

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

OFFICE USE ONLY **108765**

Log No. \_\_\_\_\_  
 Permit No. \_\_\_\_\_  
 Basin **φ54**

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. **63903**

1. OWNER **Barrick Cortez Mine** **CHPZ-136** ADDRESS AT WELL LOCATION **Barrick Cortez Mine, south of Crescent Valley, NV**  
 MAILING ADDRESS **HC66 Box 1250** **89821** Subdivision Name: **NV** County: **Lander**  
 Location **SW¼NW¼ Sec31T27N/ R48E** Latitude **40.167269** NUTM E **532753**  NAD 27  
 PERMIT/WAIVER NO. **M/O-1539** **NA** Longitude **116.615365** W **4446183**  NAD 83/WGS 84  
*Issued by Water Resources* Parcel. No. \_\_\_\_\_

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 \_\_\_\_\_

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Gray Gravel		0'	60'	60'
Black Limestone		60'	190'	130'
Gray Limestone		190'	230'	40'
Black Limestone		230'	370'	140'
Black & Brown Dike		370'	380'	10'
Gray Limestone		380'	410'	30'
Black Limestone		410'	550'	140'
Gray Limestone		550'	640'	90'
Black Limestone		640'	750'	110'
Gray Limestone		750'	810'	60'
Black w/White Specks		810'	990'	180'
Gray Limestone and Dike		990'	1260'	270'
Gray/Black Dike		1260'	1280'	20'
Green Rock		1280'	1300'	20'
Green Dike		1300'	1390'	90'
Gray Dike/Limestone mix		1390'	1470'	80'
Black Limestone		1470'	1860'	390'
Gray Rock		1860'	1890'	30'
Black Limestone		1890'	2400'	510'
Gray/Black Limestone		2400'	2520'	120'
Black Limestone		2520'	2830'	310'
Black/Gray Limestone mix		2830'	2860'	30'
Black w/ White Specks		2860'	3000'	140'

9. WELL CONSTRUCTION

Depth Drilled **3020** Feet Depth Cased **3000** Feet

HOLE DIAMETER (BIT SIZE)

From	To
20.50 Inches	0 Feet to 70 Feet
6.750 Inches	70 Feet to 2170 Feet
6.500 Inches	2170 Feet to 3020 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16.00	62.58	.375	+2	70
2.375	5.02	.218	+2	2920 <i>3000</i>

Perforations:

Type of perforation **Slotted**  
 Size of perforation **.020**

From **2920** feet to **3000** feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Annular Seal:  Yes  No

Neat Cement 0' to 2876'  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 ≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Gravel Pack:  Yes  No 2900' to 3020'  Pumped  Poured  
 Type: **1/4 x 3/8 SRI**

Bentonite Chips:  Yes  No 2876' to 2900'  Pumped  Poured  
 Type: **3/8 Hole Plug**

Date started: **07-Jun, 20 09**  
 Date completed: **20-Jun, 20 09**

7. Water Level

Static water level: **1038** feet below land surface  
 Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water Temperature: **90** °F  
 Quality: \_\_\_\_\_

8. WELL TEST DATA

TEST METHOD:	Bailer	Pump	Air Lift
G.P.M.	_____	_____	_____
Draw Down (Feet Below Static)	_____	_____	_____
Time (Hours)	_____	_____	_____
	<b>107.0</b>	<b>NA</b>	<b>1.0</b>

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 Drilling Services**  
 (CONTRACTOR)

Address **P.O. Box 5279**  
 (CONTRACTOR)

**Elko, NV 89802**  
 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 **2386**

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

Date **24-Jun-09**

*Plugged by well log 124267*