APPENDIX E

WELL LOGS AND WELL DRILLER'S REPORTS

State of Nevada
DIVISION OF ENVIRONMENTAL PROTECTION
Bureau of Water Pollution Control

REPORT

Date: July 2, 1996

To: Sha-Neva Rocky Ridge file

From: Robert Speck

Subject: Inspection, sampling

I inspected the gravel pit, especially the washing operation, at the request of Dan Herman (424-0822) to try to determine whether or not Sha-Neva is contributing arsenic to the ground water.

Kelly Shane (plant manager) took me on a tour of the plant and answered my questions. The natural fines and rock dust are washed off the gravel and flow to settling ponds. After the fines settle out of the water it is pumped into trucks and re-used for dust control. Water in the sand wash goes to a clarifier and is recycled. They are hoping that all water will go through the clarifier by the end of the summer. All water that goes into the settling ponds stays on the property. The "wetlands" beyond the property comes and goes with the rainfall. It always has.

I took two water samples. The first was taken from the culvert between the gravel washing and the settling ponds, and was very high in particulates. The second sample, which was very clear, was taken from the settling pond near the pump.

One of the employees in the machine shop is a well driller and said that the ground water in the valley is naturally high in arsenic, mostly toward the southern end.

Several entities seem to have done studies in the area. Mark Forrest of Harding Lawson & Associates did some groundwater work in Bone Yard Flat (the "wetlands") for Washoe County. The county (Leonard Crowe of Flood Control) wanted to intercept surface water and divert it to an infiltration basin, but due to the presence of arsenic and impermeability of the soils, abandoned the idea. Mark said that he believes that very little, <u>if any</u>, of the water entering the Bone Yard Flat percolates into the groundwater. I was able to obtain a copy of the lab test of the Sha-Neva Rocky Ridge well from Dan Dragan of the Washoe County Utility Dept. Arsenic was listed as 0.008 ppm. The county has a monitoring well in Bone Yard Flat and three others along the west side of the road. Dan will try to obtain well logs and sample data for me. (Note: copies of the well logs and sample data for the county monitoring wells are attached. The Bone Yard Flat monitoring well is SSP8.) Dan also said that the county is trying to develop another municipal well in the Spanish Springs area. They have been stifled by high nitrate and/or high

arsenic in every well. He said there seems to be no rhyme nor reason to the results. They originally thought the nitrates were from septics, but that they found them in wells that were not near, nor down gradient from, septics. Arsenic also seems to be naturally occurring in the area in a random pattern.

The results from the water samples I took came in on August 16. Sample #1, from the culvert, had 1.300 ppm arsenic and sample #2, from the pond, had 0.026 ppm arsenic. It appears that arsenic is tied up in the particulates and does not go into solution. That, plus the impermeability of the soils in Bone Yard Flat, would suggest a low probability of arsenic being carried into the drinking water aquifer.

2/10/97

Rob Saunders and I revisited the plant on February 7, 1997. We met with Kelly Shane and took a tour of the plant. Rob inquired about a Storm Water Permit and was informed that AGRA Earth & Environmental is already working on a Storm Water Plan.

Gravel is crushed from two rock sources in the mountain to the west of the plant. These rock formations will be sampled for arsenic content to see if the arsenic source can be found. The sand is mined from alluvium which will also be tested. The sand wash water is still recycled through a clarifier.

We took another look at the gravel wash water system. The water flows to the pond area via a ditch and enters a "delta" area which is surrounded by an earthen dike. Nearly all of the sediment is deposited in this area. The water works it's way northward and then turns west. It then flows in a southerly direction into the ponds which are about 15 feet deep. Water is taken out of the south end of the pond and used for dust control and reused to wash gravel. No waste water leaves the property via the surface. A review of a well log (attached) in Bone Yard Flat reveals a clay layer from 20 to 50 feet which makes percolation to the water table inconceivable.

I spoke with Armando Robledo of the USGS about Bone Yard Flat. He conducted a study on the entire Spanish Springs Valley which is just about to go to publication. He stated that a geologic report of the area shows that there is some naturally occurring arsenic in the rock formations of the area and that the rock crushing activities would make it more readily available. He concurred that percolation to the water table in Bone Yard Flat would not occur, especially in light of the yearly evaporation rate of 48 inches.

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

Permit No. _____
Basin _____

NOTICE OF INTENT NO. 24096

1. OWNER Washoe County Utility Division
MAILING ADDRESS P.O. Box 11130
Reno, NV 89520

ADDRESS OF WELL LOCATION Yellish Springs Site #6457

2. LOCATION SW ¼ NW ¼ Sec. 23 T. 21 N/S R. 20 E/W Washoe County

PERMIT NO. NA (Issued by Water Resources) | Parcel No. NA | Subdivision Name NA

3. WORK PERFORMED: ☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Abandon

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE: ☐ Cable ☒ Rotary ☐ RVC ☐ Air ☐ Other

6. LITHOLOGY

Material	From (Feet)	To (Feet)	Thickness (Feet)
Fine sand/silt	0	16	16
Brown clay	16	20	4
Granite/volcanic sand	20	26	6
Brown silty clay	26	32	6
Granitic sand	32	40	8
Brown silty clay	40	46	6
[illegible]	[illegible]	[illegible]	[illegible]
Brown clay/sand	82	90	8
Granitic sand	90	98	8
Brown clay	98	108	10
Granitic sand	108	130	22
Granitic sand/clay	130	138	8
Brown clay	138	143	5
Granitic sand/clay	143	170	27
Compacted granitic sand	170	210	40

7. WELL CONSTRUCTION
Total Depth of Completed Well 210 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From (Feet)	To (Feet)
7 7/8	0	210

