STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 119224
Permit No. Order # 1198
Basin 179

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. 70634

1. OWNER KGHM - Robinson Mine RW-32
MAILING ADDRESS P.O. Box 382
Ruth, NV. 89319

ADDRESS AT WELL LOCATION Robinson Mine, Ruth, NV.
Subdivision Name: County: White Pine

2. LOCATION SW¼NE¼ Sec14T16N/ R62E
PERMIT/WAIVER NO. Order# 1198 (Issued by Water Resources) Parcel. No.

Latitude
Longitude
UTM E 676027 ☒ NAD 27
N 4346515 ☐ 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
Dump/Fill		0	140	140
Lost Circulation		140	180	40
Brown/Tan Rock		180	210	30
Grey Rock/Brown Clay		210	230	20
Sand/Gravel Mixed		230	270	40
Grey/Black Rock		270	300	30
Mixed Alluvial		300	350	50
Black Rock		350	600	250
Mixed Brown Black Rock		600	750	150
Grey/Black Rock	X	750	870	120
Grey/Green Rock	X	870	890	20
Black/Grey Rock	X	890	1610	720

Date started: November 23, 20 13
Date completed: December 30, 20 13

9. WELL CONSTRUCTION
Depth Drilled 1610 Feet Depth Cased 1600 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
38 Inches	0 Feet	150 Feet
26 Inches	150 Feet	1610 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	118.64	0.375	0	150
18	70.58	0.375	+2	797.63
18	58.94	0.3125	797.63	1600

Perforations:
Type of perforation Louvered
Size of perforation 0.125
From 797.63 feet to 1600 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 650 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 650 to 1610 ☐ Pumped ☒ Poured
Type: 1/4 X 3/8 SRI Supreme
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 835 feet below land surface
Artesian Flow: N/A G.P.M. P.S.I
Water Temperature: 50 °F
Quality: Clear

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
203	75	3

NAD27 39.25198
114.946046

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 California Ave. (CONTRACTOR)
SLC., 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 2473
Signed
By driller performing actual drilling on site or contractor
Date January 6, 2014

2014 JAN 13 PM 1:15 WATER ENGINEERS OFFICE