STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116292
Permit No. 81651T
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. **69218**

1. OWNER **Homestake Mining Co.** well: "HD-10"
MAILING ADDRESS **P.O. Box 676**
Eureka, NV. 89316

ADDRESS AT WELL LOCATION **Ruby Hill Operations**
Eureka, NV.
Subdivision Name: *County:* **Eureka**

2. LOCATION **NW¼NW¼** Sec**14**T**19**N/ R**53**E
PERMIT/WAIVER NO. **81651-T** *Issued by Water Resources* Parcel. No.

Latitude ____ Longitude ____
UTM E **587747** N **4375462** ☒ NAD 27 ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☒ Other **Horizontal Drain**

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
Tan Limestone		0	50	50
Tan and Grey Limestone		50	100	50
Grey Limestone		100	230	130
Tan Limestone		230	390	160
Grey Limestone		390	410	20
Tan and Grey Limestone		410	430	20
Clay With Chlorite Stain		430	450	20
Grey Limestone		450	480	30

39.524400°N NAD27
115.978200°W

Date started: **November 11**, 20 **12**
Date completed: **November 12**, 20 **12**

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

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
N/A		**N/A**

9. *WELL CONSTRUCTION*
Depth Drilled **480** Feet Depth Cased **480** Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
7 7/8	Inches	**0**	Feet	**15**	Feet
5 1/2	Inches	**15**	Feet	**480**	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6.625	**18.97**	**.280**	**+5**	**15**
2.375	**.69**	**.154**	**+5**	**480**

Perforations:
Type of perforation **Slotted**
Size of perforation **.020**
From **35** feet to **480** 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 15 ☒ Pumped ☐ Poured
☐ Cement Grout ____ to ____ ☐ Pumped ☐ Poured
☐ Concrete Grout ____ to ____ ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout ____ to ____ ☐ Pumped ☐ Poured
Gravel Pack: ☐ Yes ☒ No ____ to ____ ☐ Pumped ☐ Poured
Type:
Bentonite Chips: ☒ Yes ☐ No ____ to ____ ☒ Pumped ☐ Poured
Type: **3/8" Hole Plug**

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* **2329**
Signed ____ By driller performing actual drilling on site or contractor
Date **November 14, 2012**

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