CASING SCHEDULE

Inches	Weight (Lbs/Ft)	Material	From (Feet)	To (Feet)
2"		Galvanized	+2	126

Perforations:
Type perforation Slotted pipe
Size perforation 1/8 X 2½ 4 per foot
From 126 feet to 310 feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 61'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 61 feet to 210 feet

8. WATER LEVEL
Static Level 63.96 Feet below Land Surface
Artesian flow _____ GPM
Water temperature cold °F Quality good

Wm. Mac [illegible]
Date Completed 01/07/94
Signature [illegible]

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (01-47)

PINK—WELL DRILLER'S COPY

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

Log No.
Permit No.
Basin

NOTICE OF INTENT NO. 24091

Company Washoe County Utility Division
Mailing Address P.O. Box 31130
Reno, NV 89520

ADDRESS AT WELL LOCATION
Spanish Springs Site #[illegible]

2. LOCATION SW ¼ NE ¼ Sec. 14 T. 21 N R. 20 E Washoe County

PERMIT NO. NA (Issued by Water Resources) | NA (Parcel No.) | NA (Subdivision Name)

3. WORK PERFORMED: ☒ New Well ☐ Replace ☐ Reconditioning ☐ Other

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE: ☐ Cable ☒ Rotary ☐ RVC ☐ Other

6. GEOLOGIC LOG

Material	Color	From	To	Thickness
Silt & clay		0	5	5
Granite & clay		5	20	15
Brown clay		20	50	30
Brown clay/fine sand		50	77	27
Granitic sand/clay		77	90	13
Brown clay/sand		90	98	8
[illegible]		[illegible]	[illegible]	[illegible]
Brown clay/sand		103	123	20
Granitic sand		123	130	7
Tan clay		130	153	23
Tan clay/sand		153	192	39
Brown clay		192	200	8
Granitic sand		200	218	18
Tan clay		218	222	4
Granitic sand		222	226	4
Brown clay/sand		226	240	14

7. WELL CONSTRUCTION
Date Drilled 7/8/93 Total Depth 240 Completed Depth 240

HOLE DIAMETER (BIT SIZE)

	From	To
7 7/8 Inches	0 Feet	240 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Diameter	Wall Thickness (Gauge)	Material	From (Feet)	To (Feet)
2		Galvanized	+2	105

Perforations:
Type perforation Slotted
Size perforation 1/8 X 2½
From 105 feet to 230 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 57'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 57 feet to 240 feet

9. WATER LEVEL
Static water level [illegible] feet
Artesian flow [illegible] G.P.M.
Water temperature cold °F Quality good

[illegible]

Signature [illegible]
Date 7/8/93

Form 3-91

USE ADDITIONAL SHEETS IF NECESSARY

[illegible]

PINK—WELL DRILLER'S COPY

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

Log No. _____
Permit No. _____
Basin _____

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

NOTICE OF INTENT NO. 24098

1. OWNER Washoe County Utility Division
MAILING ADDRESS P. O. Box 11130
Reno, NV 89520

ADDRESS AT WELL LOCATION: Spanish Springs Site #5

2. LOCATION NE ¼ SW ¼ Sec. 27 ¼ T 21 N/S R 20 E/F Washoe County

PERMIT NO. NA (Issued by Water Resources) | NA (Parcel No.) | NA (Subdivision Name)

3. WORK PERFORMED: ☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE: ☐ Cable ☒ Rotary ☐ RVC ☐ Air ☐ Other

6. [illegible]

Material	Water Strata	From	To	Thickness
Fine sand/silt		0	5	5
Granitic sand		5	46	41
Granitic sand/sm gravel		46	65	19
Granitic sand/brn clay		65	70	5
Granitic sand		70	75	5
Brown clay/sand		75	[illegible]	[illegible]
Granitic sand		80	[illegible]	[illegible]
Granitic sand/brn clay		96	125	29
Granitic sand		125	144	19
Granitic sand/brn clay		144	205	61
Granitic sand		205	210	5
Granitic sand/brn clay		210	222	12
Granitic sand		222	240	18
Granitic sand/brn clay		240	[illegible]	[illegible]

7. WELL CONSTRUCTION
Depth Drilled [illegible] Feet Depth Cased 235 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
7 7/8 Inches	0 Feet	250 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2"		galvanized	+2	130

Perforations:
Type perforation Slotted pipe
Size perforation 1/8 X 2½ 4 per foot
From 130 feet to 235 feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 50'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 50 feet to 235 feet

9. WATER LEVEL
[illegible] below land surface
Artesian flow _____ P.S.I.
Water temperature Cold °F Quality good

[illegible]

Date [illegible]

USE ADDITIONAL SHEETS IF NECESSARY

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Permit No.
Basin

NOTICE OF INTENT NO. 24091

OWNER: Washoe County Utility Division
MAILING ADDRESS: P.O. Box 11130
Reno, NV 89520

ADDRESS OF WELL LOCATION: Spanish Springs Site #9

2. LOCATION: SE ¼ SE ¼ Sec. T. 21 N/S R. 20 R. Washoe County

PERMIT NO. NA (Issued by Water Resources) | NA (Parcel No.) | NA (Subdivision Name)

3. WORK PERFORMED: ☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☐ Monitoring ☐ Stock

5. WELL TYPE: ☐ Cable ☒ Rotary ☐ RC ☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Bearing	From	To	Thickness
Decomposed granite		0	15	15
Granite sand/gravel		15	27	12
Gray volcanic tuff		27	70	43
Tan volcanic tuff		70	140	70
Gray volcanic tuff		140	157	17
[illegible]		[illegible]	[illegible]	[illegible]
Tan clay		190	225	35
Blue-gray clay		225	240	15
Brown/gray/red clay		240	370	130
Volcanic sand		370	375	5
White tuff clay		375	405	30
Gray volcanic tuff		405	440	35

