12 S

Sampling Method:
Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): *432*

Sample Depth Actual (ft): *432*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new 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

BTEX 8260 and 8021 will also be analyzed. Dave Weeks with Shell and Adam Johnson with AMEC were also on location collecting soil samples approx. 15 feet from water well.

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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
8/15/2012	*12:06 PM*	*1*	183	3	184	6	0	0	222	1	978	528
10/4/2012	*2:30 PM*	*1*	176	2	185	6.6	0	0	194	0	935	506

** 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	
8/15/2012	*12:06 PM*	**2.9**	**0.092**	0	0	**5.5**	**2.4**	**1.2**	
10/4/2012	*2:30 PM*	0	**0.051**	0	0	**3.6**	**2.1**	**1.5**	
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 - 12/31/12.

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

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
8/15/2012	63.00	5

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11/23/2011	*1:18 PM*	9.15	8.4	1006	503
8/15/2012	*12:06 PM*	9.02	15.4	1050	527
10/4/2012	*2:30 PM*	9.23	9.3	980	490

10/4/2012	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: *8:45 AM*

Well Name: *Riverside 4D-1D (5-1)*

Well Ownership Info.: *Ultra*

Well Locked ☑

Is Well Covered?: *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	*0*

Pump Activity Upon Arrival?: *NA*

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)
8:53 AM	8.51	132.6	66.3	13.6
8:56 AM	9.16	392	196	12.5
8:59 AM	9.34	591	297	11.5
9:11 AM	9.08	623	312	10.9
9:14 AM	9.33	624	312	11.2
9:17 AM	9.31	625	312	11.4
9:20 AM	9.32	625	312	11.5
9:23 AM	9.33	624	311	11.5
9:26 AM	9.32	622	312	11.4

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
4726698	599348	6965	16

Unit Used: *Garmin GPS Map 76*

GPS Notes:

Actual Sample Collection Time: *9:28 AM*

Time Used on Bottle Labels: *9:28 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: *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: *164 AMI261 DA12U*

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): 55

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

A packer was in place, but loosened enough that some water was able to flow past, but was very rusty. Field parameters were becoming closer to historic levels but the amount of sedimenet was not clearing up. Packer was pulled all the way out @ 9:06am. Water cleared up once packer was out of the well. BTEX 8021 and 8260 will also be analyzed. John and Brett with Premier Pumps were 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)
7/13/2006	*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
6/13/2012	*9:28 AM*	*6*	292	1	2	3.1	0	0	156	19	599	352

** 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	
6/13/2012	*9:28 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 - 12/31/12.

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
6/13/2012	*9:26 AM*	9.32	11.4	622	312

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
6/13/2012	0.00	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: *10:35 AM*

Well Name: *2 Buttes 16-15*

Well Ownership Info.: *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	*281.3*

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)
11:40 AM	*9.44*	*741*	*370*	*12.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732662	*596948*	*7265*	*14.2*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *11:40 AM*

Time Used on Bottle Labels: *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: *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 AMI270 DA12 A*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 55

Weather Notes: *clear, calm*

SCCD Personnel Present

Delsa Allen | *Daren Many*

Overall Field / Sample Notes

Bailers came up partially full, only one 1-liter glass bottle was filled. Glenn Owings 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)
9/19/2006	*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
10/11/2012	*11:40 AM*	*1*	210	2	8	0.7	0	0	162	117	702	420

** 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	
10/11/2012	*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 - 12/31/12.

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
10/11/2012	*11:40 AM*	9.44	12.1	741	370

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
10/11/2012	281.30	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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Arrival Time: *8:20 AM*

Well Name: *Riverside 7-13*

Well Ownership Info.: *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	*39.7*

Pump Activity Upon Arrival? *NA*

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)
9:30 AM	*9.45*	*626*	*314*	*11.9*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *None*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4723671	*600101*	*7001*	*20*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *9:30 AM*

Time Used on Bottle Labels: *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: *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: *170 AMI274 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *728*

Sample Depth Actual (ft): *728*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 58

Weather Notes: *Clear, 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)
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
6/19/2012	*9:30 AM*	*1*	240	1	19	8.6	0	0	140	4	571	318

** 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						
6/19/2012	*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 - 12/31/12.

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
6/19/2012	*9:30 AM*	9.45	11.9	626	314

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
6/19/2012	39.70	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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Arrival Time: *10:58 AM*

Well Name: *Riverside 4D-2D*

Well Ownership Info.: *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: *Not accessible*

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	*9.31*	*540*	*270*	*12.2*
11:18 AM	*9.31*	*527*	*264*	*12*
11:21 AM	*9.38*	*526*	*265*	*11.7*
11:24 AM	*9.48*	*527*	*264*	*11.9*
11:27 AM	*9.44*	*527*	*265*	*11.7*
11:30 AM	*9.45*	*527*	*264*	*11.7*
11:33 AM	*9.45*	*527*	*265*	*11.7*
11:36 AM	*9.42*	*526*	*265*	*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
4727142	*597725*	*6980*	*18.2*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
11:38 AM	*11:38 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: *164 AMI276 DA12U*

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

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
6/13/2012	*11:38 AM*	*2*	247	0	2	1.8	0	0	128	14	509	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)
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						
6/13/2012	*11:38 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 - 12/31/12.

