WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 4544
Rec. May 14. 1959
Well No.
Permit No. 16864.
030A Do not fill in

Owner Lee Ellis Driller H. A. Sevey

Address Orovada, Nevada Address Rt. 1 Box 176 Vale Oregon Lic. No. 258

Location of well: N ½ NE ¼ Sec. 20, T. 44 N/S, R. 34 E, in Humbolt County

or

Water will be used for Irrigation Total depth of well 217'

Size of drilled hole 16" Weight of casing per linear foot

Thickness of casing 3/16 Temp. of water

Diameter and length of casing 16" x161
(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 17 ft.

If flowing well describe control works.
(Type and size of valve, etc.)

Date of commencement of well Dec 11, 1958 Date of completion of well Dec. 22, 1958

Type of well rig Cable Tool

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	12	12	soil
12	26	14	sand
26	28	2	yellow clay
28	83	55	sand first water
83	142	59	sandy clay
142	145	3	fine sand
145	170	25	sandy clay
170	176	6	fine sand
176	190	14	sandy clay
190	195	5	hard yellow clay
195	198	3	sandy clay
198 21	217	19	sand

Replaced By Well log 125550

Plugged By Well log 125551

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
from 28' to 217 ft.

Other aquifers

First water at 28 feet.

Casing perforated
from 08 to 180 ft.

Size of perforations
3/16 X 2"

919

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.
16"	0	180	180	

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

WELL DRILLER'S STATEMENT

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

Signed..... Well Driller

By H. A. Sevey

License No. 258

Dated May 9, 19 59

(Not to be filled in by Driller)

1959 MAY 14 AM 9 09

OFFICE

ENGINEER

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

OFFICE USE ONLY
Log No. 126326
Permit No.
Basin 037

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. 73098
WELL NAME (if applicable):

1 OWNER Western Exploration LLC
MAILING ADDRESS 121 Woodland Ave. Ste. #A
Reno NV. 89523

ADDRESS AT WELL LOCATION Wood Gulch 10 miles
S.W. of Mountain City
Subdivision Name: County: Elko

2 LOCATION NW¼ SE ¼ Sec 29 T 44 N R 53 E
PERMIT/WAIVER No. nm-194 (Issued by Water Resources) Parcel No.

Latitude
Longitude

UTM E 586799 ☐ NAD 27
N 4616115 ☒ NAD 83/WGS 8

3 TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? 73097
If yes, what is replacement well NDI?

Is there an existing well log? Yes
If yes, what is NDWR well log #? 123573

4 EXISTING WELL CONSTRUCTION
Depth Drilled Feet Depth Cased Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
12½		.250	0	50
6¾	7.4	30819	0	342
6¾	7.4	30819	342	462

Existing Perforations:
Type of perforation Factory Slot
Size of perforation .020

From	feet to	feet
		feet
342	442	feet
		feet
		feet
		feet

5 WATER LEVEL
Static water level 262 feet below land surface
Artesian flow no G.P.M. P.S.I
Water temperature °F Quality

6 Additional Notes or Comments
There are 2 well log #s
123573
121095

NAD 27
41.691997
115.955835

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no If pulled from: feet to feet
Was the casing ever drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations:
Type of perforater used: Air

From	feet to	feet	Number of perfs per linear foot
342	50	feet	4
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	
		feet	

8 WELL PLUGGING MATERIALS
Material Used

From	feet to	feet			
				☐ Pumped	☐ Poured
442	60	feet	Bentonite Grout	☒ Pumped	☐ Poured
60	35	feet	Bentonite chips	☐ Pumped	☒ Poured
35	0	feet	Neat Cement	☐ Pumped	☒ Poured
		feet		☐ Pumped	☐ Poured
		feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 15.6 lbs/gal
Bentonite Grout 15 % bentonite

Date Started 10-12-16
Date Completed 10-12-16

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name S+S Water Wells (Contractor)
Address 900 E. 4th Street Winnemucca NV. 89445 (Contractor)
Phone (775) 340-9191

Nevada contractor's license number issued by the State Contractor's Board 0081240
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2384
Signed Shawn Mitchell (By driller performing actual drilling on site or contractor)
Date

(Rev. 04/16) USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

Plugs Well log 123573/121095

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

PRINT OR TYPE IN BLACK INK ONLY
DO NOT WRITE ON BACK

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

OFFICE USE ONLY
Log No. 121095
Permit No.
Basin No. 037

NOTICE OF INTENT NO.
WELL NAME (If applicable):

1. OWNER/CLIENT NAME Western Exploration LLC
MAILING ADDRESS 2ll Woodland Ave. Suite 140
Reno NV. 89523

DETAILED ADDRESS AT WELL LOCATION

Subdivision Name: County: Elko

2. PLS LOCATION NW ¼ SE ¼ 24 Sec T44 N/S R53 E
PERMIT/WAIVER NO. MM-194 (Issued by Water Resources) (Current Parcel No.)

Latitude UTM E 586799 NAD 27
Longitude UTM N 4616115 NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
☒ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ☒ RVC
☐ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Rhyolite Flow			0	270
Rhyolite Flow		✓	270	275
Rhyolite Flow			275	420
Rhyolite Flow		✓	420	430
Rhyolite Flow			430	435
Rhyolite Flow		✓	435	440
Rhyolite Flow			440	462
NAD 27				
41.692178°N				
115.956024°W				

Date started: 9-9 .20 14
Date completed: 9-13 .20 14

7. WATER QUALITIES
Static water level: 263 Feet below land surface
Artesian Flow: no G.P.M. P.S.I.
Water Temperature: 55 ° Fahrenheit
Water Quality: Good

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
Airlift	38	7	1½

9. CONSTRUCTION
Depth Drilled: 462 Feet Depth Cased: 462 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
17½	Inches	0	Feet	50	Feet
10 5/8	Inches	50	Feet	462	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
12½		.250	0	50
6 3/4	7.4	SDR 19	0	342
6 3/4	7.4	SDR 19	442	462

ANNULAR MATERIALS
Sanitary Seal ☒ Yes ☐ No

☒ Neat Cement	0	to 50	☒ Pumped	☐ Poured	
☐ Cement Grout		to	☐ Pumped	☐ Poured	
☐ Concrete Grout		to	☐ Pumped	☐ Poured	
☒ Bentonite Chips	50	to 140	☐ Pumped	☒ Poured	
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured	
☒ Sand Pack [< 0.2 in.]	140	to 462	☐ Pumped	☐ Poured	Tremie Pipe
☐ Other, explain:		to	☐ Pumped	☐ Poured	

PERFORATIONS:
Type of perforation: Factory slot
Size of perforation: .020

From	Feet	To	Feet
From 342	Feet	To 442	Feet
From	Feet	To	Feet
From	Feet	To	Feet
From	Feet	To	Feet

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Enviro tech Drilling (Contractor)
Address 4105 W. Wmca Blvd Wmca NV 89445 (Contractor)
Nevada contractor's license number as issued by the State Contractor's Board: 0075392
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2384
Signed: Shawn Mikelson (By driller performing actual drilling on site or contractor)
Date: 10-10-14

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2014 NOV 17 AM 10:34
STATE ENGINEER'S OFFICE

USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

Plugged by Well log 126326

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 6188
Rec. April 19 1962
Well No.
Permit No. 17035
Do not fill in

Owner Edward Fox Driller Armstrong Brothers

Address 25 California St., San Francisco 11, Calif. Address Box 13 Orovada, Nev. Lic. No. 5348

Location of well: SE 1/4 SE 1/4 Sec. 1, T. 45 N/S, R. 33 E, in Humboldt County County

or Kings River Valley (Permit 17035; Well #35)

Water will be used for Irrigation Total depth of well 422 ft.

Size of drilled hole 16" Weight of casing per linear foot 33

Thickness of casing 3/16" Temp. of water

Diameter and length of casing 16 1/2" OD X 282 ft.
(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

If flowing well describe control works
(Type and size of valve, etc.)

