

WELL LOG AND REPORT TO THE STATE  
ENGINEER OF NEVADA

Also See  
Log 1787

Log No. 158  
Rec. 10/17 1947  
Well No.  
Permit No.  
Do not fill in

Owner Pete Johansen Driller Dennis Smith  
Address Ely Nevada Address Ely Nev. Box 131 Lic. No. 23  
Location of well: SE 1/4 NW 1/4 Sec. 19, T. 15 N/S, R. 67 E, in White Pine County  
NE?  
Water will be used for Irrigation Total depth of well 83'  
Size of drilled hole 1 1/2" Weight of casing per linear foot 5.0<sup>72</sup>  
Thickness of casing 5/16" Temp. of water  
Diameter and length of casing 1 1/2" 80'  
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)  
If flowing well give flow in c.f.s. or g.p.m. and pressure none  
If nonflowing well give depth of standing water from surface 9'  
If flowing well describe control works none  
(Type and size of valve, etc.)  
Date of commencement of well Sept 17 - 1947 Date of completion of well Sept 30 - 1947  
Type of well rig Cable tool outfit

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	11	11	sandy clay
11	13	2	sand & gravel (water)
13	17	4	gravel & clay mixed
17	22	5	sand & gravel (water)
22	39	17	gravel & clay mixed
39	44	5	sand & gravel (water)
44	83	39	sandy clay

Water-bearing Formation, Casing Perforations, Etc.  
Sand & gravel  
Chief aquifer (water-bearing formation)  
from 3.9 to 4.4 ft.  
Other aquifers 11' to 13'  
17' to 22'  
First water at 11 feet.  
Casing perforated  
from 4.4' to 11 ft.  
Size of perforations  
1/2 x 3  
12 perforations to the round and each round one foot apart.  
Casing drilled all the way.



WELL LOG AND REPORT TO THE STATE  
ENGINEER OF NEVADA

Log No. 1787  
 Rec. 10/30 1951  
 Well No. \_\_\_\_\_  
 Permit No. \_\_\_\_\_

Owner J. P. Johansen Driller W. J. Alcorn Drilling  
 Address Spring Valley Address W. Sacramento Calif. Lic. No. 96  
 Location of well: NE 1/4 NW 1/4 Sec. 19, T. 15 N/S, R. 67 E, in White Pine County  
 or 36 miles from Ely on Ranch.  
 Water will be used for Irrigation Total depth of well 700 ft  
 Size of drilled hole 15 inch Weight of casing per linear foot \_\_\_\_\_  
 Thickness of casing 3/16 Temp. of water \_\_\_\_\_  
 Diameter and length of casing 200 ft 12" casing 500 ft 10" casing  
 (Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)  
 If flowing well give flow in c.f.s. or g.p.m. and pressure \_\_\_\_\_  
 If nonflowing well give depth of standing water from surface 40 ft  
 If flowing well describe control works \_\_\_\_\_  
 (Type and size of valve, etc.) \_\_\_\_\_  
 Date of commencement of well 9/10/51 Date of completion of well 9/30/51  
 Type of well rig Rotary

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
80	255	175	Gravel Course
255	300	45	clay
300	315	15	fine gravel
315	500	185	yellow clay
500	550	50	gravel & clay
550	600	50	yellow clay
600	612	12	fine gravel
612	680	68	clay
680	690	10	fine gravel
690	700	10	yellow clay

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)  
 from 80 to 255 ft.

Other aquifers \_\_\_\_\_  
encountered sand & gravel in 10 to 15' streak all the way to 690'

First water at \_\_\_\_\_ feet.

Casing perforated  
 from 100 to 700 ft.  
600ft total perforated

Size of perforations  
3/16 perforations  
all casing 100ft from top down is perforated.

To go deeper

LOG OF FORMATIONS—Continued

From feet	To feet	Thickness	Type of material
			<p>deepen well from 80 ft to 700 ft</p> <p>old well had 80 ft of 16" casing set</p>

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
				<p>15" hole from 80 ft of old well that was cased down to 80 ft. (80)</p> <p>we set 200 ft 12" casing 3/16 top. 100 ft perforated</p> <p>" " 500 ft 10" " 3/16 on bottom all perforated</p>

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

owner will have some one else test pumps.