7. WELL CONSTRUCTION

Depth Drilled

HOLE DIAMETER (BIT SIZE)

Inches	From	To
7 7/8	0	420

CASING SCHEDULE

Size O.D. (Inches)	Weight (Pounds/Ft.)	Wall Thickness (Inches)	From	To
2"		Galvanized	+2	231

Perforations:
Type perforation: Slotted
Size perforation: 1/8 x 2"
From 231 feet to 420 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal: 52'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Other
Gravel Packed: ☒ Yes ☐ No
From 52 feet to 420 feet

8. WATER LEVEL

Static water level
Artesian flow G.P.M.
Water temperature cold °F Quality good

Revised [illegible]
Issued for [illegible]
Deviation of [illegible]

Signed
Date 11-1-95

USE ADDITIONAL SHEETS IF NECESSARY

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

Permit No.
Basin

NOTICE OF INTENT NO. 24092

1. OWNER Washoe County Utility Division
MAILING ADDRESS P.O. Box 11130
Reno, NV 89520

ADDRESS AT WELL LOCATION
Spanish Springs
SSP 10

2. LOCATION NE ¼ SE ¼ Sec. 11 T. 21 N R. 20 E B.&M. Washoe County
PERMIT NO. (Issued by Water Resources) Parcel No. Subdivision Name

3. WORK PERFORMED: ☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE: ☐ Cable ☒ Rotary ☐ RVC ☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Bearing	From	To	Total Depth
Coarse sand		0	20	20
Silt, sand & gravel		20	30	10
Granitic volcanic sand		30	50	20
Brown silty clay		50	62	12
Granitic sand		62	82	20
Brown silty clay		82	91	9
Tan rhyolite/tuff		91	150	59
Tan green clay/sand		150	190	40
Quartz sand		190	200	10
Tan green clay/sand		200	220	20
Quartz/clay		220	238	18
Green clay		238	260	22

7. WELL CONSTRUCTION
Depth Drilled 260 feet

HOLE DIAMETER (BIT SIZE)
7 7/8 inches From 0 feet To 260 feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Material	Joints	Depth
2		galvanized	+2	105

Perforations:
Type perforation Slotted
Size perforation 1/8 X 2 1/2
From 105 feet to 252 feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 58'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 58 feet

9. WATER TYPE
Static water level 45 feet
Artesian flow gpm
Water temperature cold °F Quality good

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and that the information contained herein is true to the best of my knowledge.
Name Hydro Resources, Inc.
Address P.O. Box 590
Wingfield Springs, NV
Nevada contractor's license no. issued by the State Contractors Board
Nevada Water Well Drilling Contractor's License No. Issued by the State Engineer, Division of Water Resources
Signed
By order of the undersigned
Date 12-7-93

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Drawdown (Feet Below Static)	Time (Hours)
did not develop		off rig 2 hrs.

USE ADDITIONAL SHEETS IF NECESSARY

Laboratory Analysis Report

Sierra Environmental Monitoring, Inc.

FEB 1996 RECEIVED WASHOE COUNTY UTILITY DIVISION

WASHOE COUNTY UTILITY DIV.
ED EVANS
P.O. BOX 11130
RENO NV 89520

Date : 2/26/96
Client : WAS-314
Taken by: CLIENT-E. EVANS
Report : 15610
PO# : 154415

Page: 1

Sample	Collected Date	Collected Time	TOTAL DISSOL. SOLIDS MG/L	NITRATE-N MG/L	ARSENIC AA HYDRIDE MG/L	CHLORIDE MG/L	DEPTH TO WATER (FEET)	
SSP5	2/15/96	10:30	334	6.8N	0.13	27	113.5	
SSP6	2/15/96	11:25	325	3.2N	0.017	42	57.2	
SSP8	2/15/96	12:05	408	28N	0.051	60	63.1	
SSP10	2/15/96	12:50	312	5.6N	0.032	36	98.9	

Approved By: [signature]

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount pa[illegible] this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client [illegible]umes all liability for the further distribution of the report or its contents.

William F. Pillsbury
President

1135 Financial Blvd.
Reno, NV 89502
Phone (702) 857-2400
FAX (702) 857-2404

John C. Seher
Manager

Laboratory
Analysis Report

Sierra
Environmental
Monitoring, Inc.

WASHOE COUNTY UTILITY DIV.
ED EVANS
P.O. BOX 11130
RENO NV 89520

Date : 1/17/96
Client : WAS-314
Taken by: CLIENT-E. EVANS
Report : 15327
PO# : 017333/017334

Sample	Collected Date	Collected Time	THALLIUM AA FURNACE MG/L	BERYLLIUM AA FURNACE MG/L	ANTIMONY AA FURNACE MG/L			
SSP5	1/04/96	10:05	<0.0005	<0.0002	<0.002			
SSP6	1/04/96	11:10	<0.0005	<0.0002	<0.002			
SSP8	1/04/96	14:30	<0.0005	<0.0002	<0.002			
SSP10	1/04/96	13:30	<0.0005	<0.0002	<0.002			

Approved By: _____

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount pai this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client ...ues all liability for the further distribution of the report or its contents.

William F. Pillsbury
President

1135 Financial Blvd.
Reno, NV 89502
Phone (702) 857-2400
FAX (702) 857-2404

John C. Saher
Manager

96 MAY 30 PM 1:20

Reno, Nevada 89503
(702) 688-1335

ROCKY RIDGE WELL

127059

WATER CHEMISTRY ANALYSIS:

Attn: Fees may apply to some types of samples.

All of the information below must be filled in or the analysis will not be performed.

