STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116488
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. 67581

1. OWNER Barrick Cortez Mine
well name: AW-17
MAILING ADDRESS HC 66, Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Cortez Pipeline Mine
Crescent Valley, NV
Subdivision Name: County: Lander

2. LOCATION NW¼NE¼ Sec08T27N/ R47E
PERMIT/WAIVER NO. W/S-1082A
Issued by Water Resources
Parcel. No.

Latitude
Longitude
UTM E 525625 ☒ NAD 27
N 4453092 ☐ 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 (M+M/Dewatering)

Material	Water Strata	From	To	Thickness
Fine gravel w/sand		0	220	220
Clay w/fine gravel		220	540	320
Brown clay		540	560	20
Clay w/gravel		560	570	10
Brown clay w/sand & gravel		570	680	110
Coarse sand w/gravel		680	715	35
Clay w/sand & gravel		715	905	190

RECEIVED 2012 FEB 23 AM 11:13 STATE ENGINEERS OFFICE

Date started: January 10, 20 12
Date completed: January 26, 20 12

7. Water Level
Static water level: 204 feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I
Water Temperature: 78 °F
Quality: Fair

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
385		122
40.229761 °N		NAD27
116.698796 °W		

9. WELL CONSTRUCTION
Depth Drilled 905 Feet Depth Cased 900 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	0 Feet	80 Feet
19 Inches	80 Feet	905 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22	21.96	.375	0	80
12.75	12.5	.375	+2	900

Perforations:
Type of perforation Louver
Size of perforation .080
From 220 feet to 240 feet
From 260 feet to 280 feet
From 300 feet to 820 feet
From 860 feet to 900 feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 50 ☒ Pumped ☐ Poured
☒ Cement Grout 50 to 190 ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☐ Yes ☐ No 190 to 900 ☐ Pumped ☒ Poured
Type: 1/4" SRI Supreme
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

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 2745 California Avenue (CONTRACTOR)
Salt Lake City,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 2452
Signed
By driller performing actual drilling on site or contractor
Date February 17, 2012