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

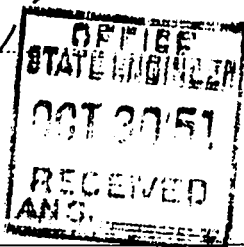
Signed W. Davis  
Well Driller

By W. Davis

License No. 96

Dated 10-26-, 1951

(Not to be filled in by Driller)



Field Copy Well Test.  
 Rte. Johansen, Ely Nevada  
 By E.M. Colvin & Son  
 Cedar City, Utah  
 1/27/51

Pumping level in feet.

150  
125  
100  
75  
50  
25

End of Test

Drilled  
 by Davis Ateon Drilling Co

Notes:

1. G.P.M. measured w/ orifice  
 1.570
2. P.H. measured w/ Electric  
 Sounder, ± 1 Feet

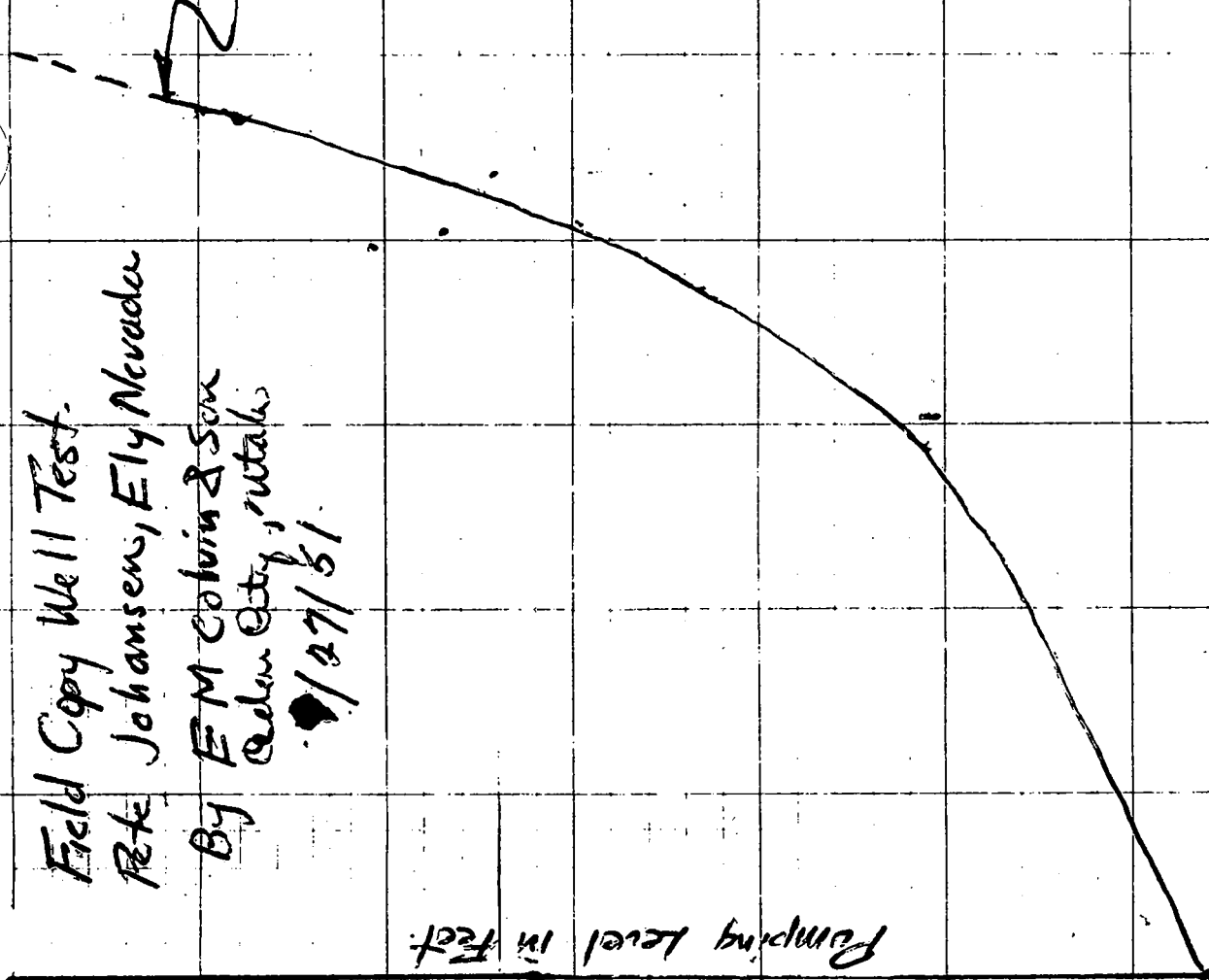
LOCATION OF WELL

NE 1/4 of NW 1/4 Sec. 19  
 Township 15 Range 67E.

White Pine Co

Flow in G.P.M.

100 200 300 400 500 600 700 800 900



CLEVELAND WELL  
**WELL LOG AND REPORT TO THE STATE ENGINEER  
 OF NEVADA**

Log No. 8327  
 Rec. Jan 25 1965  
 Well No. \_\_\_\_\_  
 Permit No. \_\_\_\_\_  
 Do not fill in: 179

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner Bureau of Land Management Driller Lee Bennett  
 Address Ely, Nevada Address 470 High St., Ely, Nev. Lic. No. 416  
 Location of well: 1/4 NE 1/4 Sec 26, T. 6 N., R. 66 E. in White Pine County  
 or NE<sup>4</sup>, Section 26, T. 6 N., R. 66 E. - Spring Valley  
 Water will be used for Stock Total depth of well 260 ft.  
 Size of drilled hole 6" Weight of casing per linear foot 10 lb.  
 Thickness of casing 1/4 Temp. of water Warm  
 Diameter and length of casing 6" ID 260'  
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)  
 If flowing well give flow in c.f.s. or g.p.m. and pressure \_\_\_\_\_  
 If nonflowing well give depth of standing water from surface 220'  
 If flowing well describe control works \_\_\_\_\_  
(Type and size of valve, etc.)  
 Date of commencement of well December 2, 1964 Date of completion of well December 10, 1964  
 Type of well rig 24-L Bucyrus Erie Cable tool

