STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116968
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. 67826

1. OWNER Barrick Cortez CHPZ-236
MAILING ADDRESS HC 66 Box 1250
Crescent Valley, NV 89821

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

2. LOCATION SW¼SW¼ Sec32T27N/ R48E
PERMIT/WAIVER NO. M/O - 1717 (Issued by Water Resources) Parcel. No.

Latitude
Longitude
UTM E 534408 ☒ NAD 27
N 4445695 ☐ 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
Limestone, black rock		0	1780	1780
Dike, gray rock		1780	1860	80
Quartz, manzonite, white rock		1860	2200	340
Bentonite grout - Poured		0	233	233
3/8 hole plug - Poured		233	455	222
Bentonite grout - Pumped		455	1870	1415
Transducer @ 1480'				

Date started: October 22, 20 11
Date completed: November 1, 20 11

7. Water Level
Static water level: 1170 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: 55 °F
Quality: Clear

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
2.9		11

40.162804°N NAD27
116.595956°W Dec/Deg

9. WELL CONSTRUCTION
Depth Drilled 2200 Feet Depth Cased 2190 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.50 Inches	0 Feet	20 Feet
6.750 Inches	20 Feet	1880 Feet
6.50 Inches	1880 Feet	2200 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	42.05	.250	+2	20
2.375	5.02	.218	+1	2190

Perforations:
Type of perforation Slot
Size of perforation .20
From 1900 feet to 2190 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ ≥30% Bentonite Grout 0 to 233 ☐ Pumped ☒ Poured
Gravel Pack: ☒ Yes ☐ No 1890 to 2200 ☐ Pumped ☒ Poured
Type: 1/4 washed
Bentonite Chips: ☒ Yes ☐ No 1870 to 1890 ☒ Pumped ☐ Poured
Type: 3/8 hole plug

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 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 onsite driller 2350
Signed
By driller performing actual drilling on site or contractor
Date November 7, 2011