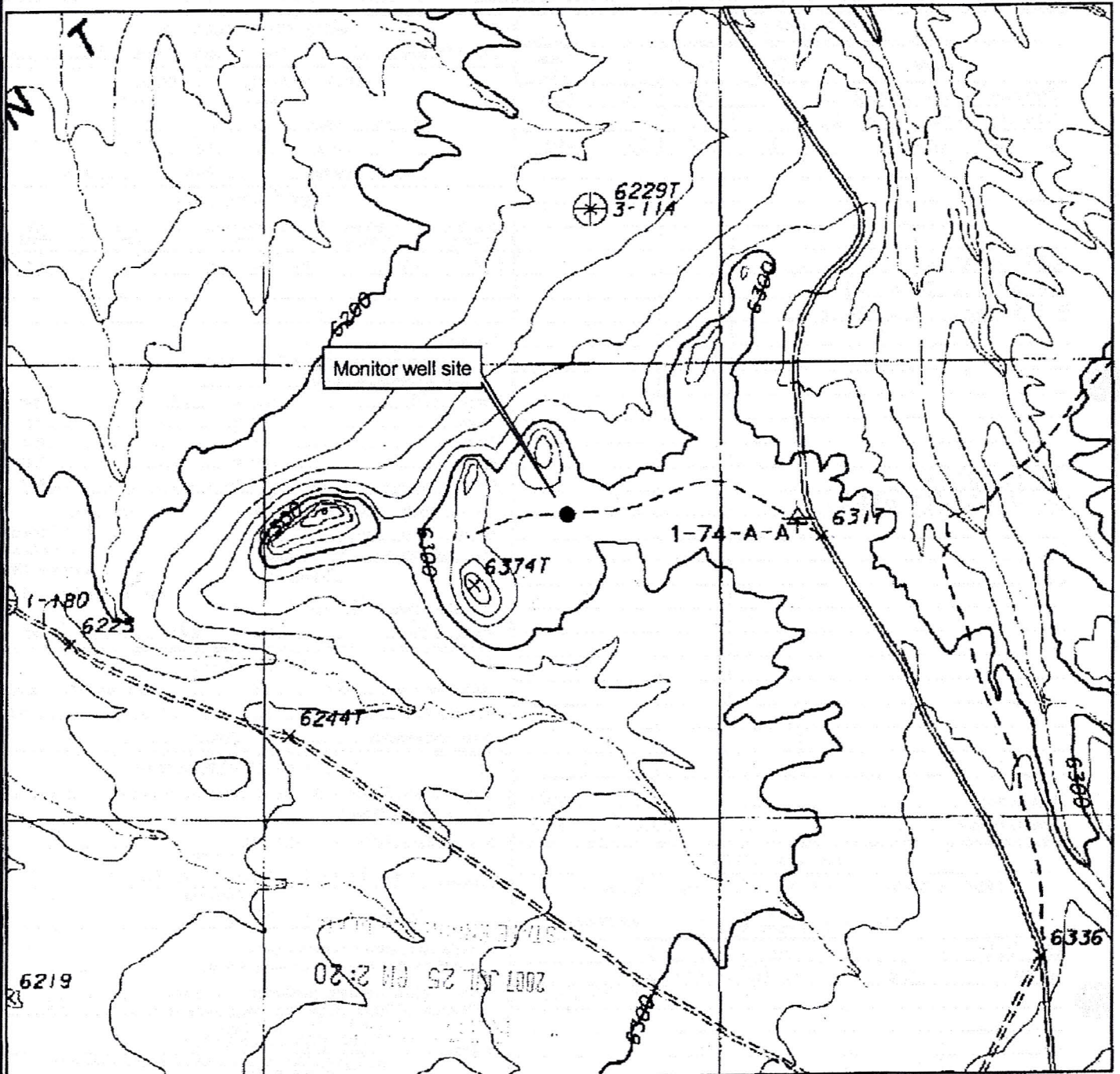


EXHIBIT B
USGS Monitor Well Location
 N-82778
 Antelope Valley Site KW 26



Data is published in the North American Datum, (NAD 83), UTM Zone 11, meters. Contour interval 40 feet. 1,000 meter grid interval.