State NEVADA County WASHOE
Township 21N Range 20E Section 15
General Location SPANISH SPRINGS VALLEY
Source Address SNA-NEVA ROCKY RIDGE PLANT

TYPE OF ANALYSIS:

☒ Check here for ROUTINE DOMESTIC ANALYSIS.
Circle the constituents needed for PARTIAL ANALYSIS.

SAMPLING INSTRUCTIONS:

The sample submitted must be representative of the source. Spring and surface water samples should be as free of dirt and debris as possible. Wells should be pumped thoroughly before sampling, changing the water in the casing at least three times. Product water from filters should be sampled after running for about ten (10) minutes.

Sampled by ED EVANS Date 4/30/96
Owner SNA-NEVA Phone
Address ROCKY RIDGE PLANT
City RENO State NV

REASON FOR ANALYSIS:

- ☐ Loan
- ☐ Personal health reasons
- ☐ Purchase of the property
- ☐ Rental or sale of property
- ☐ Subdivision approval
- ☒ Other WATER QUALITY - GRAVEL PIT

USE OF WATER:

- ☐ Domestic drinking water
- ☐ Geothermal
- ☒ Industrial or mining
- ☐ Irrigation
- ☐ Other

Initials ROCKY RIDGE WELL

REPORT TO:

Name ED EVANS : WCUD
Address P.O. BOX 11130
City RENO
State NV Zip 89520

1103

SOURCE OF WATER:

Filter ☐ Yes ☒ No
Public ☐ Yes ☒ No
Spring
Well X Depth 460 ft.
Hot Cold X
IN USE ☒ Yes ☐ No

Type
Name
Surface
Casing diameter 12 in.
Casing depth 460 ft.

The results below are representative only of the sample submitted to this laboratory.

FOR LABORATORY USE ONLY: -0.2091 384 0.72 24.1 6.7 0.0 -199 127059

Constituent	ppm	Constituent	ppm	Constituent	ppm	Constituent	S.U.	Constituent	ppm
T.D.S. @ 103° C.	371	Chloride	14	Iron	0.01	Color	3	Cd	<0.001
Hardness	182	Nitrate -N	5.9	Manganese	0.00	Turbidity	0.1	Cr	<0.005
Calcium	58	Alkalinity	134	Copper	0.01	pH	7.64	Pb	<0.005
Magnesium	9	Bicarbonate	163	Zinc	0.00	EC	517	Hg	<0.0005
Sodium	33	Carbonate	0	Barium	0.02	SI@20C	-0.03	Se	0.002
Potassium	7	Fluoride	0.19	Boron	0.1			Ag	
Sulfate	94	Arsenic	0.008	Silica	52				

PRINT OTHER DESIRED CONSTITUENTS BELOW

RECEIVED
JUN 03 1996
Business Protection Services

Collected by
WSID
WA—Pri
2nd 3rd
Date Rec'd Init.

Remarks P.O. # 150430

*Exceeds Sodium Advisory Limit of 20 ppm

CHEMICAL QUALITY MEETS THE STATE OF NEVADA DRINKING WATER STANDARDS

KB 6-3-96

KR 5/30/96

ppm = parts per million, milligrams per liter
S.U. = Standard Units

Laboratory Analysis Report

Sierra Environmental Monitoring, Inc.

WASHOE COUNTY UTILITY DIV.
ED EVANS
P.O. BOX 11130
RENO NV 89520

Date : 5/02/96
Client : WAS-314
Taken by: CLIENT-E. EVANS
Report : 16161
PO# : 23535

ple	Collected Date	Time	NITRATE-N MG/L					
XY RIDGE WELL	4/30/96	9:15	5.3N					
OVAN DOMESTIC "GARDEN WELL"	4/30/96	9:45	3.5N					
OVAN IRRIGATION	4/30/96	10:25	2.8N					

ved By:

report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid his report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client es all liability for the further distribution of the report or its contents.

1135 Financial Blvd.
Reno, NV 89502
Phone (702) 857-2400
FAX (702) 857-2404

am F. Pillsbury
ident

John C. Seher
Manager

SAMPLE TYPE GROUND WATER

RIVER BASIN

STATION ID Rocky Ridge # 1

DISSOLVED OXYGEN _____ PPM 00299

WATER TEMP _____ °C 00010

SAMPLE TIME _____ MILITARY

FIELD pH _____ SU 00406

LABORATORY NO. 127983

COLLECTED BY R. SPECK

SAMPLE DATE 7/2/96

CONTROL POINT POND

FLOW

AIR TEMP _____ °C

WEATHER Hot/DRY

TYPE OF ANALYSIS:

Check analysis desired - ROUTINE POLLUTION ✓ COD ___ BOD ___ TRACE METALS w/SO_4 ✓

