STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 109380
Permit No.
Basin 054

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 61094

1. OWNER Barrick/Cortez Gold Mine
MAILING ADDRESS HC66 PO Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Cortez Hills
CHPZ-134
Subdivision Name: County: Lander

2. LOCATION NW ¼ SW ¼ Sec 31 T 27N N/S R 48 E
PERMIT/WAIVER No. M/O-1539
Issued by Water Resources Parcel No.

Latitude 40.165616°N
Longitude 116.615271°W
NAD 27 (TR)
UTM E 532761.751 N 4445999.826
[X] NAD 27 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[X] New Well [ ] Replace [ ] Recondition
[ ] Deepen [ ] Other

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Test
[ ] Municipal/Industrial [X] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [ ] Rotary [X] RVC
[ ] Air [ ] Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Alluvium		0	70	70
Broken Black Rock		70	360	290
Broken White & Grey Rock		360	380	20
Greenish Grey Rock/ Clay		380	470	90
Black Rock		470	500	30
Green & Grey Rock		500	520	20
Black Rock	x	520	1100	580
Green Rock with Little Clay		1100	1160	60
Dark Green Rock Brown Clay		1160	1190	30
Dark Green Rock		1190	1210	20
Brown & Pink Rock		1210	1220	10
Green Rock w/little clay	x	1220	1530	310
Black, Grey & Pink Rock		1530	1620	90
Green & Grey Rock		1620	1630	10
Broken Black Rock	x	1630	1800	170
Well Construction:				
Bensand Grout		570	968	398
1/4" Gravel		968	1003	35
Bensand Grout		1003	1398	395
1/4" Gravel		1398	1403	5
Bensand Grout		1403	1698	295
1/4" Gravel		1698	1800	102
Transducer 1000 & 970				
Transducer 1400				
2" SCh 80 Blank 0-1700				
2" Sch 80 Slotted 1700-1800				

Date started: 27-Apr , 20 09
Date completed: 5-May , 20 09

9. *WELL CONSTRUCTION*
Depth Drilled 1800 Feet Depth Cased 1800 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 1/4	Inches	0	Feet	40	Feet
6 3/4	Inches	40	Feet	1360	Feet
6 1/2	Inches	1260	Feet	1800	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 1/2		.188	0	40
2 3/8		Sch 80	0	1800

Perforations:
Type of perforation Slotted
Size of perforation 0.02
From 1700 feet to 1800 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [X] Yes [ ] No
[X] Neat Cement 0 to 60 [X] Pumped [ ] Poured
[ ] Cement Grout to [ ] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured
Gravel Pack: [X] Yes [ ] No to [ ] Pumped [ ] Poured
Type: See lithological section for Detail
Bentonite Chips: [X] Yes [ ] No 570 to 60 [X] Pumped [ ] Poured
Type: 3/8" Hole Plug

7. *Water Level*
Static water level: 580 feet below land surface
Artesian Flow: No G.P.M. N/A P.S.I.
Water Temperature: Cold °F
Quality: Fair

8. WELL TEST DATA
TEST METHOD: [ ] Bailer [ ] Pump [X] Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
~~1000~~ 32	Thru Drill Pipe	31/2

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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 Nevada ~~Eklund Drilling Company, Inc.~~
Contractor
Address PO Box 2748
Contractor
Elko, NV 89803
Nevada contractor's license number issued by the *State Contractor's Board* 0073086
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2368
Signed William Templeton
By driller performing actual drilling on site of contractor
Date

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY