N 40.169646
W 116.615231 NAD27

Plugged unde NOI 62700

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 106512
Permit No.
Basin Ø54

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. 61705

1. OWNER Barrick Cortez Mine CHPZ-50
MAILING ADDRESS HC66, Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Barrick Cortez Minesite, south of Crescent Valley, NV
Subdivision Name: NA County: Lander

2. LOCATION SW¼NW¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O 1448 (Issued by Water Resources) NA (Parcel. No.)

Latitude 40°10.180N UTM E ☒ NAD 27
Longitude 116°36.913E 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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Hard Dark Gray Rock		0'	135'	135'
Light Tan Rock		135'	270'	135'
Dark Gray Rock w/Calcite		270'	640'	370'
Tan Sandy Rock		640'	850'	210'
Black Green,Gray Dike w/Chert		850'		
Siltstone & Sandstone			960'	110'
Black, Gray Rock		960'	1080'	120'
Black, Gray Rock w/Calcite		1080'	1270'	190'
Gray Oxidized Rock		1270'	1330'	60'
Black Siltstone		1330'	1390'	60'
Gray Rock		1390'	1460'	70'
Black Rock	x	1460'	2010'	550'
Black, White & Green Rock		2010'	2310'	300'
Black Rock		2310'	2390'	80'
Dark Gray Rock	x	2390'	2630'	240'
Green & White Clay Powder	x	2630'	2680'	50'
Black Rock w/Calcite		2680'	2930'	250'
Black, White & Green Rubble		2930'	2940'	10'
Black Siltstone		2940'	3030'	90'
Light Gray Rock		3030'	3110'	80'
~~N 40.169646~~				
~~W 116.615231 NAD27~~				
Notes:				
D = Deep String				
S = Shallow String				

Date started: 02-Apr, 20 08
Date completed: 26-Apr, 20 08

7. Water Level
Static water level: 1315 D 596 S feet below land surface
Artesian Flow: No G.P.M. NA 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)
1760'	9.0	Drilling	.5
1820'	27.0	Drilling	.5
2520'	60.0'	Drilling	.5
2640'	100'	Drilling	.5
2780'	130'	Drilling	.5
3060'	136'	Drilling	.5

9. WELL CONSTRUCTION
Depth Drilled 3110 Feet Depth Cased 3098 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.250 Inches	0 Feet	35 Feet
8.750 Inches	35 Feet	3110 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16.00	42.05	.250	+2	35
2.375	5.02	.218	+2	1858 S
2.375	5.02	.218	+2	3098 D

Perforations:
Type of perforation Milled Slot
Size of perforation .125
From S 1618 feet to S 1858 feet
From D 3018 feet to D 3098 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0' to 1500' ☒ Pumped ☐ Poured
☒ Cement, Neat 1862' to 2860' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1613' to 1862' ☒ Pumped ☐ Poured
Type: 1/4 SRI 3010' to 3110'
Bentonite Chips: ☒ Yes ☐ No 1500' to 1613' ☒ Pumped ☐ Poured
Type: 3/8 Hole Plug 2860' to 3010'

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 2039
Signed
By driller performing actual drilling on site or contractor
Date 29-Apr-08