Legend

N

0 500 1,000 2,000 3,000

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

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. 104185
Permit No. _____
Basin 153

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

NOTICE OF INTENT NO. 53933

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION 5.7 mi. W. of Eureka, NV
MAILING ADDRESS 2730 N. Deer Run Rd. 1 mi. S on Collingwood Rd, 0.9 mi. SW
Carson City, NV 89701

2. LOCATION SE 1/4 SW 1/4 Sec. 31 T. 20 N/S R. 53 E. Eureka County
PERMIT NO. M/O 1439 007-340-11
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED 4. PROPOSED USE 5. WELL TYPE
☒ New Well ☐ Replace ☐ Recondition ☐ Domestic ☐ Irrigation ☐ Test ☐ Cable ☒ Rotary ☐ RVC
☐ Deepen ☐ Abandon ☐ Other _____ ☐ Municipal/Industrial ☒ Monitor ☐ Stock ☒ Air ☐ Other _____

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Coarse gravel and sand		0	18	18
Devils Gate limestone	X	18	338	320

GPS - NAD 83
N 39 deg, 32m, 44.3s
W 116 deg, 02m, 43.7s

N 39.545718
W 116.044571 NAD83

8. WELL CONSTRUCTION

Depth Drilled 338 Feet Depth Cased 338 Feet

HOLE DIAMETER (BIT SIZE)

From To
12.25 Inches 0 Feet 21 Feet
6.25 Inches 21 Feet 338 Feet
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.0	PVC	Sched. 80	0	338

Perforations:

Type perforation Factory slotSize perforation 0.02

From 288 feet to 328 feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: ☒ Yes ☐ NoDepth of Seal 274

Placement Method: ☒ Pumped
☐ Poured

Seal Type:

☐ Neat Cement
☐ Cement Grout
☐ Concrete Grout

Pure Gold 30% solids

Gravel Packed: ☒ Yes ☐ No
From 274 feet to 338 feet grout feet

9. WATER LEVEL

Static water level 251 feet below land surface

Artesian flow _____ G.P.M. _____ P.S.I.

Water temperature _____ °F Quality _____

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the
best of my knowledge.

Name Douglas K. Maurer

Contractor

Address USGS 2730 N. Deer Run Rd.

Contractor

Carson City, NV 89701

Nevada contractor's license number

issued by the State Contractor's Board _____

Nevada driller's license number issued by the

Division of Water Resources, the on-site driller FP-1522

Signed _____

By driller performing actual drilling on site or contractor

Date 11/25/07

7. WELL TEST DATA

TEST METHOD: ☐ Bailor ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
0.5	na	3
	02:20	25

0 500 1,000 2,000 3,000

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY

108633

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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. 139

NOTICE OF INTENT NO. 10952

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION N/A
MAILING ADDRESS 2730 N. Deer Run Rd.
Carson City, NV 89701 N 39° 34' 22.3" W 116° 04' 24.6"
2. LOCATION NE 1/4 NE 1/4 Sec. 24 T. 20 S. R. 52 E. Eureka (NAD 1983) County
PERMIT NO. M/D-1939 007-320-05 N/A
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED 4. PROPOSED USE 5. WELL TYPE
☒ New Well ☐ Replace ☐ Recondition ☐ Domestic ☐ Irrigation ☐ Test ☐ Cable ☐ Rotary ☐ RVC
☐ Deepen ☐ Abandon ☐ Other _____ ☐ Municipal/Industrial ☒ Monitor ☐ Stock ☒ Air ☐ Other _____

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
Angular pebbles to gravel-sized limestone fragments and soil (for material)		0	15	15
Angular to rounded, med. to fine gravel and sand (stream channel alluvium)		15	20	5
Sand w/ a little fine gravel		20	25	5
Sand. Very fine gravel at end of interval		25	40	15
Sand w/ fine gravel. Coarse gravel at end of interval		40	55	15
Sand w/ a little fine gravel	57	55	60	5
Sand to med. gravel		60	65	5
Sand		65	67	2
Sand w/ a little fine gravel		67	72	5
Sand		72	74	2
Sand w/ some fine gravel		74	80	6
Sand w/ a little fine to med. gravel		80	93	13

8. WELL CONSTRUCTION
Depth Drilled 180.8 Feet Depth Cased 180.8 Feet
HOLE DIAMETER (BIT SIZE)
From To
8 1/2 Inches 0 Feet 140 Feet
5 7/8 Inches 140 Feet 180.8 Feet
Inches Feet Feet
CASING SCHEDULE
Size O.D. (Inches) Weight/Ft. (Pounds) Wall Thickness (Inches) From (Feet) To (Feet)
2 Shallow Sched 80 0 74.4-101.4
2 Deep Sched 80 0 140.8-180.8
Perforations:
Type perforation slotted
Size perforation 0.22"
From Shallow 74.4 feet to 96.4 feet
From Deep 140.8 feet to 175.8 feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet
Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal 40' ☐ Neat Cement
Placement Method: ☒ Pumped ☐ Cement Grout
Native fill ☒ Poured ☐ Concrete Grout
gravel Shallow well screen Bentonite grout
Gravel Packed: ☒ Yes ☐ No 30% solids
Shallow 148-181 feet Native fill

