STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 113981
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. 65807

1. OWNER Barrick Cortez CHPZ-179
MAILING ADDRESS HC 66 BOX 1250
Crescent Valley, NV. 89821

ADDRESS AT WELL LOCATION Cortez Hills Minesite
SW Crescent Valley, NV
Subdivision Name: County: Lander

2. LOCATION NE¼NW¼ Sec25T27N/ R47E
PERMIT/WAIVER NO. M/O-1684 (Issued by Water Resources) Parcel. No.

Latitude 40.186830°N UTM E 531486 ☒ NAD 27
Longitude 116.630138°W N 4448349 ☐ 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
Red/Tan Conglomorate Rock		0	400	400
Black/White Rock		400	490	90
Light Grey Rock		490	520	30
Black Rock		520	710	190
Grey Rock		710	770	60
Black Rock		770	940	170
Grey/Black Rock		940	1020	80
Orange/ Tan Rock		1020	1050	30
Black Rock		1050	1400	350
Black/Grey Rock		1400	1620	220
Installed 2 3/8" PVC pipe w/ transducers attached at: 1380', 840', 480' on outside of pipe.				

Date started: April 19, 20 11
Date completed: May 13, 20 11

7. Water Level
Static water level: 779 feet below land surface
Artesian Flow: n/a G.P.M. n/a P.S.I
Water Temperature: Cool °F
Quality: Good

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
140	n/a	1

9. WELL CONSTRUCTION
Depth Drilled 1620 Feet Depth Cased 1600 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
12.750 Inches	0 Feet	20 Feet
6.750 Inches	20 Feet	1620 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
7.625	38.05	.500	+2	20
2.375	.8	.218	+1	1600

Perforations:
Type of perforation Slot
Size of perforation .020"
From 1520 feet to 1600 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 50 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1515 to 1620 ☒ Pumped ☐ Poured
Type: 1/4" SRI
Bentonite Chips: ☒ Yes ☐ No 50 to 1515 ☒ Pumped ☐ Poured
Type: 3/8" Coarse

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)
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 2339
Signed Loren Rudolph
By driller performing actual drilling on site or contractor
Date June 7, 2011