**LOG OF FORMATIONS**

From feet	To feet	Thickness feet	Type of material
0	140'	140'	Boulders in sand
140'	230'	90'	Sand
230'	260'	30'	Sand and gravel

**Water-bearing Formation, Casing Perforations, etc.**

Chief aquifer (water-bearing formation)  
 from 230' to 260 ft.  
 Other aquifers \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 First water at 230 feet.  
 Casing perforated  
 from 230 to 260 ft.  
 Size of perforations  
1/8 x 6" 5 to the  
round every 2'

**LOG OF FORMATIONS—Continued**

From feet	To feet	Thickness	Type of material

**CASING RECORD**

Diam. casing	From feet	To feet	Length	REMARKS—Seals, Grouting, etc.

**GENERAL INFORMATION—Pumping Test, Quality of Water, etc.**

Test bale hole, 30 Gals. Per Min. No draw down.

**WELL DRILLER'S STATEMENT**

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed Lee Bennett  
Well Driller

By J. V. Hill Contractor

License No. 416

Dated January 21, 1965

**(Not to be filled in by Driller)**

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1965 JAN 25 416 41

STILL

**STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
WELL DRILLER'S REPORT**

1 of 3  
**OFFICE USE ONLY**  
Log No. 113995  
Permit No. \_\_\_\_\_  
Basin 184

**PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK**

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

NOTICE OF INTENT NO. 60797

1. OWNER Southern Nevada Water Authority  
MAILING ADDRESS 100 City Parkway suite 700 Las Vegas, NV  
89106

ADDRESS AT WELL LOCATION 13 miles north of the Hwy 893 and Hwy  
SPR 7029M 50 on Hwy 893  
Subdivision Name: \_\_\_\_\_ County: White Pine

2. LOCATION NW 1/4 SE 1/4 Sec 25 T 16N N/S R 66 E  
PERMIT/WAIVER No. 010-57-001  
*Issued by Water Resources* Parcel No. \_\_\_\_\_

Latitude \_\_\_\_\_ UTM E 716089  NAD 27  
Longitude \_\_\_\_\_ N 4344105  NAD 83/WGS 84