Date started October 20 2007
Date completed October 24 2007

7. WELL TEST DATA			
TEST METHOD: ☐ Bailor ☐ Pump ☒ Air Lift			
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
<u>Very approx. 85-110</u>	<u>92</u>	<u>1007</u>	
<u>70</u>			

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Alan M. Preissler Contractor
Address 2730 N. Deer Run Rd. Contractor
Carson City, NV 89701
Nevada contractor's license number issued by the State Contractor's Board N/A
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP-1892
Signed Alan M. Preissler
By driller performing actual drilling on site or contractor
Date Nov. 20, 2007

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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 139 pg 2

NOTICE OF INTENT NO. 10952

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION _____
MAILING ADDRESS 2730 N. DOCT RUN RD. _____
CARSON CITY, NV 89701 N39.572934 W 116.072605 NAD83

2. LOCATION 1/4 1/4 Sec. _____ T. _____ N/S R. _____ E. _____ County _____
PERMIT NO. M/D-1439 Issued by Water Resources Parcel No. _____ Subdivision Name _____

3. WORK PERFORMED 4. PROPOSED USE 5. WELL TYPE
☐ New Well ☐ Replace ☐ Recondition ☐ Domestic ☐ Irrigation ☐ Test ☐ Cable ☐ Rotary ☐ RVC
☐ Deepen ☐ Abandon ☐ Other _____ ☐ Municipal/Industrial ☐ Monitor ☐ Stock ☐ Air ☐ Other _____

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
Sand		93	100	7
Sand w/ a little fine to med. gravel		100	105	5
Sand w/ more fine to med. gravel		105	109	4
Siltstone w/ lesser amounts of limestone		109	120	11
Limestone		120	128	8
Black mudstone		129	129	<1
Limestone		129	137	8
Siltstone		137	137	<1
Limestone		137	140	3
Limestone w/ siltstone interbeds		140	147	7
Siltstone, primarily		147	150	3
Limestone w/ much lesser siltstone		150	156	6
Interbedded lime-stone and siltstones		156	160	4
Limestone		160	180	20
			180	

8. WELL CONSTRUCTION
Depth Drilled _____ Feet Depth Cased _____ Feet
HOLE DIAMETER (BIT SIZE)
From _____ To _____
Inches _____ Feet _____ Feet
Inches _____ Feet _____ Feet
Inches _____ Feet _____ Feet
CASING SCHEDULE
Size O.D. (Inches) Weight/Ft. (Pounds) Wall Thickness (Inches) 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
Surface Seal: ☐ Yes ☐ No Seal Type: ☐ Neat Cement
Depth of Seal _____ ☐ Cement Grout
Placement Method: ☐ Pumped ☐ Poured ☐ Concrete Grout
Gravel Packed: ☐ Yes ☐ No
From _____ feet to _____ feet

Date started October 20 1907
Date completed October 24 1907

7. WELL TEST DATA			
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift			
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
Very approx. 70	85:11:14	92	NOV 26 2007

9. WATER LEVEL
Static water level _____ feet below land surface
Artesian flow _____ G.P.M. _____ P.S.I.
Water temperature _____ °F Quality _____
10. DRILLER'S 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 issued by the State, Contractor's Board _____
Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____
Signed _____
By driller performing actual drilling on site or contractor
Date _____

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY
Diamond Valley North
(DYN)
PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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. 106999
Permit No. pg1
Basin 153

NOTICE OF INTENT NO. 56582

1. OWNER US Geological Survey-WRP ADDRESS AT WELL LOCATION US Bureau of
MAILING ADDRESS 2730 N. Deer Run Rd Land Met. Range Land
Carson City NV 89701 N 39° 55' 15" E 1/4 Sec. 31 T. 23 N. R. 53 E
2. LOCATION NW 1/4 NW 1/4 Sec. 31 T. 23 N. R. 53 E Eureka County
PERMIT NO. MO-1514 706001 N/A 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 Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Fine Sandy loam - Clay Size Sediment Present		0	3.5	3.5
Fine sandy Silt & Gravel		3.5	4	0.5
Hard Rock or gravelly Sand		4	6.5	2.5
Fine Sand and Silt Fast Drilling		6.5	9.5	3
moist Sandy loam with some clay		9.5	15.5	6
greenish black moist clay. Organics present		15.5	17.5	2
Jet Black Organic Layer. Strong Sulfur Smell		17.5	47.5	30
Wet Organic Mud But mainly a Fine sandy strata Strong Sulfur Smell		47.5	59.5	12