For partial analysis CIRCLE PARAMETERS DESIRED, or enter in spaces provided

FOR LABORATORY USE ONLY

THE RESULTS BELOW ARE ONLY REPRESENTATIVE OF THE SAMPLE SUBMITTED TO THIS LABORATORY

127983 0.74 4.9 0.77 127983

TDS @ 103°C. 00515	355	PPM	KJELDAHL-N 00625	0.42	PPM	CADMIUM* 01027	< 0.001	PPM
TSS @ 103°C. 00530	25	PPM	NITRATE-NO_3 71851	24.08	PPM	CHROMIUM* 01034	< 0.005	PPM
E.C. 00095	478	SU	NITRITE-N 00613	0.10	PPM	COPPER* 01042	0.02	PPM
TURBIDITY 82079	14.0	NTU	AMMONIA-N 00608	< 0.10	PPM	IRON* 01045	0.50	PPM
COLOR 00080	10	SU	ORTHO-P 00671	0.01	PPM	LEAD* 01051	< 0.005	PPM
pH-LAB 00403	8.53	SU	TOTAL-P 00665	0.06	PPM	MERCURY 71900	< 0.0005	PPM
ALKALINITY 39036 as $CaCO_3$	98	PPM	CHLORIDE 00941	18	PPM	SELENIUM 01147	0.002	PPM
HCO_3 as HCO_3 00440	85	PPM	COD 00335		PPM	ZINC* 01092	0.00	PPM
CO_3 as CO_3 00445	17	PPM	BOD 00310	1.56	PPM	ARSENIC* 01002	0.026	PPM
TOTAL-N 00600	5.96	PPM	NO_3-N 00618	5.44	PPM	BORON* 01022	0.2	PPM
HCO_3 as $CaCO_3$ 00425	70	PPM	SULFATE 00946 KR 106		PPM	HARDNESS* 46570	310	PPM $CaCO_3$
CO_3 as $CaCO_3$ 00430	28	PPM	DO +	TEMP +	TIME +	BR	Ca* 78 PPM 78	Mg* 28 PPM 28
							Na* 78 PPM 78	SAR 9 SU 1.9 Eng

+ Field data *Total Recoverable Metals Dig.

REMARKS: 3 BOTTLES

1 - 1/2 GALLON w/ H_2SO_4

1 - 1/2 GALLON NO ACID

1 - QUART w/ HNO_3

Eng 8/1/96

8/10/96

PPM = MILLIGRAMS PER LITER

SU = STANDARD UNITS

(WP010792.FOR)

96 JUL -2 PM 3:14

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 26025
Permit No.
Basin 6-85 Spanish Springs V.

WELL DRILLERS REPORT

PRINT OR TYPE ONLY

Please complete this form in its entirety

NOTICE OF INTENT NO. 1545

1. OWNER Spanish Springs LLC
MAILING ADDRESS 57 S. Pattison Sparks Nev. 89431
ADDRESS AT WELL LOCATION North end of Spanish Springs Blvd 1/8 mile E. of Wadsworth
2. LOCATION NE ¼ ¼ Sec. 13 T. 21 N/S R. 20 E. Washoe County
PERMIT NO. 47789 (Issued by Water Resources) 84-170-C4 (Parcel No.) Spanish Springs Estates (Subdivision Name)

3. TYPE OF WORK: New Well ☑ Recondition ☐ Deepen ☐ Other ☐

4. PROPOSED USE: Domestic ☐ Irrigation ☑ Test ☐ Municipal ☑ Industrial ☐ Stock ☐

5. TYPE WELL: Cable ☐ Rotary ☑ Other ☐

6. LITHOLOGIC LOG Page 1

Material	Water Strata	From	To	Thickness
clay - Dark Brown		0	1	
clay + sand - 50% - 50		1	40	
DG + clay - 70-30		40	87	
clay - Light Brown		87	90	
clay - gray w/Fin sand		90	96	
DG + clay - 60-4		96	154	
clay - Light Brown		154	160	
DG w/clay 70-30		160	170	
clay		170	184	
DG & clay 80-20		184	188	
clay		188	195	
DG + clay 90-10		195	210	
clay + sand 20-80		210	215	
clay + DG 50-50		215	221	
DG + clay 70-30		221	228	
clay		228	231	
DG		231	235	
clay + DG 60-40		235	248	
DG + clay 90-10		248	281	
DG + clay 95%		281	288	
clay + DG 80-20		288	289	
DG + clay 50-50		289	298	
DG + clay 98%		298	308	
clay		308	309	
DG		309	317	
clay		317	324	
clay + DG 70-30		324	340	

Date started 3-26, 1985
Date completed 4-8, 19..

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

BAILER TEST
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours

8. WELL CONSTRUCTION
Diameter hole 17½ inches Total depth 455 feet
Casing record
Weight per foot ..... Thickness ¼ & 20#

Diameter	From	To
12¾ inches	0 feet	129.6 feet
10¾ inches	129.6 feet	455 feet

Surface seal: Yes ☑ No ☐ Type cemented grout
Depth of seal 57 feet
Gravel packed: Yes ☑ No ☐
Gravel packed from 57 feet to 455 feet

Perforations:
Type perforation Louvered Low Carb
Size perforation Louvered 1/8 x 2 Low Carb 5/16
From Blank casing feet to ..... feet
From 430 feet to 455 feet
From 140 screen feet to 420 feet
From 12¾ small slot feet to ..... feet
From 140 feet to 180 feet

9. WATER LEVEL
Static water level approx. 58 feet below land surface
Flow ..... G.P.M. Small ~~P.S.I.~~
Water temperature ..... ° F. Quality no known

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Paul E. Williams & Sons (Contractor)
Address 22 S. Pattison Sparks Nev. (Contractor)
Nevada contractor's license number 14783
Nevada contractor's drillers number 357
Nevada driller's license number 357 (Actual Driller)
Signed Paul E. Williams (Contractor)
Date 4-[illegible]-85

(Rev. 6-81) USE ADDITIONAL SHEETS IF NECESSARY D-627 OR-634

Arsenic Content

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Page 2

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No.
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WELL DRILLERS REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 1545

1. OWNER Grand Springs (Co.)
MAILING ADDRESS 57 Sutherland Pl
Santa Cruz
ADDRESS AT WELL LOCATION 4 miles East of Grand Springs Valley Sub Div
2. LOCATION NE ¼ ¼ Sec. 15 T. 21 N/S R. 20 E. Nye County
PERMIT NO. 11-7-77 (Issued by Water Resources) 8-70-07 (Parcel No.) Grand Springs (Subdivision Name)

3. TYPE OF WORK
New Well ☐ Reconditioning ☐
Deepen ☐ Other ☐

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☐
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☐
Other ☐