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
6/13/2012	*11:36 AM*	9.42	11.7	526	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
6/13/2012		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: *11:35 AM*

Well Name *Warbonnet 1-9*

Well Ownership Info. *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	*200.5*

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)
12:20 PM	*9.55*	*774*	*386*	*13.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *None*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715899	*605125*	*7154*	*14.3*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:20 PM*

Time Used on Bottle Labels: *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: *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: *171 AMI279 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *650*

Sample Depth Actual (ft): *650*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 59

Weather Notes: *Clear, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed

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Arrival Time: 1:06 PM

Well Name	Well Ownership Info.
Warbonnet 1-9	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	200.5

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)
1:55 PM	9.54	745	372	15.9

Field Meter Used: Oakton 300 #2

Gas Alarm Data

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

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4715900	605124	7143	14.9

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:55 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: 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: 219 AMI279 DA12 S

Sampling Method: Bailers

Bailing Data (when applicable)

Sample Depth Proposed (ft): 650

Sample Depth Actual (ft): 650

Bailing Method Used: New Nylon Rope

Bailers Used: 2 new double check valve

Other Bailer Notes:

Approximate Outside Temperature (F): 80

Weather Notes: partly cloudy, breezy

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)
5/18/2007	*10:55 AM*	*2*	145	0.8	120	7.6	0	0	162	0	725	348
5/28/2008	*10:45 AM*	*2*	135	1.1	121	7.9	0	0	167	4	709	373
7/20/2009	*12:35 PM*	*1*	140	0	125	8.1	0	0	153	1	744	351
12/22/2009	*3:00 PM*	*2*	147	0	123	8.2	0	0	150	2	700	413
6/7/2010	*9:25 AM*	*2*	145	0	121	7.8	0	0	154	0	718	408
6/20/2012	*12:20 PM*	*1*	139	0	113	8	0	0	153	0	728	397
8/7/2012	*1:55 PM*	*1*	138	1	135	8.2	0	0	153	2	754	413

** 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	*10:55 AM*								0
5/28/2008	*10:45 AM*	0	0						
7/20/2009	*12:35 PM*	**2.1**	0	0	0	0	0	0	
12/22/2009	*3:00 PM*	0	0	0	0	0	0	**1.8**	
6/7/2010	*9:25 AM*	0	0	0	0	0	0	0	
6/20/2012	*12:20 PM*	**2.2**	0	0	0	0	0	0	
8/7/2012	*1:55 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 - 12/31/12.

Field Data

		pH	Temperature (C)	Conductivity (umhos/cm)	TDS (@180 C (mg/L)
5/18/2007	*10:55 AM*	9.72	13.4	733	368
5/28/2008	*10:36 AM*	9.77	12.6	716	359
7/20/2009	*12:46 PM*	9.42	16.4	654	327
12/22/2009	*3:02 PM*	9.31	11.2	694	347
6/7/2010	*9:27 AM*	9.38	12.5	681	340
6/20/2012	*12:20 PM*	9.55	13.1	774	386
8/7/2012	*1:55 PM*	9.54	15.9	745	372

Water Level Data

	Water Level	*
5/28/2008		3
7/20/2009	206.34	6
12/22/2009		3
6/7/2010		3
6/20/2012	200.50	5
8/7/2012	200.50	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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Arrival Time: *1:04 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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
256	*328*	*1:36 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:13 PM	*9.3*	*897*	*450*	*10.2*
1:16 PM	*9.4*	*950*	*472*	*11.5*
1:19 PM	*9.43*	*943*	*471*	*11.4*
1:22 PM	*9.49*	*944*	*471*	*11.5*
1:25 PM	*9.46*	*946*	*472*	*11.6*
1:28 PM	*9.37*	*945*	*471*	*11.7*
1:31 PM	*9.47*	*940*	*470*	*11.6*
1:34 PM	*9.41*	*946*	*473*	*11.6*

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
4718055	*602878*	*7053*	*14.8*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:36 PM	*1:36 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: *156 AMI280 DA12S*

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): 82

Weather Notes: *Clear, windy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above well piping brought from AMI148 (Warbonnet 13-14) and installed once we arrived on location.

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Arrival Time: *1:05 PM*

Well Name: *Boulder 14-32*

Well Ownership Info.: *Shell*

Well Locked ☑

Is Well Covered?: *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *Sonic Water Level Meter*

Water Level:

Pump Activity Upon Arrival?: *no*

Water Level Notes: *324.8 feet using the deep setting and 108.8 using the normal setting.*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718055	*602879*	*7086*	*14.2*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 59

Weather Notes: *mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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Arrival Time: *1:19 PM*

Well Name: *Boulder 14-32*

Well Ownership Info.: *Shell*

Well Locked ☑

Is Well Covered?: *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

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

Water Level: *110.65*

Pump Activity Upon Arrival?: *no*

Water Level Notes: *with the Sonic set to normal and 38 deg. reading was 108.8*

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4718054	*602879*	*7087*	*15.9*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 57

Weather Notes: *mostly clear, slight breeze*

SCCD Personnel Present

Delsa Allen *Loren Racich*

Overall Field / Sample Notes

No samples were collected, just a water level reading.