8. WELL CONSTRUCTION

Depth Drilled 59.5 Feet Depth Cased 59.5 Feet

HOLE DIAMETER (BIT SIZE)

From To
6.625 Inches 0 Feet 59.5 Feet
Inches Feet Feet
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2-inch	Flush Threaded	0	59.5	
	PVC-Sch 40			
	5 foot Blank Sump	54.8	59.8	

Perforations:

Type perforation Slot
Size perforation 0.020 inch
From 49.8 feet to 54.8 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal 0 To 28 Feet ☐ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☒ Poured 3/8" Bentonite Chips ☐ Concrete Grout
Gravel Packed: ☐ Yes ☒ No (Hydrated)
From Screen in native Sand feet

9. WATER LEVEL

Static water level 21.18 feet below land surface
Artesian flow No G.P.M. P.S.I.
Water temperature 51.8 °F Quality Strong Sulfur Smell

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Robert N. Pennington
Contractor
Address 2730 N. Deer Run Rd.
Carson City NV 89701
Contractor

Nevada contractor's license number
issued by the State Contractor's Board
Nevada driller's license number issued by the
Division of Water Resources, the on-site driller FP-1857

Signed R.N. Pennington
By driller performing actual drilling on site or contractor

Date 9-26-08

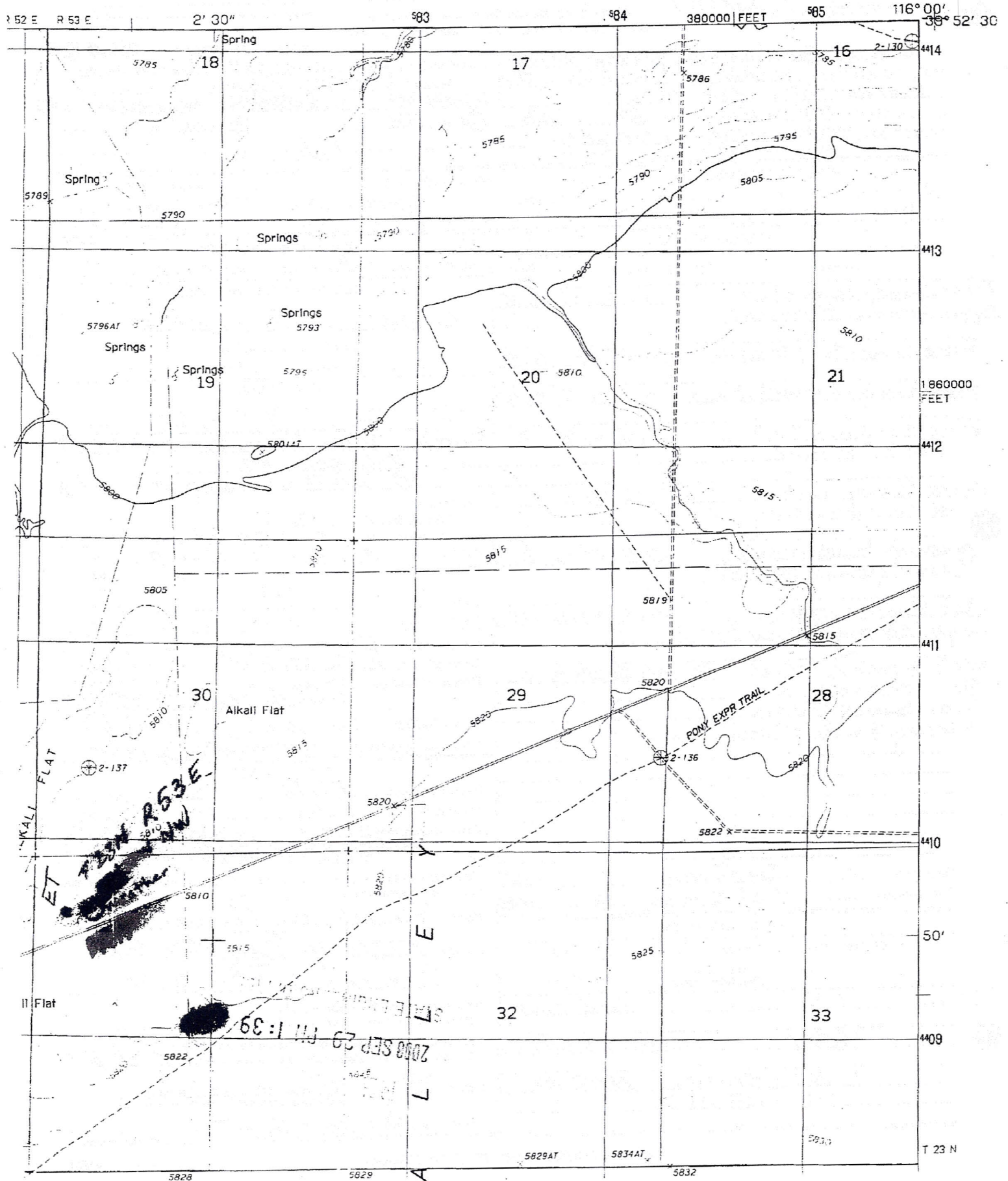
7. WELL TEST DATA

TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>1.13</u>		<u>0.8 hour</u>
<u>68.5</u>	<u>Location - As Drilled</u>	
<u>139</u>	<u>50 02.7</u>	<u>NAD 83</u>
<u>116</u>	<u>03 01.3</u>	

Valley North DW 9
9 153

LOG# 106999 pga
TULE DAM SPRING QUADRANGLE
NEVADA-EUREKA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

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. 108031
Permit No. pg1
Basin 153

PRINT OR TYPE ONLY
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NOTICE OF INTENT NO. 10953

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION N/A
MAILING ADDRESS 2730 N. Deer Run Rd.
Carson City, NV 89701 39° 42' 20" N, 116° 05' 50" (WAD 21)
2. LOCATION NE 1/4 NE 1/4 Sec 10 T. 21 S. R. 52 E. Eureka County
PERMIT NO. N/D-1452 007-180-01 Subdivision Name N/A
Issued by Water Resources Parcel No.

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	Thick-ness
Angular to sub angular multi-colored chert fragments and soil (tan material)		0	38	38
Unknown, probably same		38	58	20
Same as for 0-38' interval		58	183	125
Clay and chert sand (lacustrine sediments)		183	205	22
Same, but pronounced layers of gravel and/or cobbles		205	218	13
Clay w/ lesser but variable amounts of chert sand		218	233	15
Chert sand		233	242	9
Clay		242	245	3
Chert sand		245	247	2
Clay w/ much lesser chert sand		247	254	7