6. LITHOLOGIC LOG Page 2

Material	Water Strata	From	To	Thickness
DG + clay 75-25		340	353	
DG + clay 90-10		353	366	
clay		366	368	
DG + clay 90-10		368	390	
clay + DG 50-50		390	405	
DG + clay 60-40		405	412	
clay + DG 60-40		412	414	
DG + clay 98-2		414	441	
DG + clay 98-2		441	445	
DG + clay 95-5		445	448	
DG + clay 95-5		448	449	
DG + clay 95-5		449	455	
DG + clay 99-1		455	475	
clay		475	478	
DG		478	490	
clay		490	494	
Fine grained DG + clay		494	517	
clay		517	518	
DG + clay 80-20		518	531	
clay		531	534	
DG + clay 95%-5%		534	550	

Date started ..... 19.....
Date completed ..... 19.....

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

BAILER TEST
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours
G.P.M. ..... Draw down ..... feet ..... hours

8. WELL CONSTRUCTION
Diameter hole ..... inches Total depth ..... feet
Casing record
Weight per foot ..... Thickness .....

Diameter	From	To
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

Surface seal: Yes ☐ No ☐ Type .....
Depth of seal ..... feet
Gravel packed: Yes ☐ No ☐
Gravel packed from ..... feet to ..... feet

Perforations:
Type perforation .....
Size perforation .....
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level ..... feet below land surface
Flow ..... G.P.M. ..... P.S.I.
Water temperature ..... ° F. Quality .....

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name ..... Contractor
Address ..... Contractor
Nevada contractor's license number .....
Nevada contractor's drillers number .....
Nevada driller's license number ..... Actual Driller
Signed ..... Contractor
Date .....

USE ADDITIONAL SHEETS IF NECESSARY

(Rev. 6-81) O-627 G8434

State of Nevada
Dept. of Conservation & Natural Resources
Division of Water Resources
Hugh Ricci, P.E. State Engineer

Well Driller's Log Database: Report Details

GENERAL INFORMATION

Well Log No:	Sequence No:	Permit No:	Basin:
26025	375	47792	085
Click Here To View an Image of The Original Well Log			
Owner: SPANISH SPRINGS ASSN	Mailing/Well Address:	Owner No.:	Notice of Intent No.: 1545
Date Received by NDWR:	Date Accessed:	Entered By/Date:	Updated By/Date:

LOCATION INFORMATION

Quarters: A	Section: 15	Township: N21	Range: E20	Ref: MD
Latitude: 39.6908340454	Longitude: 119.718887329	Lat/Long Accuracy: M	Parcel No.: 89-170-04	Lot No.:
State/Co. Code: 32031	Type of Work: N	Source Agency: NV003	Subdivision Name: SPANISH SPRINGS	Block No.:

WELL CONSTRUCTION

Hole Depth: 550 feet	Surface Casing Dia.: 12.8 inches	Cased to: 455 feet	Casing Reductions: 1	Depth to Bedrock: feet
Perforations: 142 to 455 feet	Perforation Length: 313 feet	Perforation Intervals: 3	Depth of Seal: 57 feet	Construction Data Quality:
Gravel Packed:		Static Water Level:	Pumping Water	Draw Down:

YFrom: 0 to 0 feet		38.00 ft below LSD	**Level:** feet	feet
Yield: G.P.M.	**After Hours Pump:**	**Aquifer Desc.**	**Specific Capacity:** 0.00	**Lithographic Data Quality:**
Method:	**Date Started:**	**Date Completed:** 04/08/1985	**Water Temp:** deg F	**Edit Status:** F
Work Type Remarks:				
General Remarks: LOC=N. END OF VALLEY AT D. G. PIT				
Additional Remarks: SPANISH SPRINGS				

DRILLING CONTRACTOR INFORMATION

Name: PAUL WILLIAMS & SONS	**Address:**	**Contractor's Lic. No.:** 14483	**Contractor's Drilling No.:** 957	**Driller's Lic. No.:** 957

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 42469
Permit No.
Basin 6-85

NOTICE OF INTENT NO. 41760

1. OWNER Charles Smith
MAILING ADDRESS 37 S Tropicana Circle
Sparks, NV 89436

ADDRESS AT WELL LOCATION
Spanish springs Valley Ranches #2

2. LOCATION NE ¼ SW ¼ Sec. 14 T. 21 N/S R. 20 E/W Washoe County
PERMIT NO. 076-690-34 (Issued by Water Resources) Parcel No. Spanish Springs (Subdivision Name)

3. WORK PERFORMED
[XX] New Well [ ] Replace [ ] Recondition
[ ] Deepen [ ] Abandon [ ] Other

4. PROPOSED USE
[XX] Domestic [ ] Irrigation [ ] Test
[ ] Municipal/Industrial [ ] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [XX] Rotary [ ] RVC
[ ] Air [ ] Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Clay & Boulders		0	5	
Volcanic rock		5	8	
Brown clay & Sandstone		8	162	
Gray clay		162	191	
Brown DG		191	333	
Dark brown clay		333	436	
Gray sandstone		436	475	
Brown siltstone		475	517	
Red volcanic rock		517	545	
Brown siltstone	XX	545	725	

Date started 6-1-93, 19
Date completed 6-10-93, 19

7. WELL TEST DATA
TEST METHOD: [ ] Bailer [ ] Pump [XX] Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Approx.	18	700	2

8. WELL CONSTRUCTION
Depth Drilled 725 Feet Depth Cased 725 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
9 7/8 Inches	0 Feet	725 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8	14	.188	0	725

