

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

OFFICE USE ONLY

Log No. 108813
 Permit No. _____
 Basin 454

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. 61108

1. OWNER Barrick Cortez Mine **CHPZ-133** ADDRESS AT WELL LOCATION Cortez Hills, Cortez Gold Mine, south of Crescent Valley, NV
 MAILING ADDRESS HC66 Box 1250 Crescent Valley, NV 89821 **Subdivision Name: NA** **County: Lander**

2. LOCATION SW 1/4 NW 1/4 Sec 31 T27 N R48 E Latitude 40.167034° N UTM E 532729.0 NAD 27
 PERMIT/WAIVER NO. M/O-1539 **NA** Longitude 116.615648° W **NA 27 (A)** UTM N 4446157.092 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	Thickness
Page 1				
Gravels		0'	40'	40'
Black Rock		40'	100'	60'
Gray Rock		100'	110'	10'
Black Rock		110'	180'	70'
Gray Rock		180'	210'	30'
Gray & White Rock		210'	230'	20'
Gray Rock		230'	280'	50'
Black Rock		280'	300'	20'
Gray Rock		300'	330'	30'
Black w/Small White Rock		330'	400'	70'
Gray Rock		400'	410'	10'
Black & Gray Rock		410'	460'	50'
Gray & White Rock		460'	480'	20'
Black & White Rock		480'	560'	80'
Gray Rock w/some White		560'	640'	80'
Black Rock		640'	650'	10'
Multi-Colored Rock		650'	660'	10'
Black Rock		660'	690'	30'
Gray Rock		690'	750'	60'
Black Rock w/White Clay		750'	780'	30'
Gray Rock		780'	930'	150'
Gray & White Rock		930'	940'	10'
Black Rock		940'	990'	50'
Gray Rock		990'	1040'	50'
Gray & Tan Rock		1040'	1100'	60'
Red Rock		1100'	1120'	20'
Gray Rock		1120'	1140'	20'

Date started: 23-Jun, 20 09
 Date completed: 02-Jul, 20 09

9. WELL CONSTRUCTION

Depth Drilled 2090 Feet Depth Cased 2070 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>22.00</u> Inches	<u>0</u> Feet <u>53</u> Feet
<u>6.50</u> Inches	<u>53</u> Feet <u>1750</u> Feet
<u>6.25</u> Inches	<u>1750</u> Feet <u>2090</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>2.375</u>	<u>95.8/100'</u>	<u>.218</u>	<u>+3</u>	<u>1810</u>

Perforations:

Type of perforation Slotted
 Size of perforation .020

From	To
<u>1810</u> feet to	<u>2070</u> feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet

Annular Seal: Yes No

Material	From	To	Method
<input checked="" type="checkbox"/> Neat Cement	<u>0'</u>	<u>to 50'</u>	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout	_____	_____	<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Concrete Grout	_____	_____	<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> ≥30% Bentonite Grout	_____	_____	<input type="checkbox"/> Pumped <input type="checkbox"/> Poured

Gravel Pack: Yes No 1808' to 2090' Pumped Poured
 Type: _____

Bentonite Chips: Yes No 50' to 1808' Pumped Poured
 Type: 3/8 Hole Plug

7. Water Level

Static water level: 1296 feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: _____ °F 40
 Quality: _____

8. WELL TEST DATA

TEST METHOD:	Bailer	Pump	Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
	<u>90'</u>	<u>11:15</u>	<u>03:00</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 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 2130

Signed _____
 By driller performing actual drilling on site or contractor

Date 15-Jul-09

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

OFFICE USE ONLY
 Log No. 108813

Permit No. _____
 Basin 454 902

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NOTICE OF INTENT NO. 61108

1. OWNER **Barrick Cortez Mine** **CHPZ-133** ADDRESS AT WELL LOCATION **Cortez Hills, Cortez Gold Mine, south of Crescent Valley, NV**
 MAILING ADDRESS **HC66 Box 1250** **Crescent Valley, NV 89821** **Subdivision Name: NA** **County: Lander**

2. LOCATION **SW¼NW¼ Sec31T27N/ R48E** Latitude _____ UTM E **532729.0** NAD 27
PERMIT/WAIVER NO. M/O-1539 **NA** Longitude _____ N **4446157.092** 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 Monitor Stock
 Municipal/Industrial Air Other _____
 5. WELL TYPE
 Cable Rotary RVC
 Air Other _____

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Page 2				
Tan Rock		1140'	1170'	30'
Gray Rock		1170'	1190'	20'
Black Rock		1190'	1210'	20'
White Rock		1210'	1350'	140'
Tan Rock		1350'	1390'	40'
Black Rock		1390'	1410'	20'
Multi-Colored Rock		1410'	1450'	40'
Gray Rock		1450'	1520'	70'
Black & Gray Rock		1520'	1580'	60'
Black Rock		1580'	1590'	10'
Multi-Colored Rock		1590'	1600'	10'
Gray & White Rock		1600'	1760'	160'
Gray Rock		1760'	1800'	40'
Black Rock		1800'	1890'	90'
Tan Rock w/some Clay		1890'	1910'	20'
Black/White Rock		1910'	1990'	80'
Gray/White Rock		1990'	2010'	20'
Black Rock		2010'	2090'	80'

Date started: **23-Jun, 20 09**
 Date completed: **02-Jul, 20 09**

9. WELL CONSTRUCTION
 Depth Drilled **2090** Feet Depth Cased **2070** Feet
 HOLE DIAMETER (BIT SIZE)
 From _____ To _____
 Inches _____ Feet _____ Feet _____
 Inches _____ Feet _____ Feet _____
 Inches _____ Feet _____ Feet _____

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type of perforation _____
 Size of perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement _____ to _____ 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: _____

7. Water Level
 Static water level: _____ feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: _____ °F
 Quality: _____

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)

8. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

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 **2130**
 Signed _____
 By driller performing actual drilling on site or contractor
 Date **15-Jul-09**