Clay w/ minor chert sand		254	260	6
Clay w/ lesser amounts of chert sand		260	281	21
Chert sand w/ minor clay		281	293	12

8. WELL CONSTRUCTION

Depth Drilled 499 Feet Depth Cased 499 Feet

HOLE DIAMETER (BIT SIZE)

From To
Inches Feet
8 Inches 0 Feet 334 Feet
7 7/8 Inches 334 Feet 499 Feet
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2	Shallow	Sched 80	0	350.25
2	Deep	Sched 80	0	478.7
				499.0

Perforations:

Type perforation Shallow
Size perforation 0.02"
From Shallow 350.25 feet to 370.25 feet
From Deep 478.7 feet to 498.7 feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: ☒ Yes ☐ No

Seal Type:

Depth of Seal 342'

Placement Method: ☒ Pumped
☐ Poured

☐ Neat Cement☐ Cement Grout☐ Concrete GroutGravel Packed: ☒ Yes ☐ No

From Shallow: 342-371 feet to Deep: 471-499 feet 371-471

9. WATER LEVEL

Static water level Shallow: 265.14 feet below land surfaceArtesian flow Deep: 270.02 G.P.M. N/A P.S.I.

Water temperature _____ °F Quality _____

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Alan M. Preissler
Contractor

Address 2730 N. Deer Run Rd.
Contractor

Carson City, NV 89701

Nevada contractor's license number
issued by the State Contractor's Board N/A

Nevada driller's license number issued by the
Division of Water Resources, the on-site driller EP-1892

Signed Alan M. Preissler
By driller performing actual drilling on site or contractor

Date Nov. 20, 2007

Date started October 28, 2007
Date completed October 30, 2007

7. WELL TEST DATA

TEST METHOD: ☐ Bailor ☐ Pump ☐ Air Lift

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

PRINT OR TYPE ONLY
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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. 153
Basin PG2

NOTICE OF INTENT NO. 10953

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION _____
MAILING ADDRESS _____

2. LOCATION N39.705556 W116.047222 NAD83 County _____

PERMIT NO. M/D-1452 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 Strata	From	To	Thick-ness
Clay w/ variable but lesser amounts of chert sand		293	304	11
Chert sand w/ minor clay		304	328	24
Clay w/ lesser amounts of chert sand	322-331	328	331	3
Chert sand		331	333	2
Chert gravel and/or cobbles		333	334	1
Chert sand w/ very minor clay		334	338	4
Clay w/ minor chert sand		338	347	9
Chert sand w/ little or no clay		347	362	15
Probable gravel layer		362	364	2
Chert sand w/ minor clay		364	374	10
Clay and chert sand in variable but approx. equal amts.		374	385	11
Chert sand w/ very minor clay		385	395	10
Chert sand w/ trace clay		395	410	15

