STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 110167
Permit No.
Basin 054

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. 65318

1. OWNER Barrick Cortez Mine AW-13
MAILING ADDRESS HC66 Box 1250
Crescent Valley, NV. 89821

ADDRESS AT WELL LOCATION Cortez Pipeline Mine
Subdivision Name: County: Lander

2. LOCATION SE¼NW¼ Sec8T27N/ R47E
PERMIT/WAIVER NO. 1082A
Issued by Water Resources Parcel. No.

Latitude 40.228396°N
Longitude 116.707430°W
NAD 27 (79)
UTM E 524891E ☒ NAD 27
N 4452938 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 Rev

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Fine Aluvial Gravel		0	140	140
Coarse Gravel w/Tan Clay		140	190	50
Coarse Gravel		190	285	95
Fine Gravel w/Tan Clay		285	385	100
Med Gravel		385	425	40
Med Gravel w/Clay		425	460	35
Med to Fine Gravel		460	520	60
Med to Fine Sandy Gravel		520	545	25
Coarse Gravel / Some Clay		545	725	180
Dense Sandy Clay		725	740	15
Med Sandy Clay		740	805	65
Dense Sandy Clay		805	825	20
Coarse Gravel		825	850	25
Sounder Pipe Screen 2.375		740	840	100

Date started: February 18, 20 10
Date completed: March 2, 20 10

9. WELL CONSTRUCTION
Depth Drilled 850 Feet Depth Cased 849 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	0 Feet	80 Feet
19 Inches	80 Feet	850 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22	114.81	.500	0	80
12.750	41.51	.3125	+2	849
2.375	5.02	.218	+1	840

Perforations:
Type of perforation 12.75 = louvered-2.375=milled slot
Size of perforation 12.75=.250-2.375=.020
From 378 feet to 418 feet
From 458 feet to 518 feet
From 538 feet to 718 feet
From 738 feet to 798 feet
From 818 feet to 849 feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 80 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ =30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 0 to 850 ☐ Pumped ☒ Poured
Type: 3/8 SRI
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 313.95 feet below land surface
Artesian Flow: No G.P.M. N/A 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)
247	149.3	2

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 (CONTRACTOR)
Address 2745 California Ave. (CONTRACTOR)
SLC., UT. 84104
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 March 3, 2010