

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

OFFICE USE ONLY
Log No. 106468 ps
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. 61352

1. OWNER Barrick/Cortez Gold Mine ADDRESS AT WELL LOCATION Cortez Hills
MAILING ADDRESS HC66 Box 1250 Hole #CHPZ-90
Crescent Valley, NV 89621 Subdivision Name: _____ County: Lander

2. LOCATION SW ¼ SE ¼ Sec 31 T 27N N/S R 48 E Latitude 40.161415 UTM E 533605.363 NAD 27
PERMIT/WAIVER No. M/O-1494 Longitude 116.605369 N 4445537.247 NAD 83/WGS 84

Issued by Water Resources Parcel No. _____

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	Thick-ness
Alluvium		0	160	160
Black and Gray rock		160	240	80
Gray Rusty Rock		240	390	150
Rusty Brown Clay		390	400	10
Rusty Gray and White Rock		400	790	390
Black and Gray Rock		790	960	170
Rusty Gray and White rock		960	1050	90
Rusty Brown rock	yes	1050	1070	20
Black Rock		1070	1130	60
Rusty Brown Rock		1130	1150	20
White Clay		1150	1160	10
Pink Rock		1160	1170	10
Green Clay		1170	1180	10
Black Rock w/Rusty Brown		1180	1190	10
Gray Rock		1190	1230	40
Tan Rock		1230	1270	40
White Clay		1270	1280	10
Tan Rock		1280	1340	60
Black Rock		1340	1350	10
Brown and Green Rock		1350	1400	50
Black Rock		1400	1490	90
Black and Green Rock		1490	1500	10
Rusty Gray and White Rock		1500	1610	110
Red Rock		1610	1620	10
Gray Rock		1620	1720	100
Rusty Tan Rock		1720	1800	80

9. WELL CONSTRUCTION

Depth Drilled 1800 Feet Depth Cased 1800 Feet

HOLE DIAMETER (BIT SIZE)

From	To	From	To
<u>14 7/8</u> Inches	<u>0</u> Feet	<u>20</u> Feet	<u>20</u> Feet
<u>7</u> Inches	<u>20</u> Feet	<u>1380</u> Feet	<u>1380</u> Feet
<u>6 3/4</u> Inches	<u>1380</u> Feet	<u>1800</u> Feet	<u>1800</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>2 3/8</u>		<u>Sch 80</u>	<u>0</u>	<u>1600</u>
<u>10 3/4</u>		<u>.188 wall</u>	<u>0</u>	<u>20</u>

Perforations:

Type of perforation Slotted
Size of perforation 0.02

From 1600 feet to 1800 feet

Annular Seal: Yes No

Neat Cement 0 to 60 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: See Page 2

Bentonite Chips: Yes No 340 to 60 Pumped Poured
Type: 3/8" Hole Plug

7. Water Level
Static water level: 809 feet below land surface
Artesian Flow: No G.P.M. N/A P.S.I.
Water Temperature: Cold °F
Quality: Clear

8. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>740</u>	<u>2</u>		<u>1/2 hour</u>
<u>1060</u>	<u>13</u>		<u>1/2 hour</u>
<u>1180</u>	<u>21</u>		<u>1/2 hour</u>
<u>1420</u>	<u>35</u>		<u>1/2 hour</u>
<u>1600</u>	<u>55</u>		<u>1/2 hour</u>
<u>1720</u>	<u>71</u>		<u>1/2 hour</u>
<u>1800</u>	<u>73</u>		<u>1/2 hour</u>

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 0030823
issued by the State Contractor's Board

Nevada driller's license number issued by the 1957
Division of Water Resources, the on-site driller

Signed Larry Dailey
By driller performing actual drilling on site or contractor

Date 5/21/2008

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DIVISION OF WATER RESOURCES
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PERMIT/WAIVER No. _____ Longitude _____ N NAD 83/WGS 84
Issued by Water Resources Parcel No. _____

3. WORKED PERFORMED New Well Replace Recondition
 Deepen Other

4. PROPOSED USE Domestic Irrigation Test Cable Rotary RVC
 Municipal/Industrial Monitor Stock Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Page 2 of 2				
Neat Cement		0	60	60
3/8" Hole Plug		60	340	280
Ben Sand Grout		340	977	637
1/4" Gravel		977	983	6
Ben Sand Grout		983	1236	253
1/4" Gravel		1236	1242	6
Ben Sand Grout		1242	1598	356
1/4" Gravel		1598	1800	202
Transducer set @ 980'				
Transducer set @ 1240'				
Sch80 Blank				
Sch80 Slotted PVC				
		0	1600	1600
		1600	1800	200

9. WELL CONSTRUCTION

Depth Drilled _____ Feet Depth Cased _____ Feet

HOLE DIAMETER (BIT SIZE)

Inches	Feet	To	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

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: _____

Date started: _____, 20____
Date completed: _____, 20____

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)

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 _____

Signed _____
By driller performing actual drilling on site or contractor

Date _____