STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 121607
Permit No.
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. **71455**

1. OWNER **KGHM International** **REPH-9**
MAILING ADDRESS **P.O. Box 382**
Ruth, NV. 89319

ADDRESS AT WELL LOCATION **Ruth Pit, Near Ruth, NV. 89319**
Subdivision Name: *County:* **White Pine**

2. LOCATION **NE¼SW¼** Sec**14**T**16N**/ R**62E**
PERMIT/WAIVER NO. **Order # 1198**
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E **675467** ☒ NAD 27
N **4346375** ☐ 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	Thickness
Dump Fill		0	100	100
Aluvium		100	200	100
Tan and Gray Rock		200	250	50
Light Tan Rock W/Clay		250	260	10
Light Gray Rock		260	800	540
Gray Rock W/Some Clay		800	900	100
Light Gray Rock		900	1100	200
Dark Grey Rock		1100	1230	130
Black Rock		1230	1300	70

NAD 27
39.249021°N
114.965716°W

Date started: **October 3**, 20 **14**
Date completed: **November 4**, 20 **14**

7. *Water Level*
Static water level: **794** feet below land surface
Artesian Flow: **N/A** G.P.M. **N/A** P.S.I
Water Temperature: **52** °F
Quality: **Good**

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
150	**802**	**2**

9. *WELL CONSTRUCTION*
Depth Drilled **1301** Feet Depth Cased **1300** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	**0** Feet	**200** Feet
17.5 Inches	**200** Feet	**1301** Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20	**78.60**	**.375**	**0**	**200**
12.75	**49.56**	**.375**	**+2**	**1300**

Perforations:
Type of perforation **Louvered**
Size of perforation **.125**
From **500** feet to **1300** 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 50 ☒ Pumped ☐ Poured
☒ Cement Grout 50 to 475 ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 480 to 1301 ☐ Pumped ☒ Poured
Type: **3/8" X 1/2" SRI Supreme**
Bentonite Chips: ☒ Yes ☐ No 475 to 480 ☐ Pumped ☒ Poured
Type: **3/8" Sodium Bentonite**

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~~ **2486**
Signed
By driller performing actual drilling on site or contractor
Date **December 16, 2014**