Perforations:
Type perforation Mechanical perforator
Size perforation 1/8 X 1
From 640 feet to 720 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: [XX] Yes [ ] No
Depth of Seal 50+
Placement Method: [ ] Pumped [XX] Poured
Seal Type: [ ] Neat Cement [ ] Cement Grout [XX] Concrete Grout

Gravel Packed: [XX] Yes [ ] No
From 50 feet to 725 feet

9. WATER LEVEL
Static water level 560 feet below land surface
Artesian flow None G.P.M. None P.S.I.
Water temperature Cool °F Quality Good

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name EMDLCO (Contractor)
Address P.O. Box 8056 (Contractor)
Reno, Nevada 89507
Nevada contractor's license number issued by the State Contractor's Board 32166
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1418
Signed Bruce Milley (By driller performing actual drilling on site or contractor)
Date 6-26-93

(Rev. 3-91)

USE ADDITIONAL SHEETS IF NECESSARY

(D)-627

State of Nevada
Dept. of Conservation & Natural Resources
Division of Water Resources
Hugh Ricci, P.E. State Engineer

Well Driller's Log Database: Report Details

GENERAL INFORMATION			
Well Log No: 42469	**Sequence No:** 18206	**Permit No:**	**Basin:** 085
Click Here To View an Image of The Original Well Log			
Owner: SMITH, CHARLES	**Mailing/Well Address:** SPANISH SPRINGS VLY RANCHES #2	**Owner No.:**	**Notice of Intent No.:** 21700
Date Received by NDWR: 07/14/1993	**Date Accessed:** D	**Entered By/Date:** CGALEJAN	**Updated By/Date:**

LOCATION INFORMATION				
Quarters: CA	**Section:** 14	**Township:** N21	**Range:** E20	**Ref:** MD
Latitude: 39.6855583191	**Longitude:** 119.706939697	**Lat/Long Accuracy:** T	**Parcel No.:** 76-690-34	**Lot No.:**
State/Co. Code: 32031	**Type of Work:** N	**Source Agency:** NV003	**Subdivision Name:** SPANISH SPRINGS	**Block No.:**

WELL CONSTRUCTION

Hole Depth: 725 feet	**Surface Casing Dia.:** 6.6 inches	**Cased to:** 725 feet	**Casing Reductions:** 0	**Depth to Bedrock:** feet
Perforations: 640 to 720 feet	**Perforation Length:** 80 feet	**Perforation Intervals:** 1	**Depth of Seal:** 50 feet	**Construction Data Quality:** F
Gravel Packed: YFrom: 0 to 0 feet		**Static Water Level:** 560.00 ft below LSD	**Pumping Water Level:** 1260 feet	**Draw Down:** 700 feet
Yield: 18 G.P.M.	**After Hours Pump:** 2	**Aquifer Desc.**	**Specific Capacity:** 0.03	**Lithographic Data Quality:** F
Method: A	**Date Started:**	**Date Completed:** 06/10/1993	**Water Temp:** deg F	**Edit Status:** F
Work Type Remarks:				
General Remarks:				
Additional Remarks:				

DRILLING CONTRACTOR INFORMATION

Name: EMDLCO	**Address:** PO BOX 8056 RENO NV	**Contractor's Lic. No.:** 32166	**Contractor's Drilling No.:**	**Driller's Lic. No.:** 1418

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PINK—WELL DRILLER'S COPY

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 37603
Permit No.
Basin 85

NOTICE OF INTENT NO. 20135

1. OWNER HANK MILLER
MAILING ADDRESS 480 Idaho
Reno, NV 89506

ADDRESS AT WELL LOCATION Same

2. LOCATION NW ¼ NE ¼ Sec. 15 T. 21N N/S R. 20 E. Washoe County
PERMIT NO. (Issued by Water Resources) 80-394-15 (Parcel No.) Lemmon Valley (Subdivision Name)

3. WORK PERFORMED
☐ New Well ☐ Replace ☐ Recondition
☒ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☒ Rotary ☐ RVC
☒ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
WELL DEEPENING				
Making 3 GPM before deepening				
Gray granite		137	152	15
Fracture	X	152	153	1
Gray granite		153	160	7
Fracture	X	160	161	1
GRay granite		161	192	31
Fracture, weathered greniate		192	193	1
GRay granite		193	202	9

'91 OCT 22 AM 11:19
STATE ENGINEER'S OFFICE

Date started 10-16-91, 19
Date completed 10-16-91, 19

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION
Depth Drilled 202 Feet Depth Cased 202 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 1/8 Inches	137 Feet	202 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5"		.188	0	202

Perforations:
Type perforation factory sawed slot
Size perforation 3/32 x 3 x 5 around
From 137 feet to 197 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☐ Yes ☒ No N/A
Depth of Seal
Placement Method: ☐ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 130 feet to 202 feet

9. WATER LEVEL
Static water level 130 feet below land surface
Artesian flow 18 G.P.M. P.S.I.
Water temperature cold °F Quality clear

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Wayne Drilling, Inc. (Contractor)
Address P.O. Box 12370, Reno, NV 89510 (Contractor)

Nevada contractor's license number issued by the State Contractor's Board 22549
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 923
Signed [signature] By driller performing actual drilling on site or contractor
Date October 18, 1991

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (0)-027

State of Nevada
Dept. of Conservation & Natural Resources
Division of Water Resources
Hugh Ricci, P.E. State Engineer

Well Driller's Log Database: Report Details

GENERAL INFORMATION			
Well Log No: 37603	**Sequence No:** 13340	**Permit No:**	**Basin:** 085
Click Here To View an Image of The Original Well Log			
Owner: MILLER, HANK	**Mailing/Well Address:** 480 IDAHO RENO NV	**Owner No.:**	**Notice of Intent No.:** 20135
Date Received by NDWR: 10/22/1991	**Date Accessed:** D	**Entered By/Date:** RJMATHIS	**Updated By/Date:**