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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
6/5/2012	*1:36 PM*	*2*	150	2	180	11.4	0	0	206	3	922	503

** 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						
6/5/2012	*1:36 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 - 12/31/12.

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
6/5/2012	*1:34 PM*	9.41	11.6	946	473

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

Water Level Data

	Water Level	*
5/28/2008		3
5/19/2009		3
6/7/2010		3
9/22/2011		3
6/5/2012		3
9/26/2012		5
11/6/2012	110.65	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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Arrival Time: *9:54 AM*

Well Name *Mesa 11-34*

Well Ownership Info. *Shell*

Well Locked ☑

Is Well Covered? *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

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: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4728084	*596204*	*7175*	*12.5*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

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): 66

Weather Notes: *hazy, calm*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. We thought we would be collecting samples with bailers but found that there is a pump installed in this well - will make arrangements to sample this well with Premier Pumps.

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Arrival Time: *11:24 AM*

Well Name: *Riverside 11-34*

Well Ownership Info.: *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:

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0		

Water Meter Notes: *(ending meter reading was not recorded)*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
11:43 AM	*9.93*	*815*	*408*	*11.9*
11:46 AM	*9.14*	*730*	*363*	*16*
11:49 AM	*9.17*	*720*	*361*	*16.5*
11:52 AM	*9.17*	*721*	*361*	*16.7*
11:55 AM	*9.17*	*721*	*360*	*16.8*
11:58 AM	*9.17*	*721*	*360*	*16.8*
12:01 PM	*9.17*	*722*	*361*	*16.8*
12:04 PM	*9.16*	*719*	*359*	*16.9*
12:07 PM	*9.17*	*721*	*360*	*16.9*

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
4728083	*596203*	*7212*	*15.3*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

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

Duplicate Time Data (when applicable)

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

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: *268 AMI283 DA12 S and 268 AB023 DA12*

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: *partly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

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)
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
9/25/2012	*12:11 PM*	*2*	297	2	5	3.3	0	0	178	62	702	411
9/25/2012	*12:11 PM*	*2*	296	2	5	3.3	0	0	175	62	704	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)
10/17/2008	*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						
9/25/2012	*12:11 PM*	0	0						
9/25/2012	*12:11 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 - 12/31/12.

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
9/25/2012	*12:07 PM*	9.17	16.9	721	360

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

Water Level Data

	Water Level	*
10/17/2008	220.39	6
8/3/2009		3
8/3/2010		3
9/28/2011		3
8/13/2012		3
9/25/2012		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: *1:35 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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*74*	*2:11 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:44 PM	*9.45*	*553*	*277*	*12.3*
1:47 PM	*9.16*	*544*	*272*	*15.4*
1:50 PM	*9.15*	*551*	*275*	*15.6*
1:53 PM	*9.18*	*551*	*274*	*15.8*
1:56 PM	*9.18*	*542*	*272*	*15.9*
1:59 PM	*9.18*	*549*	*274*	*15.9*
2:02 PM	*9.19*	*550*	*275*	*16*
2:05 PM	*9.17*	*547*	*273*	*16.1*
2:08 PM	*9.14*	*542*	*271*	*16.1*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4727798	*597621*	*7044*	*15.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:11 PM	*2:11 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: *204 AMI284 DA12 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): 80

Weather Notes: *Thunderstorms and breezy to windy*

SCCD Personnel Present

Sharon Harrell	

Overall Field / Sample Notes

John with Premier pumps also present. Water meter and above well piping installed upon arrival had been used at AMI124 prior.

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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
7/23/2012	*2:11 PM*	*2*	281	1	8	5.1	0	0	151	21	639	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)
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						
7/23/2012	*2:11 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 - 12/31/12.

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
7/23/2012	*2:08 PM*	9.14	16.1	542	271

Water Level Data

	Water Level	*
8/29/2008		3
8/3/2009		3
8/3/2010		3
9/28/2011		3
7/23/2012		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: *9:45 AM*

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	*136.1*

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)
10:50 AM	*9.18*	*889*	*444*	*11.5*

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
4717182	*603231*	*7082*	*16.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:50 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: *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: *171 AMI285 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *630*

Sample Depth Actual (ft): *630*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 52

Weather Notes: *Clear, breezy*

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)
5/18/2007	*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
6/20/2012	*10:50 AM*	*1*	141	1	171	10.1	0	0	191	3	924	505

** 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	
6/20/2012	*10:50 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 - 12/31/12.

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
6/20/2012	*10:50 AM*	9.18	11.5	889	444

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
6/20/2012	136.10	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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Arrival Time: *12:22 PM*

Well Name: *Well #1*

Well Ownership Info.: *Jon Walker*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes:
Well is not sealed between hydrant pipe and well cover. Mentioned this to renter.

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival?
yes, renter doing laundry

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

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:32 PM	7.55	1347	673	14.6
12:35 PM	7.77	1369	684	12.2
12:38 PM	7.8	1378	689	9
12:41 PM	7.81	1381	688	8.9
12:44 PM	7.8	1376	688	10.7
12:47 PM	7.82	1378	689	11
12:50 PM	7.78	1397	698	8.6
12:53 PM	7.8	1386	687	10.4
12:56 PM	7.8	1388	695	9.1

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745229	588610	7271	15.3

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *1:00 PM*

Time Used on Bottle Labels: *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:
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:
220 AMI293 DA12

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): 80

Weather Notes:
hazy & slight breeze

SCCD Personnel Present
Sharon Harrell

Overall Field / Sample Notes
Pump kept surging.

