STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115394
Permit No. 81904T
Basin 053

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. 69211

1. OWNER Barrick Cortez Mine Hay Ranch Well
MAILING ADDRESS HC66, Box 1250
Crescent Valley, NV. 89821

ADDRESS AT WELL LOCATION Hay Ranch Well
25 Miles South Of Carlin, NV.
Subdivision Name: County: Lander

2. LOCATION SW¼SE¼ Sec09T29N/ R52E
PERMIT/WAIVER NO. 81904T (Issued by Water Resources) Parcel. No.

Latitude Longitude
UTM E 575446 ☒ NAD 27
N 4472878 ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE quasi-municipal
☐ 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
Alluvium		0	520	520
Aqua Guard		50	280	230
Aqua Guard was dumped upper portion contained a lot of clay. Aqua Guard was submitted to Bentonite. LMJ				
Approximately 20' of the hole caved after drilled LMJ		500	520	20

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Date started: June 25, 20 2012
Date completed: July 7, 20 2012

7. Water Level
Static water level: 148 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)
135	59	2

40.404996°N NAD27
116.110895°W

9. WELL CONSTRUCTION
Depth Drilled 520 Feet Depth Cased 480 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.5 Inches	0 Feet	40 Feet
14.75 Inches	40 Feet	520 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16.50	85.44	.250	0	40
8.5	43.39	.250	+2	480

Perforations:
Type of perforation Louvered
Size of perforation .125
From 320 feet to 480 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	300 to 520	☒ Pumped	☐ Poured
Type: .250 SRI			
Bentonite Chips: ☒ Yes ☐ No	280 to 300	☒ 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 (CONTRACTOR)
Address 2745 W. 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 2339
Signed [signature]
By driller performing actual drilling on site or contractor
Date July 9, 2012