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

OFFICE USE ONLY
Log No. 106719
Permit No.
Basin 054 pgl

PRINT OR TYPE ONLY
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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 61362

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

ADDRESS AT WELL LOCATION Cortez Hills
Hole #CHPZ-100
Subdivision Name: County: Lander

2. LOCATION SE ¼ SE ¼ Sec 31 T 27N N/S R 48 E
PERMIT/WAIVER No. M/O-1499
Issued by Water Resources Parcel No.

Latitude N40.162786
Longitude W116.599333
UTM E 534120.3747 [X] NAD 27
N 4445691.677 [ ] 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, Gravels		0	50	50
Gray Rock, Brownish Gray Dirt & Clay		50	830	780
Black Rock with Some Red Rock		830	910	80
Gray Rock		910	970	60
Redish Brown & White Rock & Clays		970	1070	100
Black Rock with Red & White		1070	1290	220
Hard White Rock, Some Red		1290	1330	40
Black Gray, White, Brown Mix		1330	1590	260
Black, Gray - greenish Rock & Clays		1590	2000	410
1st noticed water @ 1040'				
2 gpm @ 1100'				
10 gpm @ 1220'				
21 gpm @ 1320'				
48 gpm @ 1540'				
61 gpm @ 1600'				
75 gpm @ 1780'				
103 gpm @ 1900'				
107 gpm @ 2000'				

Date started: 10-Jun, 20 08
Date completed: 24 ~~Jun~~ Jun, 20 08

9. WELL CONSTRUCTION
Depth Drilled 2000 Feet Depth Cased 2000 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 1/4	Inches	0	Feet	40	Feet
6 3/4	Inches	40	Feet	1100	Feet
6 1/2	Inches	1100	Feet	2000	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8		.188	0	40
2		Schedule 80 PVC	0	2000

Perforations:
Type of perforation Slotted
Size of perforation 0.02
From Blank PVC 0 feet to 1920 feet
From Slotted PVC 1920 feet to 2000 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [X] Yes [ ] No
[X] Neat Cement 0 to 54 [X] Pumped [ ] Poured
[ ] Cement Grout to [ ] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[X] ≥30% Bentonite Grout 400 to 1918 [X] Pumped [ ] Poured

Gravel Pack: [X] Yes [ ] No 1918 to 2000 [ ] Pumped [X] Poured
Type: #8 Well Gravel
Bentonite Chips: [X] Yes [ ] No 54 to 400 [ ] Pumped [X] Poured
Type: 3/8" Bentonite Hole Plug

7. Water Level
Static water level: 832 feet below land surface
Artesian Flow: No 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)
N/A 107 gpm while drilling @ 2000'			

STATE ENGINEER'S OFFICE
2008 AUG -1 AM 11:21
RECEIVED

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name 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* 0030823
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* M-2298
Signed August Wildeman by [illegible] (By driller performing actual drilling on site or contractor)
Date 6/25/2008

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

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

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NOTICE OF INTENT NO. 61362

1. OWNER Barrick/Cortez Gold Mines
MAILING ADDRESS

ADDRESS AT WELL LOCATION Cortez Hills
Hole #CHPZ-100
Subdivision Name: *County:*

2. LOCATION ¼ ¼ Sec T N/S R E
PERMIT/WAIVER No. *Issued by Water Resources* Parcel No.

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

3. WORKED 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
Page 2 of 2				
Note: 2 transducers set in 5'				
of #8 Gravel				
Transducer #1 @ 1700'				
Gravel from 1698' to 1703'				
Transducer #2 @ 1140'				
Gravel from 1137' to 1142'				
Bentonite grout installed				
above and below & inbetween				
transducers				

Date started: , 20
Date completed: , 20

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

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	Feet	Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
Type of perforation
Size of perforation
From feet to 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 to ☐ Pumped ☐ Poured
Gravel Pack: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

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

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

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

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Address PO Box 2748 (Contractor)
Elko, NV 89803
Nevada contractor's license number issued by the *State Contractor's Board* 0030823
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller*
Signed (By driller performing actual drilling on site or contractor)
Date

(Rev. 05-06)

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