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

OFFICE USE ONLY
Log No. 116075
Permit No.
Basin No. 138

PRINT OR TYPE IN BLACK INK 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. 68575
WELL NAME *(If applicable)*: chpz 290

1. OWNER/CLIENT NAME Barrick Cortez
MAILING ADDRESS HC-66 BOX 1250
CRESCENT VALLEY NV 89821

DETAILED ADDRESS AT WELL LOCATION cortez hills mine
Subdivision Name: *County:* lander

2. PLS LOCATION sw ¼ ne ¼ 6 Sec 26n N/S 48e E
PERMIT/WAIVER NO. m/o1848
Issued by Water Resources *Current Parcel No.*

Latitude UTM E 533840.5 ☒ NAD 27
Longitude UTM N 4444595 ☐ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☒ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☒ Rotary ☒ RVC
☒ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Sands and gravels			0	290	290
black limestone			290	1070	780
grey limestone			1070	1370	300
sands and brown rock			1370	1440	70
grey limestone			1440	1760	320
sandy brown and grey roc			1760	2000	240
neat cement			0	50	50
holeplug			50	370	320
grout			370	1558	1188
1/4 sri gravel			1558	1563	5
hole plug			1563	1858	295
gravel			1858	1863	5
hole plug			1863	1898	35
gravel			1898	2000	102

Date started: august, 26 , 20 12
Date completed: september, 7 , 20 12

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

HOLE DIAMETER (BIT SIZE)

		From		To	
19	Inches	0	Feet	80	Feet
6.5	Inches	80	Feet	2000	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
14	54.57	.375	0	80
2.375	0.958	.154	+1.5	2000

PERFORATIONS:
Type of perforation: slotted
Size of perforation: 0.02
From 1900 Feet To 2000 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0 to 80			
☒ Neat Cement	0 to 80	☒ Pumped	☐ Poured	
☐ Cement Grout	to	☐ Pumped	☐ Poured	
☐ Concrete Grout	to	☐ Pumped	☐ Poured	
☐ Bentonite Chips	to	☐ Pumped	☒ Poured	
☐ Bentonite Grout	to	☐ Pumped	☐ Poured	
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]	1898 to 2000	☒ Pumped	☐ Poured	
☐ Sand Pack [< 0.2 in.]	to	☐ Pumped	☐ Poured	
☐ Other, explain:	to	☐ Pumped	☐ Poured	

7. WATER QUALITIES
Static water level: 607 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 65 ° Fahrenheit
Water Quality: good

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
air lift	5		24
	40.	152916°N	NAD27
	116.	6021683°W	

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name NATIONAL EWP
Contractor
Address 580 W SILVER ST ELKO NV 89801
Contractor

Nevada contractor's license number as issued by the *State Contractor's Board:* 0075355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2481

Signed: Kevin Simpson
By driller performing actual drilling on site or contractor
Date: 8/23/2012

(Rev. 08-12) **USE ADDITIONAL SHEETS IF NECESSARY**