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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
8/8/2012	*1:00 PM*	*3*	288	50	83	0.6	6	3	241	252	1320	856

** 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						
8/8/2012	*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 - 12/31/12.

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
8/8/2012	*12:56 PM*	7.80	9.1	1388	695

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
8/8/2012		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: *12:28 PM*

Well Name	Well Ownership Info.
White Water # 4	*Zane & Christine White / White Mountain Properties*

Is Well Covered? *Metal cap/covering*

Well Locked ☐

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*240.8*

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)
12:48 PM	*9.28*	*467*	*228*	*11*
12:51 PM	*9.52*	*465*	*232*	*9.6*
12:54 PM	*9.49*	*463*	*231*	*10.2*
12:57 PM	*9.52*	*463*	*230*	*10.4*
1:00 PM	*9.58*	*461*	*230*	*10.5*
1:03 PM	*9.59*	*462*	*230*	*10.5*
1:06 PM	*9.6*	*461*	*229*	*10.6*
1:09 PM	*9.6*	*461*	*230*	*10.6*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4744766	*588046*	*7360*	*14.4*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
1:14 PM	*1:14 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: *226 AMI295 DA12*

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: *hazy & slight breeze*

SCCD Personnel Present

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)
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
8/14/2012	*1:14 PM*	*3*	212	0	3	0.9	0	0	102	26	442	249

** 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						
8/14/2012	*1:14 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 - 12/31/12.

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
8/14/2012	*1:09 PM*	9.60	10.6	461	230

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
8/14/2012	240.80	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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Arrival Time: *9:44 AM*

Well Name *Rainbow 13-29*

Well Ownership Info. *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	*358.9*

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)
10:25 AM	*9.25*	*911*	*457*	*12.3*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4710013	*612188*	*7336*	*13*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *10:25 AM*

Time Used on Bottle Labels: *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: *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: *219 AMI297 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *550*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 69

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)
7/13/2009	*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
8/7/2012	*10:25 AM*	*1*	121	2	13	1.8	0	0	183	261	870	548

** 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						
8/7/2012	*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 - 12/31/12.

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
8/7/2012	*10:25 AM*	9.25	12.3	911	457

Water Level Data

	Water Level	*
7/13/2009	367.10	6
9/20/2010	366.25	6
10/13/2011	358.50	5
8/7/2012	358.90	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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Arrival Time: *10:29 AM*

Well Name: *Rainbow 8-31*

Well Ownership Info.: *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: *Not accessible for water level reading*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0		

Water Meter Notes: *(ending meter reading was not recorded)*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:41 AM	*9.62*	*495*	*248*	*13*
10:44 AM	*9.86*	*488*	*244*	*13.6*
10:47 AM	*9.78*	*489*	*244*	*13.7*
10:50 AM	*9.8*	*490*	*245*	*13.8*
10:53 AM	*9.78*	*491*	*245*	*13.8*
10:56 AM	*9.79*	*490*	*245*	*13.8*
10:59 AM	*9.88*	*489*	*245*	*13.9*
11:02 AM	*9.88*	*491*	*246*	*13.8*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4709386	*611623*	*7348*	*15*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *11:06 AM*

Time Used on Bottle Labels: *11:06 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: *198 AMI298 DA12 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: *Mostly clear, calm*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

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)
7/13/2009	*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
7/17/2012	*11:06 AM*	*2*	132	0	34	9.8	0	0	109	28	470	285

** 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						
7/17/2012	*11:06 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 - 12/31/12.

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
7/17/2012	*11:02 AM*	9.88	13.8	491	246

Water Level Data

	Water Level	*
7/13/2009	409.67	6
7/22/2010		3
9/21/2011		3
7/17/2012		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: *3:43 PM*

Well Name: *South Mesa 12-14*

Well Ownership Info.: *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	*64.9*

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)
4:34 PM	*9.51*	*769*	*383*	*12.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4713870	*598013*	*6975*	*13.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *4:34 PM*

Time Used on Bottle Labels: *4:34 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: *221 AMI300 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *550*

Sample Depth Actual (ft): *550*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 81

Weather Notes: *partly 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)
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
8/9/2012	*4:34 PM*	*1*	173	1	98	8.1	0	0	151	3	744	401

** 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						
8/9/2012	*4:34 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 - 12/31/12.

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
8/9/2012	*4:34 PM*	9.51	12.4	769	383

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
8/9/2012	64.90	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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Arrival Time: *2:40 PM*

Well Name *Warbonnet 11-4*

Well Ownership Info. *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	*161.1*

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)
3:32 PM	*9.32*	*985*	*490*	*16.1*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#2*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4716933	*604511*	*7135*	*13.8*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:32 PM*

Time Used on Bottle Labels: *3:32 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: *219 AMI301 DA12 S*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *685*

Sample Depth Actual (ft): *685*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 79

Weather Notes: *partly cloudy, calm to breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

BTEX 8260 and 8021 will also be analyzed. Water was aerated. Two of the six 40ml vials had small bubbles present that were unavoidable. On 08-08-12 prior to shipping bottles to the laboratory, bubbles had formed in all 6 of the 40 ml vials.

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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
8/7/2012	*3:32 PM*	*1*	132	1	212	10	0	0	202	1	992	521

** 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	
8/7/2012	*3:32 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 - 12/31/12.

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
8/7/2012	*3:32 PM*	9.32	16.1	985	490

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
8/7/2012	161.10	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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Arrival Time: *2:10 PM*

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: *Not accessible*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
492		

Water Meter Notes: *Ending barrel was not recorded*

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:21 PM	*9.37*	*639*	*320*	*11.2*
2:24 PM	*9.17*	*562*	*279*	*16*
2:27 PM	*9.17*	*558*	*279*	*16.5*
2:30 PM	*9.14*	*557*	*279*	*16.8*
2:33 PM	*9.12*	*558*	*280*	*16.8*
2:36 PM	*9.13*	*558*	*279*	*16.8*
2:39 PM	*9.13*	*556*	*279*	*16.9*

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
4730231	*597574*	*7176*	*14.1*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:41 PM	*2:41 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: *164 AMI302 DA12S*

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): 75

Weather Notes: *Mostly sunny, breezy*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above-well piping came from AMI308 and was installed upon arrival.

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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
6/13/2012	*2:41 PM*	*2*	256	1	8	4.9	0	0	138	14	540	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)
5/21/2009	*1:13 PM*	0	0						
6/16/2010	*11:05 AM*	0	0						
11/23/2011	*11:30 AM*	0	0						
6/13/2012	*2:41 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 - 12/31/12.

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
6/13/2012	*2:39 PM*	9.13	16.9	556	279

Water Level Data

	Water Level	*
5/21/2009		3
6/16/2010		3
11/23/2011		3
6/13/2012		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: *9:52 AM*

Well Name	Well Ownership Info.
Jensen 11-11	*Shell*

Well Locked ☐

Is Well Covered? *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
None	

Pump Activity Upon Arrival? *No*

Water Level Notes: *Well is artesian*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
0	*15*	*10:32 AM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
10:12 AM	*8.94*	*657*	*329*	*9.6*
10:15 AM	*9.11*	*626*	*314*	*10.9*
10:18 AM	*9.1*	*625*	*313*	*10.8*
10:21 AM	*9.11*	*625*	*314*	*10.8*
10:24 AM	*9.04*	*627*	*314*	*10.8*
10:27 AM	*9.08*	*625*	*313*	*10.9*
10:30 AM	*9.08*	*625*	*314*	*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
4724940	*598104*	*6900*	*15*

Unit Used	GPS Notes
Garmin GPS Map 76	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:32 AM	*10:32 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: *164 AMI304 DA12S*

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): 65

Weather Notes: *Clear, calm*

SCCD Personnel Present

Delsa Allen	*Sharon Harrell*

Overall Field / Sample Notes

Well is artesian but is sealed so its not flowing. Valve was opened at 10:10 am to allow flow. 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
6/13/2012	*10:32 AM*	*6*	292	1	7	6	0	0	157	14	600	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)
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						
6/13/2012	*10:32 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 - 12/31/12.

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
6/13/2012	*10:30 AM*	9.08	10.9	625	314

Water Level Data

	Water Level	*
5/28/2008		3
5/20/2009		3
6/16/2010		3
9/28/2011		3
6/13/2012		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: *2:45 PM*

Well Name: *Mesa 11-19 (also known as 14-19)*

Well Ownership Info.: *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	*401.4*

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)
3:51 PM	*9.2*	*637*	*318*	*13.1*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4731575	*591584*	*7490*	*13.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:51 PM*

Time Used on Bottle Labels: *3:51 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: *269 AMI305 DA12 A*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *800*

Sample Depth Actual (ft): *800*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 62

Weather Notes: *mostly cloudy, calm*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

Limited sample collected due to one bailer coming up empty. Will request lab run metals from unpreserved & unfiltered sample bottle.

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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
9/26/2012	*3:51 PM*	*1*	182	1	16	1.7	0	0	142	83	610	365

** 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						
9/26/2012	*3:51 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 - 12/31/12.

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
9/26/2012	*3:51 PM*	9.20	13.1	637	318

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
9/26/2012	401.40	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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Arrival Time: *12:56 PM*

Well Name *Mesa 3-19*

Well Ownership Info. *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	*512.3*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4732536	*591709*	*7485*	*17.4*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *2:27 PM*

Time Used on Bottle Labels: *2:27 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: *284 AMI306 DA12 A*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *900*

Sample Depth Actual (ft): *900*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 new double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes: *clear, slight breeze*

SCCD Personnel Present

Delsa Allen *Daren Many*

Overall Field / Sample Notes

Bailers came up mostly empty, were sent back down well with new rope and came up with one bailer full and one empty. We chose to fill what bottles we could from the one full bailer. There was not enough sample to measure field parameters. Only one 1-liter glass bottle was filled. Glenn Owings 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)
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
10/11/2012	*2:27 PM*	*1*	218	1	17	3.6	0	0	141	52	596	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						
10/11/2012	*2:27 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 - 12/31/12.