Date of commencement of well Feb. 2, 1961 Date of completion of well Feb. 16, 1961

Type of well rig Cable Tool Mud Scow

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	18	18	topsoil
18	48	30	cobbles & sand
48	62	14	soft br. clay
62	83	21	cobbles & sand
83	90	7	soft br clay
90	98	8	gravel
98	106	8	soft br. clay
106	121	15	gravel & sand
121	141	20	soft br. clay
141	163	22	sand & gravel
163	166	3	soft br. clay
166	180	14	sand & gravel
180	204	24	firm br. clay
204	216	12	sand & gravel
216	355	139	br. clay
355	366	11	cemented gravel
366	380	14	br. clay
380	400	20	cemented gravel
400	422	22	br. clay caving

Replaced By Well log 125230

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
from 272 to 100 ft.

Other aquifers

First water at feet.

Casing perforated
from 272 to 100 ft.

Size of perforations
3/8" X 2"

7 holes per round every 6" to 8" apart

(OVER)

919

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.
16½" OD	0	282		

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

This well delivers 2,420 gallons per minute with a lift of 158 feet.

WELL DRILLER'S STATEMENT

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

Signed ARMSTRONG BROS.
Well Driller

By H. M. McCauley

License No. 5348

Dated April 12, 1962

(Not to be filled in by Driller)

1962 APR 19 AM 10 20
STATE ENGINEER
OFFICE

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

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. 125325
Permit No. 17785
Basin 030A

NOTICE OF INTENT NO. 71347

1. OWNER Brian Rockstool
MAILING ADDRESS 121 Kings River Road
Orovada NV 89425

ADDRESS AT WELL LOCATION 36860 Kings River Road
41°44'35.2"N
118°13'34.74"W

2. LOCATION NW ¼ NW ¼ Sec. 36 T. 45 N/S R. 33 E. Humboldt County
PERMIT NO. 17785 Issued by Water Resources
Parcel No. 4533-36-200-001
"P15-07" Waiver Subdivision Name

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

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
Clay		00'	60'	60'
Fine Sand		60'	120'	60'
Pea Gravel		120'	195'	75'
Sandy Clay		195'	240'	45'
Free Gravel		240'	255'	15'
Gravel and Clay		255'	390'	135'
Coarse Gravel		390'	400'	10'

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2016 JUL 22 PM 1:15
STATE ENGINEERS OFFICE

Date started 5/21/2016 19—
Date completed 5/30/2016 19—

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

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

NAD 27
41.743214
118.225328

8. WELL CONSTRUCTION
Depth Drilled 400' Feet Depth Cased 290' Feet

HOLE DIAMETER (BIT SIZE)

	From	To
16" Inches	0' Feet	400' Feet
/ Inches	/ Feet	/ Feet
/ Inches	/ Feet	/ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8"	3.77	.1266	0'	295'
/	/	/	/	/

Perforations:
Type perforation Horizontal
Size perforation .125" x 4"
From 210' feet to 290' feet
From / feet to / feet
From / feet to / feet
From / feet to / feet
From / feet to / feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 5'
Placement Method: ☐ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☑ Concrete Grout

Gravel Packed: ☐ Yes ☐ No
From 5' feet to 290' feet

9. WATER LEVEL
Static water level 156 feet below land surface
Artesian flow -0- G.P.M. -0- P.S.I.
Water temperature 55 °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 Bill Moritz Contractor
Address PO Box 3791 Contractor
Winnemucca Nevada 89446
Nevada contractor's license number issued by the State Contractor's Board. 2032
Nevada driller's license number issued by the Division of Water Resources, the on-site driller.
Signed Harold Mort By driller performing actual drilling on site or contractor
Date 7/19/2016

(Rev. 3-93) USE ADDITIONAL SHEETS IF NECESSARY (10)-822

Reconditioning well log 4847

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 4847
Rec. Oct 1 1959
Well No. 17785
Permit No. ~~[illegible]~~
Do not fill in [redacted] 00's

Owner Grace Harwood Driller H. A. Sevey

Address Address Rt. 1 Box 176 Vale, Ore Lic. No. 258

Location of well: NW ¼ NW ¼ Sec. 36, T 45 N/S, R 33 E, in Humbolt County

or 50' east of the west line and 384 south of the north line

Water will be used for Irrigation Total depth of well 400'

Size of drilled hole 16" Weight of casing per linear foot

Thickness of casing 3/16 Temp. of water

Diameter and length of casing 16"x255'
(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 42'

If flowing well describe control works
(Type and size of valve, etc.)

Date of commencement of well Sept. 6, 1959 Date of completion of well Sept. 24, 1959

Type of well rig Cable tool

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
00	60	60	clay
60	120	60	fine sand
120	195	75	pea gravel
195	240	45	sandy clay
240	255	15	free gravel
255	390	135	graveland clay
390	400	10	coarse gravel

Reconditioned By Well log 125325

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 390 to 400 ft.

Other aquifers 60 to 120
120 195
240 to 255

First water at 60 feet.

Casing perforated

from 147 to 237 ft.

Size of perforations

2" x ½

(OVER)

919

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.
16"	0	255	255	

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

WELL DRILLER'S STATEMENT

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

Signed [signature] Well Driller

By .....

License No. 258

Dated Sept. 24, 1959, 19.....

(Not to be filled in by Driller)

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

PRINT OR TYPE IN BLACK INK ONLY
DO NOT WRITE ON BACK

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

OFFICE USE ONLY
Log No. 125519
Permit No. 83348
Basin No. 066

NOTICE OF INTENT NO. 73612
WELL NAME (If applicable): TDW-00077

1. OWNER/CLIENT NAME: Newmont Mining Corporation
MAILING ADDRESS: PO Box 69
Golconda, Nevada 89414

DETAILED ADDRESS AT WELL LOCATION: Twin Creeks Mine
at mill facility
Subdivision Name:
County: Humboldt

2. PLS LOCATION SW ¼ SE ¼ 5 Sec 39 N/S 43 E
PERMIT/WAIVER NO. 83348 (Issued by Water Resources) Order 1232 (Current Parcel No.)

Latitude 41.285335 UTM E ☐ NAD 27
Longitude 117.152703 UTM N ■ NAD 83/WGS 84

3. WORKED PERFORMED
■ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
■ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ☐ RVC
☐ Air ☐ Mud ☐ Sonic
■ Other Flooded

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Backfill	yes		0	40
Alluvium			40	360
Clay redish brown			360	490
Etchart Formation (sandy limestone			490	1310
and sandstone)				

Date started: 6-Jun , 20 16
Date completed: 2-Aug , 20 16

7. WATER QUALITIES
Static water level: 814 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: ° Fahrenheit
Water Quality:

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ■ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
Open-Ended	200	2	2
		NAD 27	
		41.285435	
		117.151753	

9. WELL CONSTRUCTION
Depth Drilled: 1310 Feet Depth Cased: 1300 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
46	Inches	0	Feet	97	Feet
38	Inches	97	Feet	531	Feet
31	Inches	531	Feet	1310	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
42	221.6	.500	0	83
33	130.7	.375	0	531
24	94.6	.375	+1.5	1300

ANNULAR MATERIALS
Sanitary Seal ■ Yes ☐ No

■ Neat Cement	0	to 97	■ Pumped	☐ Poured	
■ Cement Grout	0	to 531	■ Pumped	☐ Poured	
■ Concrete Grout	0	to 200	■ Pumped	☐ Poured	
■ Bentonite Chips	200	to 798	■ Pumped	☐ Poured	
■ Gravel Pack [> 0.2 in.]	798	to 1310	☐ Pumped	■ Poured	
☐ Sand Pack [< 0.2 in.]		to	☐ Pumped	☐ Poured	
☐ Other, explain:		to	☐ Pumped	☐ Poured	

PERFORATIONS:
Type of perforation: Louvered
Size of perforation: 0.125

From 860 Feet	To 1300 Feet		
From Feet	To Feet		
From Feet	To Feet		
From Feet	To Feet		
From Feet	To Feet		

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.

Name: Boart Longyear Company (Contractor)
Address: 2745 W California Ave, Salt Lake City, Utah 84104 (Contractor)
Phone: (801) 973-6667
Nevada contractor's license number as issued by the State Contractor's Board: 0021976
Nevada well driller's license number as issued by the Nevada Division of Water Resources, (on-site driller): 1962
Signed: Scott Krug (By driller performing actual drilling on site or contractor)
Date: 8/9/16

(Rev. 04-16)
USE ADDITIONAL SHEETS IF NECESSARY
pg. 1 of pg. 1

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

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

OFFICE USE ONLY
Log No. 126761
Permit No.
Basin 179

1 OWNER Darren Wallace
MAILING ADDRESS 950 Ave D,
SE Ely, NV 89301

NOTICE OF INTENT NO. 68216
ADDRESS AT WELL LOCATION 2727 No. SR 490
Subdivision Name: Cross Timbers County: White Pine

2 LOCATION SW ¼ SW ¼ Sec 15 T 17N N/S R 63 E
PERMIT/WAIVER No. SE 557133
Issued by Water Resources Parcel No.

Latitude 39.734502 Longitude 114.884569
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84

3 TYPE OF WELL
☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? YES
If yes, what is replacement well NO? 68222

Is there an existing well log? Yes
If yes, what is NDWR well log #? 98252

4 EXISTING WELL CONSTRUCTION
Depth Drilled 270 Feet Depth Cased 270 Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8-5/8		.188	0	225
6-5/8		.188	215	275

Existing Perforations:
Type of perforation Factory and Torch cut
Size of perforation 1/8X12" and 1/8X3"

From	100	feet to	275	feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet

5 WATER LEVEL
Static water level 120' feet below land surface
Artesian flow NO G.P.M. NA P.S.I
Water temperature °F Quality Good

6 Additional Notes or Comments

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☐ yes ☒ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no
Was the casing over drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations:
Type of perforater used: No Add. Perf, Orig Perf 20' above Static Level

From		feet to		feet	Number of perfs per linear foot
From		feet to		feet	Number of perfs per linear foot
From		feet to		feet	Number of perfs per linear foot
From		feet to		feet	Number of perfs per linear foot
From		feet to		feet	Number of perfs per linear foot
From		feet to		feet	Number of perfs per linear foot

8 WELL PLUGGING MATERIALS

				Material Used		
From	275	feet to	80	feet	Abandinite	☒ Pumped ☐ Poured
From	80	feet to	0	feet	Cement Grout	☐ Pumpe ☒ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured

Neat Cement Fluid Weight lbs/gal
Bentonite Grout % bentonite
Date Started 11/23/2016
Date Completed 11/23/2016

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Christiansen Drilling Inc (Contractor)
Address 557 Ely, Avenue, Ely NV 89301 (Contractor)

Nevada contractor's license number issued by the *State Contractor's Board* 0014790
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 1793

Signed (By driller performing actual drilling on site or contractor)
Date 11/24/2016

(Rev. 05-08)

USE ADDITIONAL SHEETS IF NECESSARY

Plugs Well log 98252

NAD 27
39.334564
114.883716

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

OFFICE USE ONLY
Log No. 126765
Permit No.
Basin No. 179

PRINT OR TYPE IN BLACK INK 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. 68222
WELL NAME (If applicable):

1. OWNER/CLIENT NAME Darren Wallace
MAILING ADDRESS 950 Ave D,
SE Ely, NV 89301

DETAILED ADDRESS AT WELL LOCATION 2727 No. SR 490
Subdivision Name Cross Timbers County: White Pine

2. PLS LOCATION SW ¼ SE SW ¼ 15 Sec 17 N S 63 E
PERMIT/WAIVER NO. Issued by Water Resources 00557133 Current Parcel No

Latitude 39.334103 UTM E ☐ NAD 27
Longitude 114.883633 UTM N ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☐ New Well ☐ Deepen: Orig WL#
☒ Replacement: Original well log # 98252
☐ Recondition: Original well log #

4. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☒ Rotary ☐ RVC
☐ Air ☒ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Top Soil			0	3
Sand and Small Gravel			3	45
Small Gravel and Clay			45	55
Sand and Gravel W/Clay Stringers			55	75
Sand and Gravel			75	110
Clay and Gravel			110	140
Small Gravel		X	140	150
Clay W/Sand and Gravel Stringers			150	185
Brown Clay			185	195
Course Gravel and Clay		X	195	200
Sticky Brown Clay			200	220

Date started: 9-Nov , 20 16
Date completed: 14-Nov , 20 16

7. WATER QUALITIES
Static water level: 114 Feet below land surface
Artesian Flow: NA G.P.M. NA P.S.I.
Water Temperature: 58 ° Fahrenheit
Water Quality: Good

8. WELL TEST DATA
Test Method: ☐ Bailer ☒ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
2 HP Sub Pump	30	165	8 Hrs

9. WELL CONSTRUCTION
Depth Drilled: 220 Feet Depth Cased: 220 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12	Inches	0	Feet	220	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	12.92	.188	+16	20
6.625	4.92	SDR-17	20	220

ANNULAR MATERIALS
Sanitary Seal ☒ Yes ☐ No

☐ Neat Cement		to	☐ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☒ Concrete Grout	0	to 50	☐ Pumped	☒ Poured
☐ Bentonite Chips		to	☐ Pumped	☐ Poured
☒ Gravel Pack [> 0.2 in.]	50	to 220	☐ Pumped	☒ Poured
☐ Sand Pack [< 0.2 in.]		to	☐ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

PERFORATIONS:
Type of perforation: Factory Slot
Size of perforation: 0.032

From 120 Feet	To 200 Feet		
From Feet	To Feet		
From Feet	To Feet		
From Feet	To Feet		
From Feet	To Feet		

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.

Name Christiansen Dilling Inc (Contractor)
Address 557 Ely, Ave Ely, NV 89301 (Contractor)
Phone 775-289-4525
Nevada contractor's license number as issued by the State Contractor's Board: 0014790
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 1793
Signed (By driller performing actual drilling on behalf of contractor)
Date: 11/24/2016

(Rev. 04-16) USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

NAD27
39.334165, -114.882780

Replaces well log 98252

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

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. 98252
Permit No.
Basin 179

NOTICE OF INTENT NO. 49222

1. OWNER Don-Stephanie Connoly
MAILING ADDRESS PO Box 151023 Ely NV 89315
ADDRESS AT WELL LOCATION 2722 SR 496 Ely NV 89301

2. LOCATION S/W ¼ S/W ¼ Sec. 15 T. 17 N/S R. 63 E. White Pine County
PERMIT NO. 0 (Issued by Water Resources) 005-571-33 (Parcel No.) Cross Timbers (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
Top Soil		1	3	3
Clay-Gravel		3	30	27
Gravel-Sand		30	35	5
Clay-Gravel		35	65	30
Sandy Clay		65	105	40
Gravel	X	105	108	3
Sandy clay		108	140	32
Gravel-Clay		140	155	15
Gravel-Sand	X	155	158	3
Clay-Gravel		158	175	17
clay		175	200	25
Clay-sand		200	245	25
boulders-clay		245	260	15
Fractured Rock	X	260	265	5
Hard Rock		265	275	

This well was 225' TD Tried airlift-surging and bailing re perforate from 100 to 160' did not help production.

Deepend well to 275' Installed 6" casing improved well from 1 GPM to approx 3 gpm

Date started 6-3-05, 19
Date completed 6-15-05, 19

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
3	170	4

Plugged By Well Log 126761
Replaced By Well Log 126765

8. WELL CONSTRUCTION
Depth Drilled 275 Feet Depth Cased 275 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
8 5/8 Inches	0 Feet	225 Feet
7 7/8 Inches	225 Feet	275 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8		.188	0	225
6 5/8		.188	215	275

Perforations:
Type perforation Factory - torch cut
Size perforation 1/8 x 12 - 1/8 x 3
From 100 feet to 275 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 51
Placement Method: ☐ Pumped ☒ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☒ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 51 feet to 200 feet

9. WATER LEVEL
Static water level 102 feet below land surface
Artesian flow G.P.M. P.S.I.
Water temperature cold °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 Davis Drilling and Pumps (Contractor)
Address HC 61 Box 54 Hiko NV 89017 (Contractor)

Nevada contractor's license number issued by the State Contractor's Board 0028866
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1191
Signed Mike Davis
By driller performing actual drilling on site or contractor
Date 6-14-05

(Rev. 3-91)

USE ADDITIONAL SHEETS IF NECESSARY

(O)-627

STATE OF NEVADA

DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

PRINT OR TYPE ONLY

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

OFFICE USE ONLY
Log No. 125349
Permit No.
Basin 087

NOTICE OF INTENT NO. 74555

1. OWNER **Nick Suhayda**
MAILING ADDRESS **5425 Mt Rose Hwy**
Reno NV 89511

ADDRESS AT WELL LOCATION **5425 Mt Rose Hwy**
Reno NV 89511

2. LOCATION **SE¼SW¼** Sec **25** T **18** N/S R **19** E
Subdivision Name: County: **Washoe**

PERMIT/WAIVER NO. **150-021-13**
Issued by Water Resources Parcel No.

Latitude **39.392280** UTM E ☐ NAD 27
Longitude **-119.798749** N ☒ NAD 83/WGS 84

3. WORK 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	Thickness
Fractured Granite	X	180	190	10
Weathered Granite		190	233	43
Brown Clay		233	234	1
Granite		234	310	76
Weathered Granite		310	330	20

Washoe Co. Permit #WL160021

Date started: 6/28, 20 16
Date completed: 6/28, 20 16

7. Water Level
Static water level: **165'** feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: **59** °F
Quality: **not tested**

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Pump	**11**	**20'**	**3**
		NAD 27	
		39.392369	
		119.797728	

9. WELL CONSTRUCTION
Depth Drilled **330** Feet Depth Cased **330** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 1/8 Inches	**180** Feet	**330** Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5	**10.79**	**.188**	**10**	**330**

Perforations:
Type of perforation **Factory**
Size of perforation **.060 Double perf.**

From	**290** feet to	**310**	feet
From	**170** feet to	**190**	feet
From	feet to		feet
From	feet to		feet
From	feet to		feet

Annular Seal: ☐ Yes ☒ No

☐ Neat Cement	to	☐ Pumped	☐ Poured
☐ Cement Grout	to	☐ Pumped	☐ Poured
☐ Concrete Grout	to	☐ Pumped	☐ Poured
☐ ≥30% Bentonite Grout	to	☐ Pumped	☐ Poured
Gravel Pack: ☐ Yes ☒ No	to	☐ Pumped	☐ Poured
Type:			
Bentonite Chips: ☐ Yes ☒ No	to	☐ Pumped	☐ Poured
Type:			

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name **Bruce MacKay Pump & Well Service, Inc.** (CONTRACTOR)
Address **1600 Mt. Rose Hwy** (CONTRACTOR)
Reno, NV 89511
Nevada contractor's license number issued by the *State Contractor's Board* **23096**
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* **1790**
Signed
By driller performing actual drilling on site or contractor
Date **7/7/16**

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

Forms Provided by Forms-On-A-Disk · (214) 340-9429 · FormsOnADisk.com

DEEPENING WELL log 31779

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

OFFICE USE ONLY
Log No. 31779
Permit No.
Basin 87.

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 12637

1. OWNER Nick Suhayda
MAILING ADDRESS 621 Pyramid Way
Sparks, Nv 89431

ADDRESS AT WELL LOCATION 5425 Mt. Rose Hwy

2. LOCATION NE¼ NE¼ SE¼ SW¼ Sec. 25 T 18 N/S R 19 E Washoe County
PERMIT NO. (Issued by Water Resources) 045-031-08 (Parcel No.) — (Subdivision Name)

3. TYPE OF WORK
New Well XX Recondition ☐
Deepen ☐ Other ☐

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

5. TYPE WELL
Cable ☐ Rotary ☒
Other ☐ Air

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Overburden		0	3	3
Black & White volcanic rock - hard		3	12	9
Volcanic rock black & white, red - medium hard		12	18	6
Granadirite with black red rock - hard		18	60	42
Granadirite with some red, brown, purple rock - medium hard		60	105	45
Granite, with red & white rock - hard		105	131	26
Granite - hard	X	131	181	51
T.D. 181 feet				
Deepened By Well Log 125349				

Date started 5/15/89, 19
Date completed 5/17/89, 19

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
Blew with air to clean and develop.			

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 12¼ inches, 9 7/8 inches, ... inches Total depth 181 feet
Casing record 8 5/8 inch
Weight per foot 16.94 Thickness .188

Diameter	From	To
8 5/8 inches	+2 feet	181 feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

Surface seal: Yes XX No ☐ Type grout
Depth of seal 50 feet
Gravel packed: Yes XX No ☐
Gravel packed from 50 feet to 181 feet

Perforations:
Type perforation Factory - double perf
Size perforation 3/32 X 3
From 159' 7" feet to 169' 7" feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level 120 feet below land surface
Flow 30+ G.P.M. P.S.I.
Water temperature cold °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 Aqua Drilling & Well Service, INc (Contractor)
Address 625 Spice Islands Dr Suite L Sparks, Nv 89431 (Contractor)
Nevada contractor's license number issued by the State Contractor's Board 15291
Nevada contractor's driller's number issued by the Division of Water Resources 1132
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1509
Signed ..... (By driller performing actual drilling on site or contractor)
Date Roger M. Thrall 5/19/89

(Rev. 11-85) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

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

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

OFFICE USE ONLY
Log No. 126229
Permit No.
Basin 087

NOTICE OF INTENT NO. **75265**

1. OWNER **Amour Property Management LLC**
MAILING ADDRESS **59 Damonte Ranch Pkwy**
Reno NV 89521

ADDRESS AT WELL LOCATION **15900 Curtis Ln**
Reno NV 89511
Subdivision Name: *County:* **Washoe**

2. LOCATION **SE ¼ SW ¼** Sec **25** T **18** /N R **19** E
PERMIT/WAIVER NO. **150-021-08**
Issued by Water Resources Parcel. No.

Latitude **39.391629** UTM E ☐ NAD 27
Longitude **-119.802997** N ☒ NAD 83/WGS 84

3. TYPE OF WELL
☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? ☒ Yes ☐ No
If yes, what is replacement well NOI? 75266

Is there an existing well log? ☐ Yes ☒ No
If yes, what is NDWR well log #? **5876**

4. *EXISTING WELL CONSTRUCTION*
Depth Drilled **102** Feet Depth Cased **102** Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8	16.94	.188	0	100

Existing Perforations:
Type of perforation Factory
Size of perforation 3/32 x 3

From **N/A** feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

5. *WATER LEVEL*
Static water level: **Dry** feet below land surface
Artesian flow: G.P.M. P.S.I
Water Temperature: °F Quality

6. Additional Notes or Comments
Removed all equipment from Well. Abandoned this Well by pouring neat cement from 102' to surface .

Washoe County Permit #WL160097

7. WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ Yes ☐ No
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ Yes ☒ No
Was the casing pulled? ☐ Yes ☒ No
Was the casing over drilled? ☐ Yes ☒ No
If casing was left in place, please show where additional perforations were made:
Additional Perforations:
Type of perforater used: **None-Dry Well**

From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot

8. WELL PLUGGING MATERIALS

			Material Used	
From **102**	feet to **0**	feet	**Cement**	☐ Pumped ☒ Poured
From	feet to	feet		☐ Pumped ☐ Poured
From	feet to	feet		☐ Pumped ☐ Poured
From	feet to	feet		☐ Pumped ☐ Poured
From	feet to	feet		☐ Pumped ☐ Poured
From	feet to	feet		☐ Pumped ☐ Poured

Neat Cement Fluid Weight **15.0** lbs/gal
Bentonite Grout **>30** % bentonite

Date Started **8/10/16**
Date Completed **8/10/16**

9. DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.
Name **Bruce MacKay Pump & Well Service, Inc.** (CONTRACTOR)
Address **1600 Mt. Rose Hwy** (CONTRACTOR)
Reno, NV 89511
Nevada contractor's license number issued by the *State Contractor's Board* **23096**
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* **2299**
Signed
By driller performing actual drilling on site or contractor
Date **9/4/2016**

2016 NOV -1 AM 11:20
STATE ENGINEERS OFFICE

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

NAD 27: 39.391718, -119.801976
Plugs unknown well log 5876

Forms Provided by Forms-On-A-Disk · (214) 340-9429 · FormsOnADisk.com

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

19203

Log No. 5876
Rec. May 17, 1961
Well No.
Permit No. 19203.
Do not fill in

Owner Donna A. Curtis Driller J. C. Faretto & Son

Address 2010 Ives Avenue; Reno, Nev. Address 736 Humboldt St; Reno Lic. No. 2

Location of well: SE ¼ SW ¼ Sec. 25, T. 18 N/S, R 19 E, in Mt. Rose, Washoe County

or 2½ miles west on Mt. Rose Hwy from Reno-Carson Hwy then north of Whites Creek.

Water will be used for Domestic & irrigation Total depth of well 102'-00"

Size of drilled hole 8 inch Weight of casing per linear foot 16.90 Lbs.

Thickness of casing .188 of an inch Temp. of water 54°

Diameter and length of casing 8 5/8 O.D. 3'-00", 4'-05", 7'-06", 8'-00", 9'-10" & 24'-00" lengths
(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 9'-08"

If flowing well describe control works
(Type and size of valve, etc.)

Date of commencement of well April 17, 1961 Date of completion of well May 10, 1961

Type of well rig Speed Star 71 Cable Tool Rig

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	10	10	Yellow clay with coarse sand & gravel. Boulders.
10	18	8	Yellow clay with rocks, sand & gravel.
18	24	6	1st. water. Water level 15'-00". Fine to coarse sand & gravel with yellow clay.
24	26	2	Boulder.
26	29	3	Rocks.
29	39	10	Yellow clay with coarse sand & gravel a few rocks. No water.
39	50	11	2nd water. Water level 15'-00". Water. Yellow clay with fine to coarse sand & large gravel. Rocks.
50	60	10	Yellow clay with coarse sand & gravel. Rocks
60	65	5	3rd water. Water level 15'-09". Water. Coarse gravel, stony with clay.

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 60 to 65 ft.

Other aquifers 39 to 50

90 to 103

First water at 18 feet.

Casing perforated

from to ft.

Size of perforations

Plugged By Well Log 126229

919

LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
65	75	10	Yellow clay with rocks fine to coarse sand & gravel.
75	80	5	4th water. Water level 16'-04". Little water. Fine silty sand.
80	85	5	Yellow clay with fine to coarse sand. Rocks.
85	90	5	Rocks, Cemented material. Hard.
90	103	13	5th water. Fine to coarse sand, large gravel, stony. Rocks.

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
8 5/8 O.D.	0'-03"	100'-00"	100'-03"	8 5/8" black pipe. Welded with 1/4"x3" couplings. Short pattern drive shoe.

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

Material mostly granite sand, some black & pink colored. Gravel washed & smooth. There seems to be much water here. General formation is loose, stony & large gravel. Cleaned & bailed well 20 gal. per minute 25 ft. bailing level.

WELL DRILLER'S STATEMENT

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

Signed J.C. Faretto & Son
Well Driller

By Harold J. Faretto

License No. 2

Dated May 16, 1961

(Not to be filled in by Driller)

1961 MAY 17 AM 8 52

STATE ENGINEER
OFFICE

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

PRINT OR TYPE ONLY

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

OFFICE USE ONLY
Log No. 125350
Permit No.
Basin 088

NOTICE OF INTENT NO. 73441

1. OWNER **Larry Prudon**
MAILING ADDRESS **15800 Fawn Lane**
SW Reno NV 89511

ADDRESS AT WELL LOCATION **15800 Fawn Lane**
Reno NV 89511
Subdivision Name: County: **Washoe**

2. LOCATION ~~NE~~¼**SW**¼ Sec**36** T**18**N/S R**19**E
PERMIT/WAIVER NO. **150-242-10** (Issued by Water Resources / Parcel No.)
Latitude **39.377494** Longitude **-119.804260**
UTM E ☐ NAD 27
N ☒ NAD 83/WGS 84

3. WORK 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 **Mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Gravely Brown Clay		160	205	45
Red Brown Volcanic		205	242	37
Broken Volcanic Gray		242	283	41
Broken Volcanic Gray Clay		283	300	17
Gray Clay Sand		300	338	38
Gray Clay Sand Layers		338	400	62

Washoe Co. Permit #WL160034

Date started: 4/27, 20 16
Date completed: 4/28, 20 16

9. WELL CONSTRUCTION
Depth Drilled **400** Feet Depth Cased **400** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 1/8 Inches	**160** Feet	**400** Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5	**10.79**	**.188**	**140**	**400**

Perforations:
Type of perforation **Factory**
Size of perforation **.060 Double perf.**

From	**340** feet to	**400**	feet
From	**240** feet to	**260**	feet
From	**180** feet to	**200**	feet
From	feet to		feet
From	feet to		feet

Annular Seal: ☐ Yes ☒ No

☐ Neat Cement	to	☐ Pumped	☐ Poured
☐ Cement Grout	to	☐ Pumped	☐ Poured
☐ Concrete Grout	to	☐ Pumped	☐ Poured
☐ ≥30% Bentonite Grout	to	☐ Pumped	☐ Poured
Gravel Pack: ☐ Yes ☒ No	to	☐ Pumped	☐ Poured
Type:			
Bentonite Chips: ☐ Yes ☒ No	to	☐ Pumped	☐ Poured
Type:			

7. Water Level
Static water level: **70'** feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: **59** °F
Quality: **not tested**

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Air	**20**		**3**
		NAD 27	
		39.377584	
		119.803239	

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name **Bruce MacKay Pump & Well Service, Inc.** (CONTRACTOR)
Address **1600 Mt. Rose Hwy** (CONTRACTOR)
Reno, NV 89511
Nevada contractor's license number issued by the *State Contractor's Board* **23096**
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* **1790**
Signed (By driller performing actual drilling on site or contractor)
Date **5/10/16**

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

Forms Provided by Forms-On-A-Disk · (214) 340-9429 · FormsOnADisk.com

Deepening well log 19502

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

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 19502
Permit No.
Basin 88

1. OWNER MT. VIEW CONST. ADDRESS 15800 FAWN LN.

S1/2 NE1/4 SW1/4 SW1/4

2. LOCATION ¼ ¼ Sec. 36 T. 18N (N)S R. 19 E. WASHOE County
PERMIT NO.

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

Material	Water Strata	From	To	Thickness
OVERBURDEN-SAND		0	4	4
SAND & CLAY		4	55	51
BOULDERS-SAND & CLAY		55	100	45
SMALL GRAVEL & CLAY		100	120	20
LARGE GRAVEL & CLAY	120	120	140	20
T.D. = 140				
Deepened by Well Log 125350				

8. 10⅝ TO 50' WELL CONSTRUCTION
Diameter hole 8 3/4 inches Total depth 140 feet
Casing record 6 5/8
Weight per foot 12.9 Thickness .156

Diameter	From	To
6 5/8 inches	0 feet	140 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☒ No ☐ Type CONCRETE
Depth of seal 50' feet
Gravel packed: Yes ☒ No ☐
Gravel packed from 50 feet to 140 feet

Perforations:
Type perforation FACTORY
Size perforation 1/32 - 3
From 120 feet to 140 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level 70 Feet below land surface
Flow 15 G.P.M.
Water temperature COLD ° F. Quality GOOD

Date started 3-20- , 1979
Date completed 3-20- , 1979

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
BLEW WELL FOR 1½ HRS. TO DEVELOP			
650 C.F.M. - 250 P.S.I.			

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

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

Name AAA DRILLING & WELL SERVICE INC.
Address P.O. BOX 2143
Nevada contractor's license number 15291
Nevada driller's license number 1062
Signed Edward A. Harrison
Date 3-20-79

USE ADDITIONAL SHEETS IF NECESSARY

5471

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

OFFICE USE ONLY
Log No. 126221
Permit No.
Basin No. 087

PRINT OR TYPE IN BLACK INK 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. 74442
WELL NAME (if applicable)

1. OWNER/CLIENT NAME James Greenhalgh
MAILING ADDRESS 1900 Foothill RD Reno NV 89511

DETAILED ADDRESS AT WELL LOCATION 1900 Foothill RD Reno NV 89511
Subdivision Name: County: Washoe

2. PLS LOCATION SW ¼ NW ¼ 18 Sec 19 N/S 20 E
PERMIT/WAIVER NO. 64491.14
Issued by Water Resources Current Parcel No.

Latitude 39.428561 UTM E NAD 27
Longitude 119.785927 UTM N ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☐ New Well ☐ Deepen: Orig WL#
☒ Replacement: Original well log # 16608
☐ Recondition: Original well log #

4. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☒ Rotary ☐ RVC
☐ Air ☒ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Dirt & Gravel			0	48	48
Cobbles			48	74	26
Boulder			74	83	9
Cobbles & Gravel			83	191	108
Multi Colored Fractured Rock			191	225	34

NAD 27
39.428660
119.784805

Date started. 8-24 , 20 16
Date completed: 8-30 , 20 16

9. WELL CONSTRUCTION
Depth Drilled: 225 Feet Depth Cased: 225 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12¼	Inches	0	Feet	225	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8		.188	+2	225

PERFORATIONS:
Type of perforation: Factory Cut
Size of perforation: 3/32
From 225 Feet To 185 Feet
From 165 Feet To 145 Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal		to		
☐ Neat Cement		to	☐ Pumped	☐ Poured
☒ Cement Grout	0	to 126	☒ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☐ Bentonite Chips		to	☐ Pumped	☐ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	126	to 225	☒ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

7. WATER QUALITIES
Static water level: 85 Feet below land surface
Artesian Flow: No G.P.M. 25+ P.S.I.
Water Temperature: 62 ° Fahrenheit
Water Quality: Clear

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
25+		4

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name BLAIN DRILLING & PUMP CO INC.
Address P.O. Box 1255 Carson City, NV 89702

Nevada contractor's license number as issued by the *State Contractor's Board*: 46498A
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller)*: 2514

Signed: Bob Gallina
By driller performing actual drilling on site or contractor
Date: 9-1-16

(Rev. 08-12)
(NSPO Rev 11-12)
USE ADDITIONAL SHEETS IF NECESSARY
Replaces Well log 16608
(O) 627

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

OFFICE USE ONLY
Log No. 126220
Permit No.
Basin 087

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

1 OWNER James Greenhalgh
MAILING ADDRESS 1900 foothill RD
Reno NV 89511

ADDRESS AT WELL LOCATION 1900 foothill RD
NOTICE OF INTENT NO. 73569

2 LOCATION SW NW ¼ Sec 18 T 18 N/S R 20 E
Subdivision Name: County: Washoe
PERMIT/WAIVER No. 6Y4:391-14 Issued by Water Resources Parcel No.
Latitude 39.428593 Longitude 119.78582
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84

3 TYPE OF WELL
☒ Domestic ☐ Municipal/Industrial ☐ Irrigation ☐ Monitor ☐ Test ☐ Stock

Is this well being plugged because a replacement well was drilled? Yes
If yes, what is replacement well NO#? 7442

Is there an existing well log? Yes
If yes, what is NDWR well log #? 16608

4 EXISTING WELL CONSTRUCTION
Depth Drilled 75 Feet Depth Cased 75 Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6⅝	.13	.188	+1	75

Existing Perforations:
Type of perforation Factory Mill
Size of perforation 18x2.5

From		feet to		feet
From		feet to		feet
From	55	feet to	75	feet
From		feet to		feet
From		feet to		feet

5 WATER LEVEL
Static water level 68 feet below land surface
Artesian flow Dry G.P.M. 2 P.S.I.
Water temperature 60 °F Quality clear

6 Additional Notes or Comments
TYPE OF WELL CONSTRUCTION: DRILLED
SEC TWP RNG: SEC 18 T18N R20E
DATUM: NAD27
LAT/LONG: 39.428682°N 119.784735°W

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no
Was the casing over drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations
Type of perforater used: Mikes knife

From		feet to		feet Number of perfs per linear foot
From	55	feet to	50	feet Number of perfs per linear foot 4
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot

8 WELL PLUGGING MATERIALS

			Material Used		
From		feet to	feet	☐ Pumped	☐ Poured
From	0	feet to	75 feet	Cement grout ☒ Pumped	☐ Poured
From		feet to	feet	☐ Pumped	☐ Poured
From		feet to	feet	☐ Pumped	☐ Poured
From		feet to	feet	☐ Pumped	☐ Poured
From		feet to	feet	☐ Pumped	☐ Poured

Neat Cement Fluid Weight lbs/gal
Bentonite Grout % bentonite
Date Started 9/23/16
Date Completed 9/23/16

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.
Name Blain Drilling Contractor
Address PO 1255 CC NV 89702 Contractor
Nevada contractor's license number issued by the State Contractor's Board 46498A
Nevada driller's license number issued by the Division of Water Resources the on-site driller 2134
Signed By driller performing actual drilling on-site or contractor
Date 9/27/16

(Rev 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

Plugs Well log 16608

(NSPO 3-08)

(O) 627A

DIVISION OF WATER RESOURCES

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 16608
Permit No.
Basin

1. OWNER Jim Greenhalgh ADDRESS 912 Plumas Reno, Nevada 89509

2. LOCATION ¼ ¼ Sec. 18 T. 18N N/S R. 20 E. Washoe County
PERMIT NO. 1900 Foothill Road, Southwest Reno.

3. TYPE OF WORK
New Well ☒ Recondition ☐
Deepen ☐ Other ☐

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

5. TYPE WELL
Cable ☐ Rotary ☒
Other ☐ AIR

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Top soil & brown clay		0	17	17
Brown clay gravel size up to 1/8"		17	26	9
Med. grain brown decomposed granite sand & fine sands		26	47	21
Med Grain sands & ¼ to ½ gravels		47	75	28
Replaced By Well Log 126221				
Plugged By Well log 126220				

Date started 5-21-77, 19
Date completed 5-21-77, 19

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
AIR BLOWN:	17 GPM @	50' depth	

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 6 inches Total depth 75 feet
Casing record 0 - 75' x 6 5/80D
Weight per foot 12.89 Thickness .188

Diameter	From	To
10 inches	0 feet	50 feet
8½ inches	50 feet	75 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☒ No ☐ Type transit mix
Depth of seal 50 feet
Gravel packed: Yes ☐ No ☒
Gravel packed from feet to feet

Perforations:
- Type perforation factory mill slot
Size perforation 1/8 x 2½"

From 55 feet to 75 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level 28 Feet below land surface
Flow G.P.M.
Water temperature cold ° F. Quality not tested

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

Name W.L. McDonald & Co.
Address P.O. Box 404; Sparks, NV 89431
Nevada contractor's license number 9767
Nevada driller's license number 805
Signed Tony Betita by W.L. McDonald
Tony Betita By: W.L. McDonald
Date 26 May, 1977

USE ADDITIONAL SHEETS IF NECESSARY

5471

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

OFFICE USE ONLY
Log No. 126302
Permit No.
Basin 087

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. 72143
WELL NAME (If applicable.) Trans Sierra East

1 OWNER Truckee Meadows water Authority
MAILING ADDRESS 1355 Capital Blvd
Reno, NV. 89439

ADDRESS AT WELL LOCATION 1500' north east of Geiger Grade Rd.
on Wester Skies Drive Reno, NV.
Subdivision Name County Washoe

2 LOCATION SW ¼ NW ¼ Sec. 27 T. 18N N/S R. 20 E/W
PERMIT/WAIVER No. 140-051-23 (issued by NDWR) Parcel No.

Latitude 39 23.995N
Longitude 119 43.957W
UTM E
N
☐ NAD 27 ☒ NAD 83/WGS 84

3 TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? no
If yes, what is replacement well NOI?

Is there an existing well log? yes
If yes, what is NDWR well log #? 11246

4 EXISTING WELL CONSTRUCTION
Depth Drilled 108 Feet Depth Cased 108 Feet

EXISTING CASING SCHEDULE

Size O.D. (inches)	Weight/Ft. (Pounds)	Wall Thickness (inches)	From (Feet)	To (Feet)
12		.188	0	108

Existing Perforations
Type of perforation mill slot
Size of perforation 3" long X 3/32"

From	50	feet to	104	feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet

5 WATER LEVEL
Static water level 78.6' feet below land surface
Artesian flow G.P.M. P.S.I
Water temperature °F Quality

6 Additional Notes or Comments

Removed 100' of 6" turbine pump from well. Measured static water level at 78.6' and depth of well at 104'. Attempted to bail debris from well but could not retreive any debris. Installed 12" Mills Knife to 50', but could not perforate due to exisiting 50' sanitary seal. Installed 94' of 2" tremme pipe and pumped in approximately 4 yards. Of 7 sack sand slurry from bottom of well to surface. 12" casing was then cut off 12" below surface.

Washoe County Permit # WL 160018

NAD 27
39.400005°N
119.731598°W

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why.

Was the well contaminated? ☐ yes ☐ no
Was the casing pulled? ☐ yes ☒ no If pulled from: feet to feet
Was the casing over drilled? ☐ yes ☐ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations
Type of perforater used: Mills Knife

From	50	feet to	0	feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet

Number of perfs per linear foot 4
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot
Number of perfs per linear foot

8 WELL PLUGGING MATERIALS

				Material Used		
From	104	feet to	0	feet	7sack sand	☒ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured
From		feet to		feet		☐ Pumped ☐ Poured

Neat Cement Fluid Weight lbs/gal
Bentonite Grout % bentonite
Date Started 8/16/2016
Date Completed 8/17/2016

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Carson Pump, LLC (Contractor)
Address P.O. Box 20159 Carson City, NV. 89721 (Contractor)
Phone 775-888-9926

Nevada contractor's license number issued by the State Contractor's Board 39920
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1482
Signed (By driller performing actual drilling on site or contractor)
Date 9/29/2016

(Rev 04-16)

USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

Plugs Well log 11246

DIVISION OF WATER RESOURCES

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 112[illegible]
Permit No. 25499
Basin Truckee Meadows

1. OWNER Trans Sierra Water ADDRESS 16000 Geiger Grade Rd Reno, Nev

2. LOCATION ~~NE~~ SW ¼ ~~SW~~ NW ¼ Sec. ~~15~~ 27 T. 18 N/S R. 20 E. Washoe County
PERMIT NO.

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

Material	Water Strata	From	To	Thickness
Hard Pan		0	10	10
Clay & Decomposed		10	44	34
Clay		44	61	17
Sand & Gravel		61	68	7
Clay		68	70	2
Sand & Gravel		70	76	6
Clay		76	95	19
Sand & Gravel		95	105	10
Clay		105	108	3

Plugged By Well log 126302

Date started 10-6-70, 19
Date completed 10-9-70, 19

7. WELL TEST DATA

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

BAILER TEST
G.P.M. 60 Draw down 63 feet hours
G.P.M. Draw down feet hours
G.P.M. Draw down feet hours

8. WELL CONSTRUCTION
16" = 50
Diameter hole 12" = 58 inches Total depth 108 feet
Casing record 12" WWC
Weight per foot Thickness

Diameter	From	To
12" inches	0 feet	108 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☑ No ☐ Type Concrete
Depth of seal 50 feet
Gravel packed: Yes ☐ No ☐
Gravel packed from feet to feet

Perforations:
Type perforation Factory
Size perforation 3 X 3/32
From 50 feet to 104 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level 58 Feet below land surface
Flow G.P.M.
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 W. E. Blain
Address Box 255 C.C. Nev 89701
Nevada contractor's license number 5259
Nevada driller's license number 585
Signed Bill Pulliam
Date 10-20-70

USE ADDITIONAL SHEETS IF NECESSARY

5471

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

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

OFFICE USE ONLY
Log No. 126301
Permit No.
Basin 087

NOTICE OF INTENT NO. 72144
WELL NAME (If applicable): Trans Sierra East

1 OWNER Truckee Meadows water Authority
MAILING ADDRESS 1355 Capital Blvd.
SW Reno, NV. 89439

ADDRESS AT WELL LOCATION 1,250' north east of Geiger Grade Rd. on Wester Skies Drive Reno, NV.
Subdivision Name County Washoe

2 LOCATION NE ¼ NW ¼ ¼ Sec 27 T 18N N/S R 20 E
PERMIT/WAIVER No M/O-2054 140-051-23
Issued by Water Resources Parcel No.

Latitude 39 .3999263 N
Longitude 119.732604 W
UTM E
N
☐ NAD 27
☒ NAD 83/WGS 8

3 TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? no
If yes, what is replacement well NOI?

Is there an existing well log? yes
If yes, what is NDWR well log #? 10947

4 EXISTING WELL CONSTRUCTION
Depth Drilled 188 Feet Depth Cased 180 Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
12		.188	0	180
2		sch.40	0	140

Existing Perforations
Type of perforation: original well mill slot/ 2" horz. Slot
Size of perforation: original slot1/8" X 3" / 2" pvc .020

From	80	feet to	140	feet
From	160	feet to	180	feet
From		feet to		feet
From	80	feet to	140	feet
From		feet to		feet

5 WATER LEVEL
Static water level 80.3' feet below land surface
Artesian flow G.P.M. P.S.I
Water temperature °F Quality

6 Additional Notes or Comments

147' of 4" drop pipe and submersible pump removed from well in Oct. of 2015. Well was filled with gravel pack and could not get well cleaned to be used. TMWA decided to convert to a 2" monitor well. We installed tremme pipe to 147' and pumped in a neat cement seal from 148' to 140'. After cement cured, we installed a 1' gravel layer. We then installed 60' of 2", sch. 40 pvc screen with .020 slots and installed 80' of 2" sch. 40 blank casing. We gravel packed the screen from 140' to 75' with 3/8" gravel, placed a 2' bentonite seal on top of the gravel pack from 75' to 73'. The following day we pumped in a 7 sack sand slurry from 73' to surface. The well was developed with a 1-1/2" bailer and a traffic box was installed.

Washoe County Permit #WL160017

Division of Water Resources Waiver #M/O-2054

NAD 27
39.400005°N
119.731998°W

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☐ no
Was the casing pulled? ☐ yes ☒ no If pulled from: feet to feet
Was the casing over drilled? ☐ yes ☐ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations
Type of perforater used.

From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	
From	feet to	feet	Number of perfs per linear foot	

8 WELL PLUGGING MATERIALS

				Material Used		
From	73	feet to	surface feet	7 sack sand slurry	☒ Pumped	☐ Poured
From	148	feet to	140 feet	neat cement	☒ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 14.5 lbs/gal
Bentonite Grout % bentonite
Date Started 8/30/2016
Date Completed 9/1/2016

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Carson Pump, LLC (Contractor)
Address P.O. Box 20159 Carson City, NV. 89721 (Contractor)
Phone 775-888-9926

Nevada contractor's license number issued by the State Contractor's Board 39920
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1482
Signed (By driller performing actual drilling on site or contractor)
Date 9/29/2016

USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

Reconditions Well log 10947

DIVISION OF WATER RESOURCES

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 10947
Permit No. 25499 25891
Basin Truckee Meadows

1. OWNER Trans Sierra Water Service ADDRESS 1600 Geiger Grade Road Reno Nevada

2. LOCATION NE ¼ SW ¼ Sec. 27 T. 18 N/S R. 20 E. Washoe County
PERMIT NO.

3. TYPE OF WORK				4. PROPOSED USE					5. TYPE WELL			
New Well	☑	Recondition	☐	Domestic	☐	Irrigation	☐	Test	☐	Cable	☐	Rotary ☑
Deepen	☐	Other	☐	Municipal	☑	Industrial	☐	Stock	☐	Other	☐	

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Gravel & Boulders.		0	3	3
Gravel & Boulders		3	15	12
Sandy Clay		15	18	3
Cemented Gravel w/ Granite Boulders &				
Scattered Clay Stringers		18	40	22
Sandy Clay.		40	43	3
Sandy Clay w/scattered				
Gravel Strips & Boulders		43	68	25
Clay w/ sc Gravel Stripes				
& Boulders		72	82	10
(Very Hard Granite)		68	72	4
Sand & Gravel		82	86	4
Gravel & Sand Stringers		86	110	24
Sandy Clay		110	120	10
Granite		120	121	1
Cemented Gravel w/				
Scattered Granite		121	137	16
Boulders broken				
Sandy Clay w scattered				
Sand and Gravel				
Stringers & Scattered				
Boulders.		137	188	51
Reconditioned By Well				
Log 126301				

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

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
	300	20	10
	500	30	16

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 12 inches Total depth 188 feet
Casing record
Weight per foot Thickness .250

Diameter		From		To	
12	inches	0	feet	180	feet
	inches		feet		feet
	inches		feet		feet
	inches		feet		feet
	inches		feet		feet
	inches		feet		feet

Surface seal: Yes ☑ No ☐ Type Cement
Depth of seal 50 feet
Gravel packed: Yes ☐ No ☐
Gravel packed from 50 feet to 188 feet

Perforations:
Type perforation Factory Cut
Size perforation 18" x √3"
From 80 feet to 140 feet
From 160 feet to 180 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL

Static water level 65' Feet below land surface
Flow G.P.M.
Water temperature 66 ° F. Quality

10. DRILLERS CERTIFICATION

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

Name Reno Pump & Supply Co
Address 7468 So Virginia St. Reno
Nevada contractor's license number 5307
Nevada driller's license number 285
Signed J. M. Glenn.
Date March 19, 1970

USE ADDITIONAL SHEETS IF NECESSARY

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

OFFICE USE ONLY
Log No. 126366
Permit No.
Basin 087

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

1 OWNER Washoe County Community Services
MAILING ADDRESS P.O. Box 11130
Reno NV 89520

ADDRESS AT WELL LOCATION Rno

NOTICE OF INTENT NO. 74510

Subdivision Name. County: Washoe

2 LOCATION SW ¼ SW ¼ Sec 5 T 19 N S R 20 E
PERMIT/WAIVER No. Issued by Water Resources Parcel No.

Latitude 39° 32' 14"
Longitude 119° 46' 4"

UTM E N
☐ NAD 27
☑ NAD 83/WGS 84

3 TYPE OF WELL
☐ Domestic ☐ Municipal/Industrial ☐ Irrigation ☑ Monitor ☐ Test ☐ Stock

Is this well being plugged because a replacement well was drilled? no
If yes, what is replacement well NO!?

Is there an existing well log? 119608
If yes, what is NDWR well log #? yes

4 EXISTING WELL CONSTRUCTION
Depth Drilled 15' Feet Depth Cased 15' Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.375	5.03#	0.218	15'	1'

Existing Perforations:
Type of perforation Factory slots
Size of perforation n/a

From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet
From		feet to		feet

5 WATER LEVEL
Static water level No water feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature °F Quality

6 Additional Notes or Comments
well # DS-AS607
Attempt to pull casing, cement in place
DCNR/DWR/SNSC
RECEIVED
SEP 30 2016
NAD27
39.537311
119.766755

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☑ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☑ no
Was the casing pulled? ☐ yes ☑ no
Was the casing over drilled? ☐ yes ☑ no
If casing was left in place, please show where additional perforations were made:
Additional Perforations:
Type of perforater used: N/A

From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot
From		feet to		feet Number of perfs per linear foot

8 WELL PLUGGING MATERIALS

			Material Used		
From 15	feet to 0	feet	neat cement	☑ Pumped	☐ Poured
From	feet to	feet		☐ Pumped	☐ Poured
From	feet to	feet		☐ Pumped	☐ Poured
From	feet to	feet		☐ Pumped	☐ Poured
From	feet to	feet		☐ Pumped	☐ Poured
From	feet to	feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 94 lbs/gal 5.2
Bentonite Grout % bentonite
Date Started 9-27-16
Date Completed 9-30-16

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.
Name Cascade Drilling Contractor
Address 4590 Copper Sage Dr Contractor
Las Vegas, NV 89115
Nevada contractor's license number issued by the State Contractor's Board 0073966
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2372
Signed By driller performing actual drilling on-site or contractor
Date 9-30-16

(Rev 05-16)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) Plugs Well log 119608

(O) 627A

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

OFFICE USE ONLY
Log No. 126367
Permit No.
Basin 087

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

1 OWNER Washoe County Community Services
MAILING ADDRESS PO Box 11130
Reno NV 89520

ADDRESS AT WELL LOCATION ROW

NOTICE OF INTENT NO. 74510

Subdivision Name: County: Washoe

2 LOCATION SW ¼ SW ¼ Sec 5 T 19 N/S R 20 E
PERMIT/WAIVER No. Issued by Water Resources Parcel No.

Latitude 39° 32' 12"
Longitude 119° 46' 9"
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84

3 TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? no
If yes, what is replacement well NOI?

Is there an existing well log? 119607
If yes, what is NDWR well log #? yes

4 EXISTING WELL CONSTRUCTION
Depth Drilled 15 Feet Depth Cased 15 Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.375	5.50	0.218	15'	1'

Existing Perforations:
Type of perforation Factory Slots
Size of perforation N/A

From feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

5 WATER LEVEL
Static water level no feet below land surface
Artesian flow n/a G.P.M. n/a P.S.I.
Water temperature °F Quality

6 Additional Notes or Comments
Well DS-A5606
Attempt to pull casing, cement in place

DCNR/DWR/SNBC
RECEIVED
SEP 30 2016

NAD27
39.536756
119.766755

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no
Was the casing over drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations:
Type of perforater used: N/A

From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot

8 WELL PLUGGING MATERIALS
Material Used

From 15 feet	to 0 feet	Neat Cement	☒ Pumped	☐ Poured
From feet	to feet		☐ Pumped	☐ Poured
From feet	to feet		☐ Pumped	☐ Poured
From feet	to feet		☐ Pumped	☐ Poured
From feet	to feet		☐ Pumped	☐ Poured
From feet	to feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 94 lbs/gal 5.2
Bentonite Grout % bentonite

Date Started 9-27-16
Date Completed 9-29-16

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Cascade Drilling (Contractor)
Address 4490 Copper Sage Dr (Contractor)
Las Vegas NV 89115
Nevada contractor's license number issued by the State Contractor's Board 0077946
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2372

Signed (By driller performing actual drilling on-site or contractor)
Date 9-30-16

(Rev. 09/06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08)

Plugs Well log 119607

(O) 627A

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

OFFICE USE ONLY
Log No. 126713
Permit No.
Basin 087

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. 74510

1 OWNER Washoe County Community Services
MAILING ADDRESS PO Box 11130
Reno NV 89520

ADDRESS AT WELL LOCATION ROW
Subdivision Name: County: Washoe

2 LOCATION SW ¼ SW ¼ Sec 5 T 19 N/S R 20 E
PERMIT/WAIVER No. [redacted]
Issued by Water Resources Parcel No.

Latitude ~~39 32 12~~ UTM-E 39.536667 NAD 27
Longitude ~~119 46 7~~ N -119.76811 NAD 83/WGS 84

3 TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? no
If yes, what is replacement well NOI?

Is there an existing well log? yes
If yes, what is NDWR well log #? 118916

4 EXISTING WELL CONSTRUCTION
Depth Drilled 15 Feet Depth Cased 15' Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.375	5.02	0.218	1	15

Existing Perforations:
Type of perforation Factory slots
Size of perforation N/A

From ____ feet to ____ feet (×5)

5 WATER LEVEL
Static water level 40 water feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature N/A °F Quality

6 Additional Notes or Comments

Well # DS-A5605

Attempt to pull casing, cement in place

DCNR/DWR/SNBO
RECEIVED
SEP 30 2016

NAD 27
39.536756
119.767588

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ yes ☐ no
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no
Was the casing over drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:

Additional Perforations:
Type of perforater used: N/A

From ____ feet to ____ feet Number of perfs per linear foot ____ (×7)

8 WELL PLUGGING MATERIALS

			Material Used		
From 15	feet to 1	feet	neat cement	☒ Pumped	☐ Poured
From ____	feet to ____	feet		☐ Pumped	☐ Poured
From ____	feet to ____	feet		☐ Pumped	☐ Poured
From ____	feet to ____	feet		☐ Pumped	☐ Poured
From ____	feet to ____	feet		☐ Pumped	☐ Poured
From ____	feet to ____	feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 94 lbs/gal 5.2
Bentonite Grout % bentonite

Date Started 9-27-16
Date Completed 9-20-16

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Cascade Drilling (Contractor)
Address 4590 Copper Sage Dr (Contractor)
Las Vegas NV 89115
Nevada contractor's license number issued by the State Contractor's Board 0073966
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2772

Signed [signature] (By driller performing actual drilling on-site or contractor)
Date 9-30-16

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) Plugs Well log 118916

(O) 627A