3. WORKED PERFORMED  
 New Well  Replace  Recondition  
 Deepen  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
* See Attached*				

9. WELL CONSTRUCTION

Depth Drilled	<u>275</u>	Feet	Depth Cased	<u>261</u>	Feet
HOLE DIAMETER (BIT SIZE)					
	From		To		
	<u>11 3/4</u>	Inches	<u>0</u>	Feet	<u>38</u> Feet
	<u>10 1/2</u>	Inches	<u>38</u>	Feet	<u>275</u> Feet
		Inches		Feet	Feet
CASING SCHEDULE					
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)	
<u>4.5</u>	<u>10.79</u>	<u>.237</u>	<u>+2</u>	<u>261</u>	

Perforations:

Type of perforation	_____	slots	_____
Size of perforation	_____		<u>060</u>
From	<u>220</u>	feet to	<u>261</u> feet
From	_____	feet to	_____ feet
From	_____	feet to	_____ feet
From	_____	feet to	_____ feet
From	_____	feet to	_____ feet

Annular Seal:  Yes  No

<input type="checkbox"/> Neat Cement	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input checked="" type="checkbox"/> Cement Grout	<u>0</u> to <u>207</u>	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout	_____ to _____	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured

Gravel Pack:  Yes  No 213 to 262  Pumped  Poured  
Type: 8x12  
Bentonite Chips:  Yes  No 207 to 213  Pumped  Poured  
Type: 3/8"

7. Water Level  
Static water level: 217 feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: cool °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 WDC Exploration And Wells Contractor  
Address 739 W. Sunset rd, Henderson NV 89011 Contractor  
Nevada contractor's license number issued by the State Contractor's Board 0012852  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2057  
Signed [Signature]  
By driller performing actual drilling on site or contractor  
Date \_\_\_\_\_

8. WELL TEST DATA

TEST METHOD: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	<u>20</u>		<u>4</u>



**SPR7029M Lithology Log**

Lithologic Description
Well graded GRAVEL (GW) with silt. Varicolored, subrounded to well rounded, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone. Matrix is a tan, noncemented silt.
Well graded GRAVEL with clay (GW-GC). Varicolored, angular to subrounded, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone. Clay is tan with medium plasticity.
Well graded GRAVEL (GW). Varicolored, highly angular to subangular with fresh surfaces, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone.

Geologist	Depth (ft)			Primary Lithology	
	Initials	Top	Bottom		Thickness
KP		0	40	40	GRAVEL
KP		40	100	60	GRAVEL
KP		100	275	175	GRAVEL