8. WELL CONSTRUCTION

Depth Drilled _____ Feet Depth Cased _____ Feet

HOLE DIAMETER (BIT SIZE)

From _____ To _____

Inches _____ Feet _____

Inches _____ Feet _____

Inches _____ Feet _____

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	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

Surface Seal: ☐ Yes ☐ No Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Depth of Seal _____

Placement Method: ☐ Pumped ☐ Poured

Gravel Packed: ☐ Yes ☐ No

From _____ feet to _____ feet

Date started _____, 19____
Date completed _____, 19____

7. WELL TEST DATA			
TEST METHOD:	☐ Bailer	☐ Pump	☐ Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
05:11:58	92	1007	

9. WATER LEVEL

Static water level _____ feet below land surface

Artesian flow _____ G.P.M. _____ P.S.I.

Water temperature _____ °F Quality _____

10. DRILLER'S 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 issued by the State Contractor's Board _____

Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____

Signed _____ By driller performing actual drilling on site or contractor

Date _____

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

Log No. 108031
Permit No. 153
Basin pg3

NOTICE OF INTENT NO. 10953

1. OWNER U.S. Geological Survey ADDRESS AT WELL LOCATION _____
MAILING ADDRESS _____

2. LOCATION 1/4 1/4 Sec. _____ T. _____ N/S R. _____ E. _____ County _____
PERMIT NO. 150-1452 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 Strata	From	To	Thick-ness
Chert gravel and/or cobbles		410	411	1
Chert sand w/ trace clay		411	424	13
Chert sand w/ minor to sign. amounts of clay		424	428	4
Chert sand w/ very minor clay		428	434	6
Clay w/ minor chert sand		434	443	9
Interbedded chert sand, clay and chert sand w/ minor clay		443	458	15
Chert sand w/ minor clay		458	463	5
Clay w/ minor chert sand		463	473	10
Chert sand		473	474	3
Clay		474	477	1
Chert sand w/ minor clay		477	485	8
Clay w/ much lesser chert sand		485	486	1
Chert w/ trace clay (bedrock?)	✓	486	499	13

8. WELL CONSTRUCTION				
Depth Drilled	_____ Feet	Depth Cased	_____ Feet	
HOLE DIAMETER (BIT SIZE)				
From	_____ Inches	To	_____ Feet	_____ Feet
_____ Inches	_____ Feet	_____ Feet	_____ Feet	_____ Feet
_____ Inches	_____ Feet	_____ Feet	_____ Feet	_____ Feet
CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
Perforations:				
Type perforation	_____	_____	_____	_____
Size perforation	_____	_____	_____	_____
From	_____ feet to	_____ feet	_____ feet	_____ feet
From	_____ feet to	_____ feet	_____ feet	_____ feet
From	_____ feet to	_____ feet	_____ feet	_____ feet
From	_____ feet to	_____ feet	_____ feet	_____ feet
From	_____ feet to	_____ feet	_____ feet	_____ feet
Surface Seal:	☐ Yes ☐ No	Seal Type:	☐ Neat Cement	☐ Cement Grout
Depth of Seal	_____		☐ Concrete Grout	
Placement Method:	☐ Pumped ☐ Poured			
Gravel Packed:	☐ Yes ☐ No			
From	_____ feet to	_____ feet		

Date started _____, 19____
Date completed _____, 19____

7. WELL TEST DATA				
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift				
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)		

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

10. DRILLER'S 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 _____
issued by the State Contractor's Board.
Nevada driller's license number issued by the Division of Water Resources, the on-site driller.
Signed _____
By driller performing actual drilling on site or contractor
Date _____

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA

OFFICE USE ONLY

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

Kobeh Valley East
PRINT OR TYPE ONLY
DO NOT WRITE ON BACK (KVE)

NOTICE OF INTENT NO. **56582**

1. OWNER **U.S. Geological Survey-WRD** ADDRESS AT WELL LOCATION **U.S. Bureau of**
MAILING ADDRESS **2730 N. Deer Run Rd** **Land Mgt. Range Land**
Carson City, NV. 89701 **N39.617746 W116.20406 NAD27**
2. LOCATION **SE 1/4 SE 1/4 Sec. 10 T. 20 S. R. 51 E.** **Eureka** County
PERMIT NO. **MO-1514** **73100.1** **N/A** Subdivision Name
Issued by Water Resources Parcel No.