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
10/11/2012	512.30	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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Arrival Time: *11:56 AM*

Well Name: *Stewart Point 16-6*

Well Ownership Info.: *Shell*

Well Locked ☑

Is Well Covered?: *Industrial pump in place w/ metal covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *None*

Water Level:

Pump Activity Upon Arrival?: *no*

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

Water Meter Data (when available)

Starting (bls): *2*

Ending (bls): *73*

Ending Time: *12:39 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
12:09 PM	9.91	422	211	9.8
12:12 PM	9.77	417	208	11.8
12:15 PM	9.77	417	206	12.2
12:18 PM	9.7	408	204	12.3
12:21 PM	9.72	409	205	12.5
12:24 PM	9.76	409	204	12.5
12:27 PM	9.75	408	204	12.6
12:30 PM	9.75	407	204	12.6
12:33 PM	9.73	406	203	12.7
12:36 PM	9.75	406	203	12.6

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745271	589473	7316	14.7

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *12:39 PM*

Time Used on Bottle Labels: *12:39 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: *213 AMI307 DA12 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: *partly cloudy to mostly cloudy, slight breeze*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Water meter and above-well piping was brought to this location and installed by John after we arrived to this location.

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Arrival Time: *4:05 PM*

Well Name: *Stewart Point 16-6*

Well Ownership Info.: *Shell*

Well Locked ☑

Is Well Covered?: *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used	Water Level
Sonic Water Level Meter	*219.7*

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)

Field Meter Used: *None*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745273	*589472*	*7316*	*14.7*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

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: *clear, breezy*

SCCD Personnel Present

Delsa Allen | *Sharon Harrell*

Overall Field / Sample Notes

No samples were collected. This visit was to collect water level only.

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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
8/1/2012	*12:39 PM*	*2*	193	0	2	1.1	0	0	98	3	390	232

** 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						
8/1/2012	*12:39 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 - 12/31/12.

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
8/1/2012	*12:36 PM*	9.75	12.6	406	203

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

Water Level Data

	Water Level	*
10/28/2008		3
8/3/2009		3
8/3/2010		3
10/12/2011		3
8/1/2012		3
9/5/2012	219.70	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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Arrival Time: *1:02 PM*

Well Name *Mesa 4-28 (1-29)*

Well Ownership Info. *Shell*

Well Locked ☑

Is Well Covered? *Industrial pump in place*

Well Covering Notes:

Water Level Values

Water Level Meter Used *None*

Water Level

Pump Activity Upon Arrival? *No*

Water Level Notes: *Not accessible*

Water Meter Data (when available)

Starting (bls):	Ending (bls):	Ending Time:
417	*480*	*1:40 PM*

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
1:14 PM	*8.66*	*641*	*320*	*14.1*
1:17 PM	*8.79*	*618*	*308*	*13.5*
1:20 PM	*8.91*	*617*	*309*	*13.7*
1:23 PM	*8.95*	*619*	*309*	*13.7*
1:26 PM	*8.96*	*619*	*309*	*13.7*
1:29 PM	*8.93*	*620*	*310*	*13.8*
1:32 PM	*8.95*	*622*	*311*	*13.8*
1:35 PM	*9*	*621*	*311*	*13.8*
1:38 PM	*8.96*	*622*	*311*	*13.9*

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
4730586	*594210*	*7455*	*13.7*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *1:40 PM*

Time Used on Bottle Labels: *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: *164 AMI308 DA12S*

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 sunny, breezy*

SCCD Personnel Present

Delsa Allen *Sharon Harrell*

Overall Field / Sample Notes

John with Premier Pumps also present. Meter and above-well piping was brought from AMI160 and installed in this well upon arrival.

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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
6/13/2012	*1:40 PM*	*2*	184	3	8	0.6	0	1	142	100	600	359

** 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						
6/13/2012	*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 - 12/31/12.

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
6/13/2012	*1:38 PM*	8.96	13.9	622	311

Water Level Data

	Water Level	*
5/20/2009		3
6/7/2010		3
9/29/2011		3
6/13/2012		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: *3:27 PM*

Well Name: *Oliver Well #1*

Well Ownership Info.: *Bob & Sara Oliver*

Well Locked ☐

Is Well Covered?: *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *Sonic Water Level Meter*

Water Level:

Pump Activity Upon Arrival?: *unknown*

Water Level Notes: *water level reading not accurate - pipe (smaller casing) approximately 13 feet down well*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
3:50 PM	7.99	1270	634	12.7
3:53 PM	8.24	1284	635	8.5
3:56 PM	8.35	1272	635	8.3
3:59 PM	8.32	1273	636	8.8
4:02 PM	8.19	1306	651	7.8
4:05 PM	8.33	1307	653	7.8
4:08 PM	8.33	1276	633	8.9
4:11 PM	8.35	1309	653	8.1
4:14 PM	8.4	1309	654	8.4

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4744913	587927		13.7

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *4:19 PM*

Time Used on Bottle Labels: *4:19 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: *226 AMI310 DA12*

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): 81

Weather Notes: *hazy & windy*

SCCD Personnel Present: *Sharon Harrell*

Overall Field / Sample Notes

Water pressure was continuous until 16:08 field sample at which time it dropped way down.

