STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 122704
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. **72705**

1. OWNER **KGHM International** **RE-17P**
MAILING ADDRESS **4342 W. Pine County Rd. 44**
Ruth, NV. 89319

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

2. LOCATION **NE¼NE¼** Sec**14**T**16**N/ R**62**E
PERMIT/WAIVER NO. **Order #1198**
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E **676396** ☐ NAD 27
N **4347058** ☒ 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 material		0	60	60
Lost circulation		60	110	50
Tan gravel with tan clay		110	150	40
Redish rock, tan gravel		150	160	10
Gray rock, tan clay		160	200	40
Red rock, red clays		200	240	40
Tan clay with tan gravel		240	300	60
Tan gravel, clay with pirite		300	340	40
Red rock, red clay		340	360	20
Marron rock		360	400	40
Tan rock, pirite		400	490	90
Dark gray rock with gray clays		490	710	220
Lt gray rock w/ clays and quartz		710	1020	310

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Nad 27
39.254783°N
114.954728°W

Date started: **April 11**, 20 **15**
Date completed: **May 4**, 20 **15**

9. *WELL CONSTRUCTION*
Depth Drilled **1020** Feet Depth Cased **1020** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	**0** Feet	**120** Feet
17.50 Inches	**120** Feet	**1020** Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20	**164.13**	**.50**	**0**	**120**
10.75	**34.83**	**.3125**	**+2**	**1020**

Perforations:
Type of perforation **Flu-Flo**
Size of perforation **.125**
From **520** feet to **1020** 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 60 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 60 to 1020 ☐ Pumped ☒ Poured
Type: **1/4 X 3/8 SRI**
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

7. *Water Level*
Static water level: **392** feet below land surface
Artesian Flow: **N/A** G.P.M. **N/A** P.S.I
Water Temperature: **55** °F
Quality: **Poor**

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
980	**278**		**3**
1020	**250**		**3**

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* **2487**
Signed
By driller performing actual drilling on site or contractor
Date **May 19, 2015**

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