

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
 Log No. 116285
 Permit No. 77179
 Basin 054
 NOTICE OF INTENT NO. 68995

PRINT OR TYPE ONLY

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

1. OWNER **Barrick Cortez Mine** **DW-10** ADDRESS AT WELL LOCATION **Cortez Hills Minesite**
 MAILING ADDRESS **HC66, Box 1250** **South West Of Crescent Valley, NV**
Crescent Valley, NV. 89821 **Subdivision Name:** _____ **County:** **Lander**

2. LOCATION **NW¼SW¼ Sec32T27N/ R48E** Latitude _____ UTM E **534381** NAD 27
 PERMIT/WAIVER NO. **W/S-77179** **order 1189** Longitude _____ N **4445768** NAD 83/WGS 84
Issued by Water Resources Parcel. No. _____

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	Thick-ness
Tan & Gray Rock		0	30	30
Brown Rock W/Clay		30	120	90
Light Gray Rock		120	130	10
Dark Gray Rock		130	270	140
Light Gray Rock W/Clay		270	290	20
Dark Gray Rock		290	310	20
Tan Rock		310	360	50
Dark Gray Rock		360	370	10
Light Gray Rock W/Clay		370	400	30
Tan Rock		400	430	30
Dark Gray Rock		430	450	20
Tan Rock		450	470	20
Dark Gray & White Rock		470	510	40
Dark Gray Rock		510	550	40
Tan Rock		550	610	60
Light Gray Rock		610	720	110
Tan Rock W/Clay		720	760	40
Tan/Reddish Rock		760	790	30
Light Gray & White Rock		790	860	70
Dark Gray Rock		860	930	70
Light Gray & White Rock		930	970	40
OD Lbs/Ft Wall				
14" 45.61 .312		1541	2193	652

9. WELL CONSTRUCTION

Depth Drilled **2220** Feet Depth Cased **2193** Feet

HOLE DIAMETER (BIT SIZE)
 From _____ To _____
31 Inches **0** Feet **120** Feet
24 Inches **120** Feet **2220** Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
26	102.62	.375	0	120
14	54.57	.375	+2	1591
2.375	3.65	.145	+2	2173

Perforations:
 Type of perforation **Louvered**
 Size of perforation **.125**
 From **1591** feet to **2193** feet
 From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement 0 to 591 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
 Gravel Pack: Yes No 621 to 2193 Pumped Poured
 Type: **3/4 SRI**
 Bentonite Chips: Yes No 591 to 621 Pumped Poured
 Type: **3/8" Hole Plug**

Date started: **June 22, 2012**
 Date completed: **Aug. 27, 2012**

7. Water Level
 Static water level: **1167** feet below land surface
 Artesian Flow: **N/A** G.P.M. **N/A** P.S.I.
 Water Temperature: **Cool** °F
 Quality: **Fair**

8. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input checked="" type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
120	N/A	144	
40	163463 °N	NAD27	
116	596269 °W		

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 **2350**
 Signed _____
 By driller performing actual drilling on site or contractor
 Date **August 30, 2012**

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 2012 SEP - 5 AM 11:10
 STATE ENGINEERS OFFICE