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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
8/14/2012	*4:19 PM*	*3*	241	10	14	1.4	1	1	287	332	1230	771

** 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						
8/14/2012	*4:19 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 - 12/31/12.

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
8/14/2012	*4:14 PM*	8.40	8.4	1309	654

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
8/14/2012		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: *2:30 PM*

Well Name *Blue Rim State #2*

Well Ownership Info. *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	*297.5*

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)
3:05 PM	*9.71*	*531*	*265*	*12.6*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used: *Gas Alert Micro#1*

Gas Alarm Readings: *none*

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4714365	*604965*	*7269*	*16.4*

Unit Used *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *3:05 PM*

Time Used on Bottle Labels: *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: *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: *267 AMI311 DA12 Y*

Sampling Method: *Bailers*

Bailing Data (when applicable)

Sample Depth Proposed (ft): *500*

Sample Depth Actual (ft): *500*

Bailing Method Used: *New Nylon Rope*

Bailers Used: *2 previously used double check valve*

Other Bailer Notes:

Approximate Outside Temperature (F): 64

Weather Notes: *mostly cloudy, calm to 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)
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
9/24/2012	*3:05 PM*	*1*	242	0	10	4.9	0	0	130	0	510	295

** 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						
9/24/2012	*3:05 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 - 12/31/12.

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
9/24/2012	*3:05 PM*	9.71	12.6	531	265

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
9/24/2012	297.50	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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Arrival Time: *2:08 PM*

Well Name: *Whitewater 13*

Well Ownership Info.: *Zane & Christine White*

Well Locked ☐

Is Well Covered?: *Metal cap/covering*

Well Covering Notes:

Water Level Values

Water Level Meter Used: *Sonic Water Level Meter*

Water Level:

Pump Activity Upon Arrival?: *unknown*

Water Level Notes: *could not access well for an accurate water level reading - appears to be obstruction approximately 11 feet down the well.*

Water Meter Data (when available)

Starting (bls):

Ending (bls):

Ending Time:

Water Meter Notes:

Field Parameters

Time	pH	Conductivity	TDS	Temp. (C)
2:24 PM	7.69	452	227	12.8
2:27 PM	9.47	468	235	9.2
2:30 PM	9.5	470	235	8.5
2:33 PM	9.52	468	233	8.9
2:36 PM	9.51	466	233	9.6
2:39 PM	9.55	466	233	9.9
2:42 PM	9.55	466	233	9.9

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4744862	588026	7360	15.9

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *2:45 PM*

Time Used on Bottle Labels: *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: *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: *226 AMI314 DA12*

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): 82

Weather Notes: *hazy & breezy*

SCCD Personnel Present: *Sharon Harrell*

Overall Field / Sample Notes: *Water pressure very good this year. Hydrant is very hard to turn off. There is a old pump on ground outside well - will check with well owner to see if pump has been replaced since our last sample in 2011.*

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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
8/14/2012	*2:45 PM*	*3*	226	0	3	3	0	0	112	18	448	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)
8/10/2009	*2:45 PM*	0	0						
9/14/2010	*11:40 AM*	0	0						
8/17/2011	*3:30 PM*	0	0						
8/14/2012	*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 - 12/31/12.

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
8/14/2012	*2:42 PM*	9.55	9.9	466	233

Water Level Data

	Water Level	*
8/10/2009	222.75	1
9/14/2010		3
8/17/2011		5
8/14/2012		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: *2:52 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*

Water Level Notes: *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)
3:03 PM	7.99	342	171	8.7
3:06 PM	8.8	330	164	7.6
3:09 PM	8.92	330	165	7.2
3:12 PM	8.95	328	165	7.2
3:15 PM	8.92	328	164	7.2
3:18 PM	8.89	326	163	7.1
3:21 PM	8.88	325	163	7

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4745820	591294	7168	15.5

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes:

Actual Sample Collection Time: *3:24 PM*

Time Used on Bottle Labels: *3:24 PM*

Duplicate Time Data (when applicable)

Actual Sample Collection Time: *3:24 PM*

Time Used on Bottle Labels: *00:00*

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: *197 AMI317 DA12 and 197 AB010 DA12*

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: *Mostly cloudy, slight breeze*

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)
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
7/16/2012	*3:24 PM*	*3*	133	10	3	0.4	1	1	63	22	310	190
7/16/2012	*3:24 PM*	*3*	134	10	3	0.4	1	1	64	22	310	191

** 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						
7/16/2012	*3:24 PM*	0	0						
7/16/2012	*3:24 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 - 12/31/12.

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
7/16/2012	*3:21 PM*	8.88	7	325	163

Water Level Data

	Water Level	*
7/21/2009		3
8/16/2010		3
8/3/2011		3
7/16/2012		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: *10:15 AM*

Well Name: *unkown permit info (weed & pest building)*

Well Ownership Info.: *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 get one of the bolts undone to access the 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)
10:27 AM	9.38	298	150	13.4
10:30 AM	9.53	298	149	15.5
10:33 AM	9.62	297	150	9.8
10:36 AM	9.62	304	152	9.6
10:39 AM	9.68	305	153	8.9
10:42 AM	9.64	304	151	11.7
10:45 AM	9.67	305	152	9.5

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740939	*595457*	*7164*	*14.9*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
10:49 AM	*10:49 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: *234 AMI318 DA12*

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: *mostly clear, 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)
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
8/22/2012	*10:49 AM*	*3*	115	0	4	0.3	0	0	64	22	288	163

** 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						
8/22/2012	*10:49 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 - 12/31/12.

