STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116290
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. **69220**

1. OWNER **Homestake Mining Co.** well: "**HD-12**"
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 **587660** ☒ NAD 27
N **4375443** ☐ 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
Mix Tan and Grey Limestone		**0**	**30**	**30**
Grey Limestone		**30**	**190**	**160**
Tan Limestone		**190**	**240**	**50**
Grey and Chlorite Limestone		**240**	**380**	**140**

Date started: **November 08**, 20 **12**
Date completed: **November 09**, 20 **12**

9. ***WELL CONSTRUCTION***
Depth Drilled **380** Feet Depth Cased **380** Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
7 7/8	Inches	**0**	Feet	**15**	Feet
5 1/2	Inches	**15**	Feet	**380**	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**	**380**

Perforations:
Type of perforation **Slotted**
Size of perforation **.020**
From **15** feet to **380** 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**

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**
39.	524237 °N	NAD27
115.	979214 °W	

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**