LOCATION INFORMATION				
Quarters: AB	**Section:** 15	**Township:** N21	**Range:** E20	**Ref:** MD
Latitude: 39.692779541	**Longitude:** 119.721115112	**Lat/Long Accuracy:** T	**Parcel No.:** 80-394-15	**Lot No.:**
State/Co. Code: 32031	**Type of Work:** D	**Source Agency:** NV003	**Subdivision Name:** LEMMON VALLEY	**Block No.:**

WELL CONSTRUCTION

Hole Depth: 202 feet	**Surface Casing Dia.:** 5.0 Inches	**Cased to:** 202 feet	**Casing Reductions:** 0	**Depth to Bedrock:** feet
Perforations: 137 to 197 feet	**Perforation Length:** 60 feet	**Perforation Intervals:** 1	**Depth of Seal:** feet	**Construction Data Quality:** G
Gravel Packed: YFrom: 0 to 0 feet		**Static Water Level:** 130.00 ft below LSD	**Pumping Water Level:** feet	**Draw Down:** feet
Yield: G.P.M.	**After Hours Pump:**	**Aquifer Desc.**	**Specific Capacity:** 0.00	**Lithographic Data Quality:** G
Method:	**Date Started:**	**Date Completed:** 10/16/1991	**Water Temp:** deg F	**Edit Status:** F

Work Type Remarks:

General Remarks: WELL DEEPEND FROM 137 FT TO 202 FT

Additional Remarks:

DRILLING CONTRACTOR INFORMATION

Name:	Address:	Contractor's Lic. No.:	Contractor's Drilling No.:	Driller's Lic. No.:
WAYNE DRILLIING INC	PO BOX 12370 RENO NV	22549		923
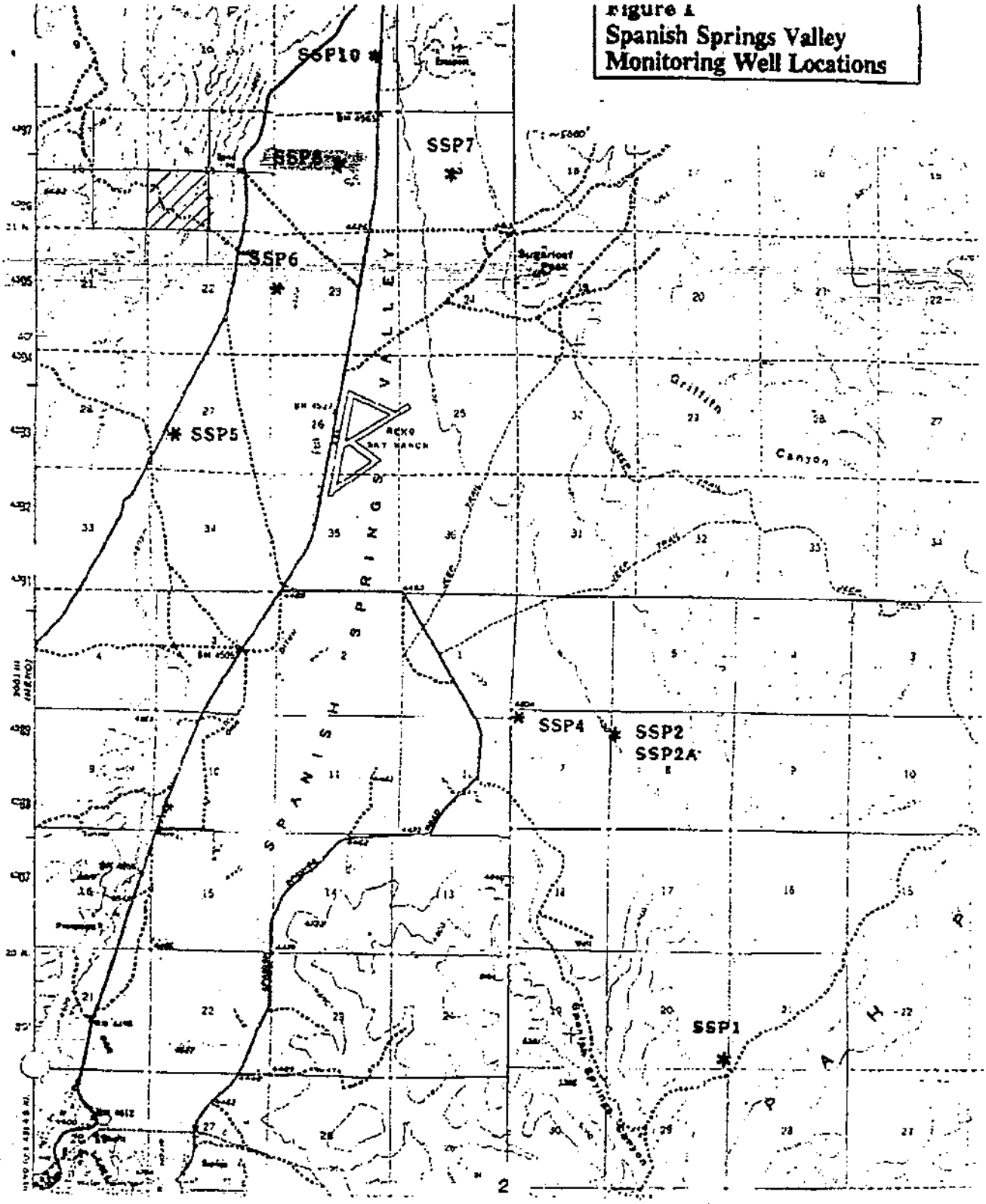
Figure 1
Spanish Springs Valley Monitoring Well Locations