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
8/22/2012	*10:45 AM*	9.67	9.5	305	152

Water Level Data

	Water Level	*
7/21/2009	36.02	1
9/23/2010	37.16	1
8/19/2011	37.30	5
8/22/2012		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: *11:40 AM*

Well Name: *Sublette County Maintenance Shop #1*

Well Ownership Info.: *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: *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)
11:48 AM	9.53	303	152	17
11:51 AM	9.63	293	147	15.9
11:54 AM	9.67	297	149	13.2
11:57 AM	9.7	296	148	11.5
12:00 PM	9.65	287	144	10.1
12:03 PM	9.64	286	143	9.6
12:06 PM	9.66	284	142	9.5
12:09 PM	9.65	282	141	9.5

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740813	595441	7150	15.8

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *12:15 PM*

Time Used on Bottle Labels: *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: *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: *234 AMI319 DA12*

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): 73

Weather Notes: *mostly cloudy, 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	*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
8/22/2012	*12:15 PM*	*5*	112	0	4	0.2	0	0	63	16	265	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						
8/22/2012	*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 - 12/31/12.

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
8/22/2012	*12:09 PM*	9.65	9.5	282	141

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3
8/22/2012		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: *11:03 AM*

Well Name: *Sublette County Maintenance Shop FIR*

Well Ownership Info.: *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: *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)
11:13 AM	*6.59*	*294*	*148*	*9.9*
11:16 AM	*7.2*	*281*	*141*	*8.8*
11:19 AM	*7.21*	*283*	*142*	*8.4*
11:22 AM	*7.29*	*283*	*141*	*8.5*
11:25 AM	*7.28*	*282*	*142*	*8.4*
11:28 AM	*7.28*	*283*	*141*	*8.4*

Field Meter Used: *Oakton 300 #2*

Gas Alarm Data

Alarm Unit Used: *None*

Gas Alarm Readings:

Gas Alarm Notes:

Location Data

Northing	Easting	Elev(ft)	Accuracy
4740796	*595434*	*7164*	*15.2*

Unit Used: *Garmin GPS Map 76 - unit 2*

GPS Notes

Actual Sample Collection Time: *11:31 AM*

Time Used on Bottle Labels: *11:31 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: *samples collected from hose attached to fire hydrant*

Sample Bottle Notes / Sample ID: *234 AMI320 DA12*

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): 70

Weather Notes: *mostly 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	*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
8/22/2012	*11:31 AM*	*5*	143	34	1	0.3	10	2	5	6	266	150

** 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						
8/22/2012	*11:31 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 - 12/31/12.

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
8/22/2012	*11:28 AM*	7.28	8.4	283	141

Water Level Data

	Water Level	*
7/21/2009		3
9/23/2010		3
8/19/2011		3
8/22/2012		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: *1:43 PM*

Well Name	Well Ownership Info.
Mesa Rd No 1	*Nerd Gas (Neil & Susan McMurry)*

Well Locked ☐

Is Well Covered? *Metal cap/covering*

Well Covering Notes: *well is also covered with insulation and black plastic*

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)
1:53 PM	*8.97*	*421*	*206*	*10.9*
1:56 PM	*9.28*	*406*	*203*	*9.7*
1:59 PM	*9.09*	*446*	*221*	*9.5*
2:02 PM	*9.43*	*567*	*285*	*9.9*
2:05 PM	*9.41*	*595*	*297*	*10*
2:08 PM	*9.43*	*616*	*308*	*10.4*
2:11 PM	*9.43*	*634*	*317*	*10.3*
2:14 PM	*9.42*	*646*	*322*	*10.3*
2:17 PM	*9.41*	*652*	*326*	*10.4*

Field Meter Used: *Oakton 300*

Gas Alarm Data

Alarm Unit Used:	Gas Alarm Readings:
None	

Gas Alarm Notes: *Not accessible for alarm reading*

Location Data

Northing	Easting	Elev(ft)	Accuracy
4717813	*593114*	*6925*	*16.2*

Unit Used	GPS Notes
Garmin GPS Map 76 - unit 2	

Actual Sample Collection Time:	Time Used on Bottle Labels:
2:20 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: *17) Other*

DRO bottles filled from: *17) Other*

Rest of bottles filled from: *17) Other*

Bottle Fill Notes: *SCCD Y attached to pipe comeing directly from well (see photos)*

Sample Bottle Notes / Sample ID: *255 AMI323 DA12*

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 to windy*

SCCD Personnel Present

Sharon Harrell

Overall Field / Sample Notes

Water started out turbid & then cleared up.

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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
9/12/2012	*2:20 PM*	*2*	306	2	13	3.7	0	0	154	15	642	387

** 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						
9/12/2012	*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 - 12/31/12.

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
9/12/2012	*2:17 PM*	9.41	10.4	652	326

Water Level Data

	Water Level	*
9/16/2009		3
9/20/2010		3
9/7/2011		3
9/12/2012		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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