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

OFFICE USE ONLY
Log No. 121087
Permit No. 77179
Basin No. 054

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. 71764
WELL NAME *(If applicable)*: DW-39

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

DETAILED ADDRESS AT WELL LOCATION
Humboldt River Basin
Subdivision Name: *County:* Lander

2. PLS LOCATION se ¼ sw ¼ 31 Sec 27 N/S 48 E
PERMIT/WAIVER NO. 77179 *Issued by Water Resources* order 1189 *Current Parcel No.*

Latitude UTM E 533182.871 [x] NAD 27
Longitude UTM N 4445500.296 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[x] New Well [ ] Deepen: Orig WL#
[ ] Replacement: Original well log #
[ ] Recondition: Original well log #

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Monitor
[x] Mining / Dewater [ ] Com / Ind [ ] Stock
[ ] Test / Other [ ] Mun / QM [ ] Rec

5. WELL TYPE
[ ] Auger [x] Rotary [ ] RVC
[ ] Air [ ] Mud [ ] Sonic
[ ] Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Aluvium w/some tuft			0	910	910
2 diameter .188 wall					
Gravel fill +1-456'					
NAD 27					
40.161096°N					
116.610362°W					

Date started: 14-Oct , 20 14
Date completed: 1-Nov , 20 14

9. *WELL CONSTRUCTION*
Depth Drilled: 910 Feet Depth Cased: 900 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
26	Inches	0	Feet	37	Feet
19	Inches	37	Feet	910	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22	86.61	.375	0	37
10.75	40.48	.365	+2	900
2	4	.188	+1.5	860

PERFORATIONS:
Type of perforation: pipe based wire wrap
Size of perforation: 0.06
From 480 Feet To 680 Feet
From 700 Feet To 880 Feet
From Feet To Feet

ANNULAR MATERIALS

[x] Sanitary Seal	0	to	440		
[x] Neat Cement	0	to	440	[x] Pumped	[ ] Poured
[ ] Cement Grout		to		[ ] Pumped	[ ] Poured
[ ] Concrete Grout		to		[ ] Pumped	[ ] Poured
[x] Bentonite Chips	440	to	450	[ ] Pumped	[x] Poured
[ ] Bentonite Grout		to		[ ] Pumped	[ ] Poured
[ ] 15 % [ ] 20 % [ ] Other, explain:					
[ ] Gravel Pack [> 0.2 in.]		to		[ ] Pumped	[ ] Poured
[x] Sand Pack [< 0.2 in.]	450	to	910	[ ] Pumped	[x] Poured
[ ] Other, explain:		to		[ ] Pumped	[ ] Poured

7. *WATER QUALITIES*
Static water level: 359 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: cool ° Fahrenheit
Water Quality:

8. WELL TEST DATA
Test Method: [ ] Bailer [ ] Pump [x] Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
25		

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:* 75355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2385

Signed: James M Moy
By driller performing actual drilling on site or contractor
Date: 11/4/2014

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(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY