

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

OFFICE USE ONLY  
Log No. 1175516  
Permit No. 83509  
Basin No. 1716

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. 69692  
WELL NAME (if applicable): \_\_\_\_\_

1. OWNER/CLIENT NAME Steve Neff  
MAILING ADDRESS HC 60 Box 575  
Ruby Valley, NV 89833

DETAILED ADDRESS AT WELL LOCATION Ruby Valley, off State Hwy 229  
Subdivision Name: \_\_\_\_\_ County: Elko

2. PLS LOCATION NE 1/4 SE 1/4 1510 Sec 32N N/S 80 E  
PERMIT/WAIVER NO. 83509  
Issued by Water Resources Current Parcel No.

Latitude W115°10.782 UTM E  NAD 27  
Longitude N40°39.113 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

6. LITHOLOGIC LOG					
Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
sand & gravel		X	0	40	40
sandstone			40	44	4
gravel		X	44	48	4
sandstone			48	70	22
sand & gravel		x	70	80	10
sandstone			80	98	18
tan clay			98	108	10
gravel			108	111	3
sand & gravel		X	115	120	5
clay			120	127	7
gravel		X	127	135	8
tan clay			135	138	3
sand & gravel		x	138	148	10
clay			148	150	2
sandstone			150	170	20
sand & gravel		x	170	194	24
clay			194	198	4
sandstone			198	208	10
sand & gravel		x	208	241	33
tan clay			241	245	4
gravel		x	245	253	8
sandstone			253	305	52
siltstone			305	311	6
fractures		x	311	325	14
siltstone			325	335	10

9. WELL CONSTRUCTION  
Depth Drilled: 420 Feet Depth Cased: 420 Feet  
HOLE DIAMETER (BIT SIZE)  
From 16 Inches To 420 Feet  
Inches Feet  
Inches Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16		.250	+2	420

PERFORATIONS:  
Type of perforation: mill slot  
Size of perforation: 3/16x3  
From 100 Feet To 120 Feet  
From 140 Feet To 160 Feet  
From 180 Feet To 200 Feet

ANNULAR MATERIALS  
 Sanitary Seal 0 to 100  
 Neat Cement 0 to 100  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  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. ] 100 to 420  Pumped  Poured  
 Sand Pack [ < 0.2 in. ] \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Other, explain: \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

GO TO PAGE 2  
Date started: 17-Jun , 20 13  
Date completed: 16-Jul , 20 13

7. WATER QUALITIES  
Static water level: 300 Feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: cool ° Fahrenheit  
Water Quality: \_\_\_\_\_

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision. This report is true to the best of my knowledge.  
Name Alternative Drilling Co LLC Contractor  
Address P.O. Box 281166, Lamoille, NV 89828 Contractor  
Nevada contractor's license number as issued by the State Contractor's Board: 73955  
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2480  
Signed: [Signature]  
By driller performing actual drilling on site or contractor  
Date: 8-7-13

8. WELL TEST DATA

Test Method:	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift			
	<u>1000+</u>	<u>95.80N</u>	<u>4</u>
	<u>NAD 27 40.65</u>	<u>115.1798 20.0W</u>	

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

OFFICE USE ONLY  
Log No. 117556  
Permit No. 82509  
Basin No. 170

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. 69692  
WELL NAME (if applicable): \_\_\_\_\_

1. OWNER/CLIENT NAME Neff, Steve PAGE 2  
MAILING ADDRESS HC 60 Box 575  
Ruby Valley, NV 89833

DETAILED ADDRESS AT WELL LOCATION Ruby Valley, off State Hwy 229  
Subdivision Name: \_\_\_\_\_ County: Elko

2. PLS LOCATION ¼ ¼ Sec N/S E  
PERMIT/WAIVER NO. \_\_\_\_\_  
*Issued by Water Resources Current Parcel No.*

Latitude \_\_\_\_\_ UTM E \_\_\_\_\_  NAD 27  
Longitude \_\_\_\_\_ 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

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thick-ness
PAGE 1 continued					
Fractures		X	335	338	3
sand & gravel		x	338	343	5
tan clay			343	353	10
Fractures		x	353	368	15
tan clay			368	370	2
sand & gravel		x	370	405	35
clay			405	414	9
gravel		x	414	418	4
clay			418	420	2
Additional Perforations:					
From: 340-360					
From 400-420					

9. WELL CONSTRUCTION  
Depth Drilled: \_\_\_\_\_ Feet Depth Cased: \_\_\_\_\_ Feet  
HOLE DIAMETER (BIT SIZE)  
From \_\_\_\_\_ To \_\_\_\_\_  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

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

PERFORATIONS:  
Type of perforation: mill slot  
Size of perforation: 3/16x3  
From 220 Feet To 240 Feet  
From 260 Feet To 280 Feet  
From 300 Feet To 320 Feet

ANNULAR MATERIALS  
 Sanitary Seal \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  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. ] \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Other, explain: \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Date started: \_\_\_\_\_, 20\_\_\_\_  
Date completed: \_\_\_\_\_, 20\_\_\_\_

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

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision. This report is true to the best of my knowledge.  
Name Alternative Drilling Co LLC Contractor  
Address P.O. Box 281166, Lamoille, NV 89828 Contractor

8. WELL TEST DATA

Test Method:	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

Nevada contractor's license number as issued by the State Contractor's Board: 73955  
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): \_\_\_\_\_  
Signed: Malcolm Smith  
By driller performing actual drilling on site or contractor  
Date: 8-7-13