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

**OFFICE USE ONLY**
Log No. 125317
Permit No.
Basin No. 049

**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. 72106
WELL NAME (if applicable): 22

1. OWNER/CLIENT NAME Union Pacific Railroad
MAILING ADDRESS 1400 Douglas St.
Omaha, NE 68179

DETAILED ADDRESS AT WELL LOCATION Intersection of W. Commercial St + A. St
Subdivision Name County: Elko

2. PLS LOCATION SE¼ SW ¼ 15 Sec 34 N/S 55 E/W
PERMIT/WAIVER NO. n/a-2061 (issued by Water Resources) 000-036-001 (Current Parcel No)

Latitude UTM E 605,467.7930 ☐ NAD 27
Longitude UTM N 4,460,099.3513 ☐ 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 |
|---|---|---|---|---|
| top soil | | | 0 | 2 |
| Silty clay | | | 2 | 7 |
| Sandy clay w/gravel | | | 7 | 25 |
| tight clay hard | | | 25 | 30 |

Date started: 5/3 , 20 16
Date completed: 5/3 , 20 16

7. WATER QUALITIES
Static water level: 7' 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) |
|---|---|---|
| | NAD 27 | |
| | 40.828513 | |
| | 115.765650 | |

9. WELL CONSTRUCTION
Depth Drilled: 30 Feet Depth Cased: 30 Feet

HOLE DIAMETER (BIT SIZE)

| | | From | | To | |
|---|---|---|---|---|---|
| 6" | Inches | 0 | Feet | 30 | Feet |
| | Inches | | Feet | | Feet |
| | Inches | | Feet | | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 2" | | Sch 40 | 0 | 27.5 |
| | | | | |

ANNULAR MATERIALS
Sanitary Seal ☒ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| ☐ Neat Cement | | to | ☐ Pumped | ☐ Poured |
| ☒ Cement Grout | 0 | to 20 | ☐ Pumped | ☐ Poured |
| ☐ Concrete Grout | | to | ☐ Pumped | ☐ Poured |
| ☒ Bentonite Chips | 20 | to 26 | ☐ Pumped | ☐ Poured |
| ☐ Gravel Pack [ > 0.2 in. ] | | to | ☐ Pumped | ☐ Poured |
| ☒ Sand Pack [ < 0.2 in. ] | 26 | to 30 | ☐ Pumped | ☒ Poured |
| ☐ Other, explain: | | to | ☐ Pumped | ☐ Poured |

PERFORATIONS:
Type of perforation: Factory
Size of perforation: Micro bubble sparge

| From | Feet | To | Feet |
|---|---|---|---|
| 27.5 | Feet | 30 | Feet |
| | Feet | | Feet |
| | Feet | | Feet |
| | Feet | | Feet |
| | Feet | | Feet |

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name (Contractor) Environmental West Exploration
Address (Contractor) 1015 N. Yardley Spokane, WA 99211
Phone (509) 534-2740
Nevada contractor's license number as issued by the State Contractor's Board: 0028363
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2507
Signed: (Driller performing actual drilling on site or contractor)
Date: 5/31/16

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