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

OFFICE USE ONLY
Log No. 112014
Permit No. 78862
Basin 063

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. 61799

1. OWNER RUBY PIPELINE LLC
MAILING ADDRESS 2 NEVADA AVE. COLORADO SPRINGS CO, 80903

ADDRESS AT WELL LOCATION NO ADDRESS, MILE MARKER 381 RUBY PIPELINE ACCESS
Subdivision Name: County: ELKO

2. LOCATION SW ¼ SE ¼ Sec 35 T 39 ☐N/S R 46 E
PERMIT/WAIVER No. 78862 (Issued by Water Resources) NONE Parcel No.

Latitude 41.20676864 Longitude 116.74529242
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84
41.206863°N, 116.744355°W NAD27 (TR)

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	Thickness
TOP SOIL	NO	0	5	5
BROWN CLAY / BOULDERS	NO	5	30	25
BROWN CLAY / COBBLES	NO	30	50	20
BROWN CLAY / GRAVEL	NO	50	85	35
GRAVEL 1"	YES	85	100	15
SANDY CLAY	NO	100	160	60
SAND / GRAVEL	YES	160	230	70
BROWN CLAY	NO	230	240	10
RED GRAVEL / SAND	YES	240	340	100
RED ROCK	NO	340	365	25
BROKEN RED ROCK	YES	365	375	10
BROWNISH RED ROCK	NO	375	430	55
BROKEN RED ROCK	YES	430	440	10
YELLOW CLAY	NO	440	450	15
RED CLAY	NO	450	460	10
GREY CLAY	NO	460	480	20
RED CLAY	NO	480	490	10
GREY CLAY	NO	490	500	10

Date started: 8/21, 20 10
Date completed: 9/3, 20 10

9. WELL CONSTRUCTION
Depth Drilled 500 Feet Depth Cased 460 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
22	Inches	0	Feet	20	Feet
14 3/4	Inches	20	Feet	480	Feet
6 3/4	Inches	480	Feet	500	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	62.64	.375	+2	20
8 5/8	22.90	.256	+2	460

Perforations:
Type of perforation MILL SLOT 8 SLOTS / ROW 16 SLOTS / LIN FT.
Size of perforation .100 X 2" LONG
From 320 feet to 440 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 110 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 112 to 465 ☒ Pumped ☐ Poured
Type: #6
Bentonite Chips: ☒ Yes ☐ No 465 to 500 ☒ Pumped ☐ Poured
Type: 3/4 COATED PELLETS ABOVE 110-112'

7. Water Level
Static water level: 88.7 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: COLD °F
Quality: GOOD

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
AIRLIFT	110		6
PUMP	300	126.23	12

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name LAYNE CHRISTENSEN CO. (Contractor)
Address 11001 ETIWANDA AVE FONTANA, CA 92337 (Contractor)
Nevada contractor's license number issued by the State Contractor's Board 0043608
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2420
Signed (By driller performing actual drilling on-site or contractor)
Date 9/13/10

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627