## SPR7030M2 Lithology Log

Lithologic Description
Well graded GRAVEL with silt (GW-GM), varicolored, subangular to subrounded, poor to moderate cemented pinkish-white quartzite and gray to dark gray limestone. Matrix is brown, poor to moderate cemented silt with minor subrounded very fine grained sand.
SILTY CLAY with some gravel (CL-ML), light brown, moderate to well cemented, low plasticity. Gravel is coarse, gray, subrounded, non-cemented quartzite.
Clay (CL) with some sand, gray, medium plasticity. Sand is poorly graded, very fine to fine grained, subangulare to subrounded, medium cementation quartzite.
Well graded GRAVEL (GW) with some clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is gray, low to medium plasticity clay.
Fat CLAY (CH) with some gravel, dark gray, high plasticity. Gravel is dark gray, subrounded, non-cemented limestone and quartzite.
Lean CLAY (CL) with some gravel, dark brown, medium plasticity. Gravel is well graded, varicolored, subangular to subrounded, non-cemented quartzite.
Well graded GRAVEL (GW) with sand, varicolored, subrounded, non-cemented Quartzite. Matrix is vaicolored, subangular to subrounded, non-cemented quartz (quartzite).
Poorly graded SILTY SAND (SM) with gravel, tan to light brown, subangular to subrounded, non-cemented. Gravel is pinkish-white to dark gray, angular to subangular, non-cemented quartzite.
Well graded GRAVEL (GW) with sand, varicolored, subrounded, non-cemented Quartzite. Matrix is vaicolored, subangular to subrounded, non-cemented quartz (quartzite).
Lean CLAY (CL) with gravel, tan to brown with medium plasiticity. Gravel is medium to well graded, varicolored, subrounded, non-cemented quartzite.
Poorly graded SILTY SAND (SM) with gravel, tan to light brown, subangular to subrounded, non-cemented. Gravel is pinkish-white to dark gray, angular to subangular, non-cemented quartzite.
Well graded GRAVEL (GW) with minor silt, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is tan, non- to poorly cemented silt.
Well graded GRAVEL (GW) with clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is gray, medium plasiticity lean clay.
Fat CLAY (CH), gray with high plasiticity.
Fat Clay (CH) with sand and gravel, brown with high plasiticity. Sand is moderately graded, varicolored, subrounded, non-cemented quartzite. Gravel is moderately graded, varicolored, subrounded, non-cemented quartzite.
Poorly graded GRAVEL (GP) with clay, varicolored, subangular to subrounded, non- to poorly cementedquartzite. Matrix is gray with medium plasiticity lean clay.
Poorly graded SILTY SAND (SM) with gravel, tan to light brown, subangular to subrounded, non-cemented. Gravel is pinkish-white to dark gray, angular to subangular, non-cemented quartzite.
Well graded GRAVEL (GW), varicolored, subangular to subrounded, non-cemented quartzite.
Fat CLAY (CH) with gravel, reddish-brown, moderately cemented with high plasiticity. Gravel is well graded, varicolored, subangular to subrounded, non-cemented quartzite.
Well graded GRAVEL (GW), varicolored, subangular to subrounded, non-cemented quartzite.

Geologist	Depth (ft)			Primary Lithology	
	Initials	Top	Bottom		Thickness
KP		0	10	10	GRAVEL
KP		10	20	10	SILTY CLAY
KP		20	30	10	CLAY
KP		30	40	10	GRAVEL
KP		40	50	10	CLAY
KP		50	60	10	CLAY
KP		60	80	20	GRAVEL
KP		80	90	10	SILTY SAND
KP		90	110	20	GRAVEL
KP		110	120	10	CLAY
KP		120	140	20	SILTY SAND
KP		140	150	10	GRAVEL
KP		150	160	10	GRAVEL
KP		160	180	20	CLAY
KP		180	190	10	CLAY
KP		190	200	10	GRAVEL
KP		200	210	10	SILTY SAND
KP		210	220	10	GRAVEL
KP		220	230	10	CLAY
KP		230	240	10	GRAVEL



**27030M Lithology Log**

Lithologic Description	Stratigraphic Unit
Well graded GRAVEL with silt (GW-GM), varicolored, subangular to subrounded, non-cemented quartzite. Matrix is tan to brown, non-to poorly cemented silt.	Qa
Lean CLAY (CL) with sand and gravel, gray, low to medium plasticity. Sand is poorly graded, varicolored, subrounded, non-cemented quartzite. Gravel is well graded, varicolored, subrounded, non-cemented quartzite.	Qa
Fat CLAY (CH) with some gravel, gray with high plasticity. Gravel is poorly to medium graded, varicolored, subangular to subrounded, non-cemented quartzite.	Qa
Well graded GRAVEL (GW) with clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is gray, medium plasticity lean clay.	Qa
Fat CLAY (CH) with some gravel, gray, high plasticity. Gravel is well graded, varicolored, subrounded, non-cemented quartzite.	Qa
Well graded GRAVEL (GW) with some clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is light gray, low to medium plasticity lean clay.	Qa
Well graded GRAVEL (GW) with clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is light gray, low to medium plasticity lean clay.	Qa
Well graded GRAVEL (GW) with some clay, varicolored, subangular to subrounded, non-cemented quartzite. Matrix is light gray, low to medium plasticity lean clay.	Qa

## SPE

Geologist	Depth (ft)			Primary Lithology	
	Initials	Top	Bottom		Thickness
KP		0	10	10	GRAVEL
KP		10	20	10	CLAY
KP		20	30	10	CLAY
KP		30	40	10	GRAVEL
KP		40	60	20	CLAY
KP		60	80	20	GRAVEL
KP		80	90	10	GRAVEL
KP		90	100	10	GRAVEL



STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

1093  
OFFICE USE ONLY  
Log No. 113999  
Permit No. \_\_\_\_\_  
Basin 184

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 60797

1. OWNER Southern Nevada Water Authority  
MAILING ADDRESS 100 City Parkway suite 700 Las Vegas, NV 89106

ADDRESS AT WELL LOCATION 13 miles north of the Hwy 893 and Hwy 50 on Hwy 893  
SPR 7029M2  
Subdivision Name: \_\_\_\_\_ County: White Pine

2. LOCATION NW 1/4 SE 1/4 Sec 25 T 16N N/S R 66 E  
PERMIT/WAIVER No. R-1497 010-57-001  
Issued by Water Resources Parcel No.

Latitude \_\_\_\_\_ UTM E 716089  NAD 27  
Longitude \_\_\_\_\_ N 4344105  NAD 83/WGS 84

3. WORKED PERFORMED  
 New Well  Replace  Recondition  
 Deepen  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
<i>* See Attached*</i>				

9. WELL CONSTRUCTION

Depth Drilled	<u>437</u>	Feet	Depth Cased	<u>422</u>	Feet
HOLE DIAMETER (BIT SIZE)					
	From	To			
<u>32</u>	Inches	<u>0</u>	Feet	<u>28</u>	Feet
<u>17.5</u>	Inches	<u>28</u>	Feet	<u>437</u>	Feet
	Inches		Feet		Feet
CASING SCHEDULE					
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)	
<u>20</u>	<u>78.67</u>	<u>.375</u>	<u>0</u>	<u>38</u>	
<u>12</u>	<u>49.61</u>	<u>.375</u>	<u>+2</u>	<u>422</u>	

Perforations:

Type of perforation \_\_\_\_\_ slots  
Size of perforation \_\_\_\_\_ .080

From 382 feet to 422 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Annular Seal:  Yes  No

Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Cement Grout 0 to 353  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 ≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Gravel Pack:  Yes  No 360 to 437  Pumped  Poured  
Type: \_\_\_\_\_ 8x12

Bentonite Chips:  Yes  No 353 to 360  Pumped  Poured  
Type: \_\_\_\_\_ 3/8"

7. Water Level  
Static water level: 218 feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: cool °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 WDC Exploration And Wells  
Contractor

Address 739 W. Sunset rd, Henderson NV 89011  
Contractor

Nevada contractor's license number \_\_\_\_\_  
issued by the State Contractor's Board 0012852

Nevada driller's license number issued by the Division of Water Resources, the on-site driller \_\_\_\_\_ 2057

Signed   
by driller performing actual drilling on site or contractor

Date \_\_\_\_\_

8. WELL TEST DATA

TEST METHOD:  Bailor  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>40</u>		<u>4</u>

USE ADDITIONAL SHEETS IF NECESSARY 39.219416°N  
114.496083°W NAD 27  
TA

### SPR7029M2Lithology Log

Lithologic Description	Stratigraphic Unit
Well graded GRAVEL (GW) with silt. Varicolored, subrounded to well rounded, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone. Matrix is a tan, noncemented silt.	Qa
Poorly graded GRAVEL (GP). Varicolored, highly angular with fresh surfaces, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone.	Qa
Well graded GRAVEL (GW). Varicolored, highly angular to subangular with fresh surfaces, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone.	Qa
Well graded GRAVEL (GW) with silty sand. Varicolored, highly angular to subangular with fresh surfaces, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone. Matrix is a tan, subangular to subrounded, noncemented silty sand	Qa
Well graded GRAVEL (GW). Varicolored, angular to subrounded, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone.	Qa
Well graded GRAVEL (GW). Varicolored, highly angular to subangular with fresh surfaces, noncemented gravel that consists of pink to gray quartzite and dark gray to black limestone.	Qa

Geologist	Depth (ft)			Primary Lithology	
	Initials	Top	Bottom		Thickness
KP		0	30	30	GRAVEL
KP		30	80	50	GRAVEL
KP		80	130	50	GRAVEL
KP		130	160	30	GRAVEL
KP		160	260	100	GRAVEL
KP		260	440	180	GRAVEL