STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

PRINT OR TYPE ONLY

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

OFFICE USE ONLY
Log No. 103883 B1
Permit No.
Basin 054

NOTICE OF INTENT NO. 59252

1. OWNER Barrick Cortez Mines CHPZ-52
MAILING ADDRESS HC66, Box 1250
Crescent Valley, NV. 89821

ADDRESS AT WELL LOCATION Cortez minesite
7 miles west of Crescent Valley, NV.
Subdivision Name: N/A County: Lander

2. LOCATION ~~SW¼NW¼~~ NW SW Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O - 1448 (Issued by Water Resources) N/A (Parcel. No.)

Latitude 40° 09.876" N
Longitude 116° 36.844" W
UTM E N
☒ NAD 27 ☐ NAD 83/WGS 84

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 Flooded RVC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Oxidized Alluvium		0'	240'	240'
Gray silty limestone		240'	450'	210'
Oxidized marble		450'	600'	150'
Carbonaceaous micrite		600'	1210'	610'
Oxidized quartz		1210'	1400'	190
White marble		1400'	1510'	110'
Oxidized quartz		1510'	1600'	90'
White marble		1600'	1760'	160'
Weak silty limestone		1760'	2070'	310'
Biotite quartz		2070'	2110'	40'
Silicified limestone		2110'	2210'	100'
White quartz		2210'	2290'	80'
Crystaline dolostone		2290'	2370'	80'
White quartz		2370'	2450'	80'
Marble with sporadic pyrite		2450'	2650'	200'

N 40.164600
W 116.614067 NAD27

Date started: 05/29, 20 07
Date completed: 07/01, 20 07

9. WELL CONSTRUCTION

Depth Drilled 2650 Feet Depth Cased 2631 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20 Inches	0 Feet	55 Feet
14.75 Inches	55 Feet	1286 Feet
8.75 Inches	1286 Feet	2650 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	42	0.250	0	55
10.750	28	0.250	0	1286

Perforations:
Type of perforation
Size of perforation
From feet to 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 55' ☒ 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:

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

STATE ENGINEERS OFFICE
2007 AUG -6 PM 12:21

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 PO Box 5279 (CONTRACTOR)
Elko, NV. 89802-5279
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 2283
Signed
By driller performing actual drilling on site or contractor
Date 08/01/07

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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MAILING ADDRESS HC66, Box 1250
Crescent Valley, NV. 89821

ADDRESS AT WELL LOCATION Cortez minesite
7 miles west of Crescent Valley, NV.
Subdivision Name: N/A County: Lander

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PERMIT/WAIVER NO. M/O - 1448 (Issued by Water Resources) N/A (Parcel. No.)

Latitude 40° 09.876" N UTM E ☒ NAD 27
Longitude 116° 36.844" W N ☐ NAD 83/WGS 84

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 Flooded RVC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
page 2				
Notes:				
3/8" Hole Plug		100'	105'	5'
30% Bentonite Grout		105'	1741'	1636'
3/8" Hole Plug		1741'	1788'	47'
1/4" SRI Gravel		1788'	2235'	447'
3/8" Hole Plug		2235'	2469'	234'
1/4" SRI Gravel		2469'	2650'	181'

Date started: 05/29 , 20 07
Date completed: 07/01 , 20 07

9. WELL CONSTRUCTION
Depth Drilled 2650 Feet Depth Cased 2631 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)
2.375	5.02	0.218	+2	2231
2.375	5.02	0.218	+2	2631

Perforations:
Type of perforation Slotted
Size of perforation 0.125"
From 1792 feet to 2231 feet
From 2471 feet to 2631 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0' to 100' ☒ 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: see notes
Bentonite Chips: ☒ Yes ☐ No to ☐ Pumped ☐ Poured
Type: see notes

7. Water Level
Static water level: 1362 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: Cool °F
Quality: Fair

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

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)
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By driller performing actual drilling on site or contractor
Date 08/01/07

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