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 **Auger**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Brown fine Sandy loam		0	6.5	6.5
Coarse Sandy Clay (1/8")		6.5	8	1.5
Greenish Tan Sandy Clay with silt (moist)		8	18	10
1/8" Sandy Silt - Wet	*	18	21	3
Wet Silty fine sand		21	23.5	2.5
Silty Clay - moist		23.5	26	2.5
Fine Silty Clay - Wet	*	26	29	3
Fine Silty Clay - Higher		29	32	3
Water Content, Water Seep at 30.85 Feet				
Fine Silty Clay - Wet	*	32	35.75	3.75
Fine Silty Sandy Clay - Wet		35.75	37	1.25
Fine Silty Clay - Wet	*	37	42.5	5.5
Silty fine Sandy Clay	*	42.5	42.75	0.25
#16 to #20 mesh Sand				
Thick water return				
Silty fine Sandy Clay	*	42.75	43.5	0.75
Sandy Clay balls present in Thick Water Return				

8. WELL CONSTRUCTION

Depth Drilled **43.5** Feet Depth Cased **43.5** Feet

HOLE DIAMETER (BIT SIZE)

From To
6.625 Inches **0** Feet **43.5** Feet
Inches Feet Feet
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2-inch	Flush	Threaded	0	43.5
Schedule 40				

Perforations:

Type perforation **Slot**
Size perforation **0.020 inch**
From **28.5** feet to **43.5** feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal **0 to 20 feet** ☐ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☒ Poured **3/8" Bentonite Chips** ☐ Concrete Grout
(Hydrated)
Gravel Packed: ☒ Yes ☐ No
From **20** feet to **43.5** feet

9. WATER LEVEL

Static water level **3.29** feet below land surface
Artesian flow **NO** G.P.M. P.S.I.
Water temperature **50.9** °F Quality **No odor**

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name **Robert N. Pennington** Contractor

Address **2730 N. Deer Run Rd** Contractor

Carson City, NV 89701

Nevada contractor's license number issued by the State Contractor's Board

Nevada driller's license number issued by the Division of Water Resources, the on-site driller **FP-1857**

Signed **R. N. Pennington** By driller performing actual drilling on site or contractor

Date **9-25-08**

7. WELL TEST DATA

TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

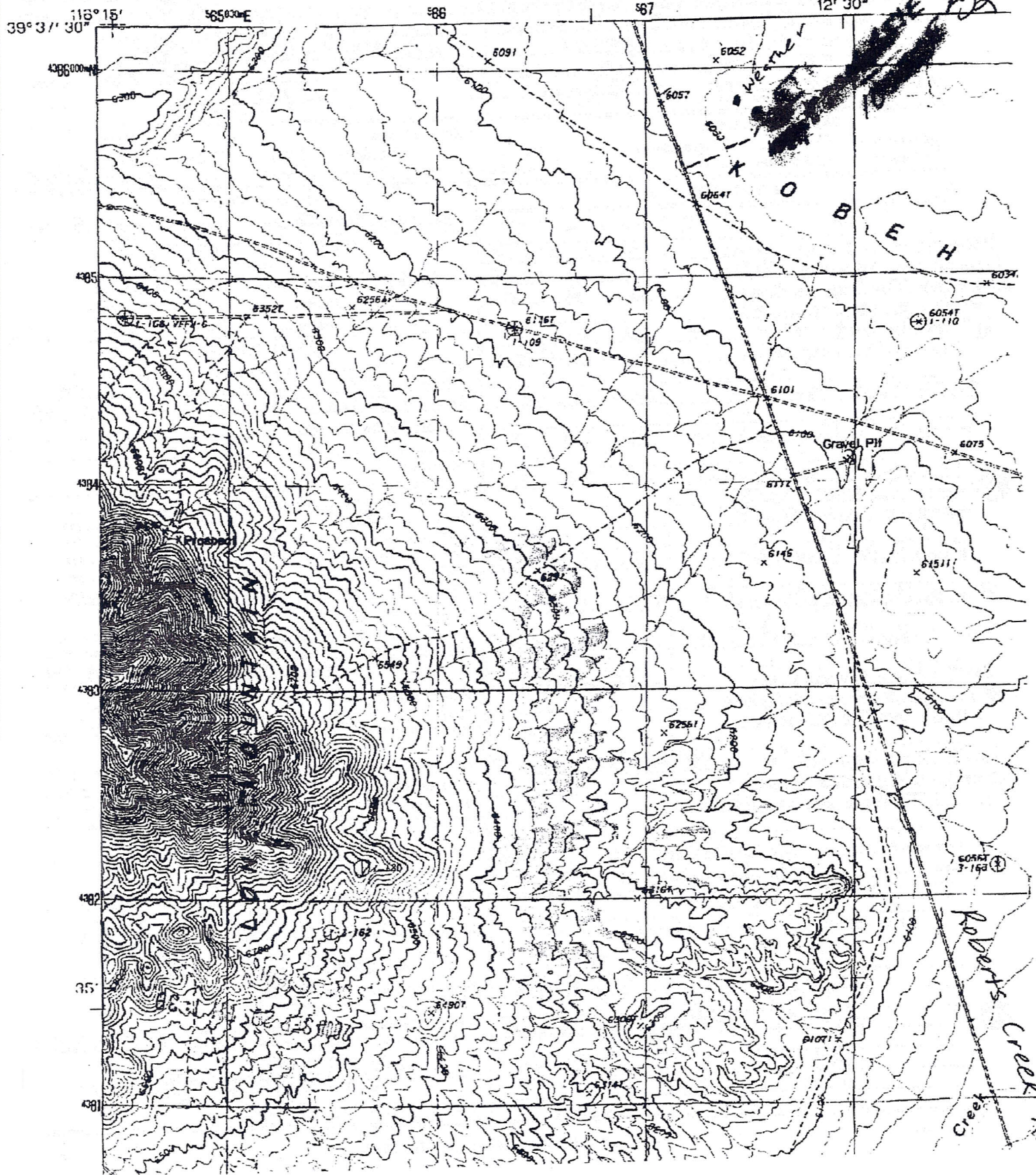
G.P.M.	Draw Down (Feet-Below Static)	Time (Hours)
81.46	3.07	0.6 hours
62.45	4.78	
GPS Location - As Drilled		
39	37	11.0
116	12	47.9
		Elev
		6037

