STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 114215
Permit No.
Basin 153

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. 65819

1. OWNER Ruby Hill Mine PW-14
MAILING ADDRESS PO Box 676
Eureka, NV. 89316

ADDRESS AT WELL LOCATION Ruby Hill Mine
HWY 50 & SR 278, Eureka
Subdivision Name: County: Eureka

2. LOCATION NW¼NW¼ Sec14T19N/ R53E
PERMIT/WAIVER NO. 80798-T
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E 587688 ☐ NAD 27
N 4375196 ☒ 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 Flooded Rev

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Gravel		0	245	245
Quartz Felspar Porphyry		245	345	100
Clay		345	350	5
Limestone		350	410	60
Quartz Felspar Porphry		410	640	230
Limestone		640	685	45
Quartz Felspar Porphry		685	705	20
Limestone		705	740	35
Quartz Felspar Porphry		740	755	15
Limestone		755	1270	515
Quartz Felspar Porphry		1270	1876	606

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Date started: June 26, 20 11
Date completed: July 14, 20 11

9. WELL CONSTRUCTION
Depth Drilled 1876 Feet Depth Cased 1860 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	0 Feet	64 Feet
19 Inches	64 Feet	1876 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22	86.61	375	0	64
12.75	49.56	375	+2	1860
2.375	3.65	154	+1.5	1860

Perforations:
Type of perforation Louvered
Size of perforation 250 "
From 1078 feet to 1440 feet
From 1658 feet to 1860 feet
From feet to feet
From 2" 1838 feet to 1860 feet
From feet to feet

Annular Seal: ☒ Yes ☐ No

☒ Neat Cement	0	to 65	☒ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ ≥30% Bentonite Grout	65	to 160	☒ Pumped	☐ Poured
Gravel Pack: ☒ Yes ☐ No	1010	to 1876	☒ Pumped	☐ Poured
Type: 1/2" gravel				
Bentonite Chips: ☒ Yes ☐ No	160	to 1010	☒ Pumped	☐ Poured
Type: 3/8" chips				

7. Water Level
Static water level: 583 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: °F
Quality: Good

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
175-200	731	2

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear (CONTRACTOR)
Address 2745 W. California Ave. (CONTRACTOR)
S.L.C., UT. 84104
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2047
Signed
By driller performing actual drilling on site or contractor
Date July 18, 2011