

STATE OF NEVADA  
DIVISION OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

OFFICE USE ONLY  
Log No. 112645  
Permit No. \_\_\_\_\_  
Basin φ53

PRINT OR TYPE ONLY  
DO NOT WRITE ON BACK

Please complete this form in its entirety in  
accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 666057

1. OWNER Barrick/Cortez Gold Mine ADDRESS AT WELL LOCATION RHPZ-10  
MAILING ADDRESS HCGG Box 1250  
Crescent Valley, N.V. 89921 Subdivision Name: Red Hill County: Eureka  
2. LOCATION SW 1/4 NW 1/4 Sec 11 T 26 N SR 48 E Latitude 40.740627° N UTM E  NAD 27  
PERMIT/WAIVER No. 10-1659 Longitude 116.537217° W N  NAD 83/WGS 84

3. WORKED 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	Thick-ness
<u>Brown clay/gravel</u>	<u>no</u>	<u>0</u>	<u>30</u>	<u>30'</u>
<u>Black rock/clay</u>	<u>yes</u>	<u>30</u>	<u>220</u>	<u>190'</u>
<u>Black Rock</u>	<u>yes</u>	<u>220</u>	<u>2000</u>	<u>1780'</u>
<u>2" Blank PVC sch 80</u>		<u>+2</u>	<u>1900</u>	
<u>2" slotted PVC sch 80</u>		<u>1900</u>	<u>2000</u>	
<u>Neat cement</u>		<u>0'</u>	<u>90'</u>	
<u>Ben-sand Grout</u>		<u>90'</u>	<u>638'</u>	
<u>1/4" Gravel</u>		<u>638'</u>	<u>642'</u>	
<u>Ben-sand Grout</u>		<u>642'</u>	<u>1058'</u>	
<u>1/4" Gravel</u>		<u>1058'</u>	<u>1062'</u>	
<u>Ben-sand Grout</u>		<u>1062'</u>	<u>1598'</u>	
<u>1/4" Gravel</u>		<u>1598'</u>	<u>1602'</u>	
<u>Ben sand Grout</u>		<u>1602'</u>	<u>1798'</u>	
<u>1/4" Gravel</u>		<u>1798'</u>	<u>2000'</u>	

Date started: December, 04 20 10  
Date completed: December, 21 20 10

9. WELL CONSTRUCTION

Depth Drilled 2000 Feet Depth Cased 2000 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
<u>12 3/4</u> Inches	<u>0</u>	<u>60</u> Feet
<u>7 7/8</u> Inches	<u>60</u>	<u>1660</u> Feet
<u>7 1/4</u> Inches	<u>1660</u>	<u>2000</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>8"</u>		<u>.188 wall</u>	<u>+2</u>	<u>60'</u>
<u>2"</u>		<u>SCH 80</u>	<u>+2</u>	<u>1900</u>

Perforations:

Type of perforation slot  
Size of perforation 0.02

From 1800 feet to 2000 feet

Annular Seal:  Yes  No

Neat Cement 0 to 90  Pumped  Poured  
 Cement Grout to  Pumped  Poured  
 Concrete Grout to  Pumped  Poured  
 ≥30% Bentonite Grout to  Pumped  Poured

Gravel Pack:  Yes  No 2000 to 1798'  Pumped  Poured  
Type: 1/4" Gravel

Bentonite Chips:  Yes  No to  Pumped  Poured

7. Water Level

Static water level: n/a feet below land surface  
Artesian Flow: no G.P.M. \_\_\_\_\_ P.S.I. \_\_\_\_\_  
Water Temperature: cold °F  
Quality: good

8. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>280'</u>	<u>28</u>		<u>15 min</u>
<u>340'</u>	<u>50</u>		<u>15 min</u>
<u>940'</u>	<u>127</u>		<u>30 min</u>
<u>1060'</u>	<u>150</u>		<u>15 min</u>
<u>1340'</u>	<u>150</u>		<u>15 min</u>
<u>2000'</u>	<u>150</u>		<u>1 hour</u>

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 Nevada Contractor  
Address PO Box 2748 Contractor  
Elko, NV 89803

Nevada contractor's license number issued by the State Contractor's Board 0073086  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2414

Signed \_\_\_\_\_  
By driller performing actual drilling on site or contractor

Date \_\_\_\_\_