KW 14

HAY Ranch Quadrangle
Nevada - Eureka County
1:24,000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Log# 107000



WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY

Kobeh V. West
PRINT OR TYPE ONLY
DO NOT WRITE ON BACK (KVV)

WELL DRILLER'S REPORT

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

Log No. 107001
Permit No. 139
Basin 139

NOTICE OF INTENT NO. 56582

1. OWNER U.S. Geological Survey - WRD ADDRESS AT WELL LOCATION U.S. Bureau of
MAILING ADDRESS 2730 N. Deer Run Rd. Land Mgt. Range Land
Carson City, NV 89701 N 39.59324 W 116.423428
2. LOCATION SW 1/4 NE 1/4 Sec. 23 T 20 N 39 R 49 E Eureka County
PERMIT NO. MO-1514 APN 728002 N/A Subdivision Name
Issued by Water Resources Parcel No.

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 Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Tan, fine Sandy Loam		0	4	4
Silty Clay and 3/4 inch gravel		4	4.5	0.5
#12 Sand & gravel - moist		4.5	7	2.5
gravelly Sand - Wet	*	7	9.5	2.5
Very Coarse gravelly Sand	*	9.5	12	2.5
Firm Clay Layer - Very Tight		12	13.5	1.5
gravelly Sand - Wet	*	13.5	17.5	4
gravelly Coarse Sand & Silty		17.5	20	2.5
Clay		20	23	3
Medium Sand in Mud		23	29.5	6.5
Showing at 29.5 Feet				
Medium To Coarse Sand	*	29.5	31.5	2
Wet				
Fine #16 Sand		31.5	34.5	3
and Silty - Wet				

8. WELL CONSTRUCTION

Depth Drilled 34.5 Feet Depth Cased 34.5 Feet

HOLE DIAMETER (BIT SIZE)

From To
6.625 Inches 0 Feet 34.5 Feet
Inches Feet Feet
Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2-inch	Flush Threaded		0	34.5
	Sch. 40			

Perforations:

Type perforation Slot
Size perforation 0.020 inch
From 24.5 feet to 34.5 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal 0 To 15.5 feet ☐ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☒ Poured 3/8" Bentonite Chips - Hydrated ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 15.5 feet to 34.5 feet

9. WATER LEVEL

Static water level 5.80 feet below land surface
Artesian flow No G.P.M. P.S.I.
Water temperature 52.7 °F Quality No odor

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Robert N. Pennington Contractor
Address 2730 N. Deer Run Rd. Contractor
Carson City, NV 89701

Nevada contractor's license number issued by the State Contractor's Board

Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP-1857

Signed R.N. Pennington
By driller performing actual drilling on site or contractor

Date 9-24-08

Date started September 15, 2008
Date completed September 16, 2008

7. WELL TEST DATA

TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>0.142</u>	<u>one (1)</u>	
<u>No odor To Water</u>		
<u>GPS Location - As Drilled</u>		
<u>NAD 83</u>		
<u>39</u>	<u>35</u>	<u>53.7</u>
<u>116</u>	<u>25</u>	<u>27.6</u>
		<u>Elevation</u>
		<u>LS 6128</u>

[illegible]