pg. 1/2

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

OFFICE USE ONLY
Log No. 116616
Permit No.
Basin No. 129

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. 68730 ✓
WELL NAME (If applicable): SV12-605W

1. OWNER/CLIENT NAME BARRICK GOLD OF NORTH AMERI(
MAILING ADDRESS P.O. BOX 29 ELKO NV 89803

DETAILED ADDRESS AT WELL LOCATION Barrick Mine
129 ~~28N~~ 34E AC;40.3421511 70N, 118.143902763 W
Subdivision Name: County: PERSHING

2. PLS LOCATION SW ¼ NE ¼ 34 Sec 29 N/S 34 E
PERMIT/WAIVER NO. M/O1839
Issued by Water Resources Current Parcel No.

Latitude UTM E ☐ NAD 27
Longitude UTM N ☒ 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
QAL-ALUVIUM					
TUFF					
40.342242 °N	NAD 27				
118.142930 °W					

RECEIVED 2012 SEP -5 AM 9:56 STATE ENGINEERS OFFICE

Date started: 16-Aug, 20 12
Date completed: 18-Aug, 20 12

9. WELL CONSTRUCTION
Depth Drilled: 420 Feet Depth Cased: 420 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10 5/8	Inches	0	Feet	420	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8	10.8	1.56	+4	50
4.5	11.36	.250	+3	420

PERFORATIONS:
Type of perforation: SLOT
Size of perforation: 0.04
From 395 Feet To 415 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to	50		
☐ Neat Cement		to		☐ Pumped	☐ Poured
☒ Cement Grout	390	to	393	☒ Pumped	☐ Poured
☐ Concrete Grout		to		☐ Pumped	☐ Poured
☐ Bentonite Chips		to		☐ Pumped	☐ Poured
☒ Bentonite Grout	50	to	390	☐ Pumped	☐ Poured
☐ 15 % ☒ 20 % ☐ Other, explain:					
☐ Gravel Pack [> 0.2 in.]		to		☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	393	to	420	☐ Pumped	☐ Poured
☐ Other, explain:		to		☐ Pumped	☐ Poured

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

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

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

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name ROBERT OESCHGER Hard Rock Exploration Inc.
Contractor
Address 5905 SKY TERRACE CT - RENO NV 89511
Contractor
Nevada contractor's license number as issued by the State Contractor's Board: 0048915A
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on site driller): 1670
Signed: [signature]
By driller performing actual drilling on site or contractor
Date: 1-Sep-12

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY

8-16 - 8-18

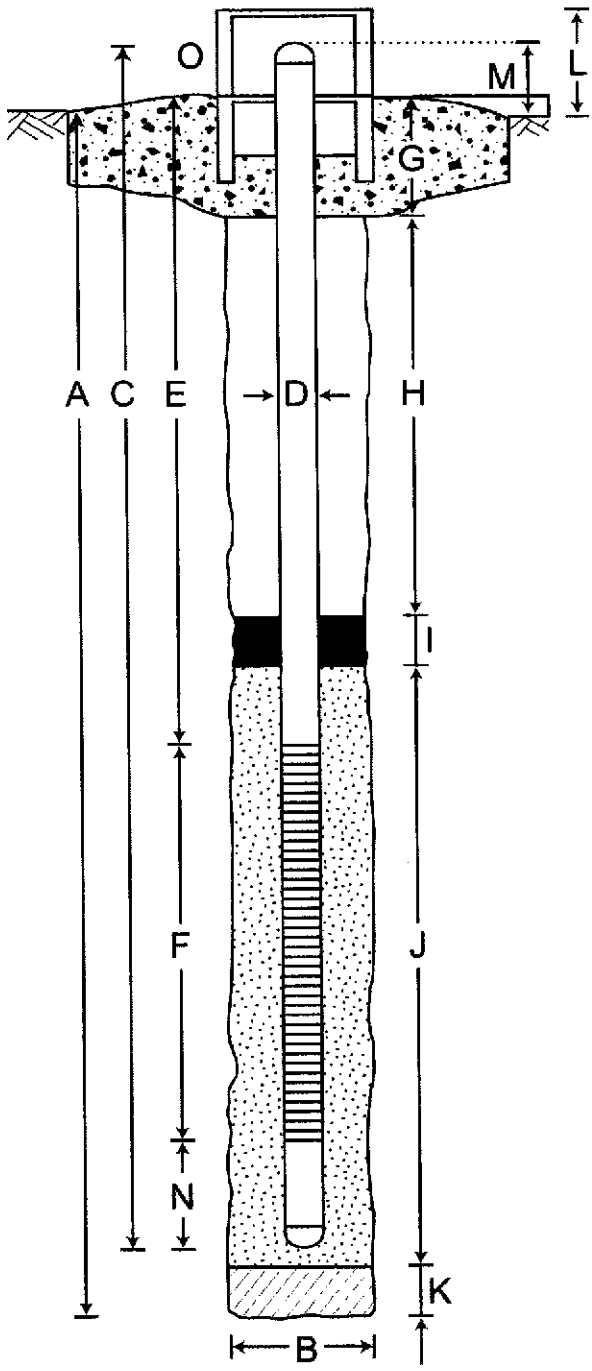
log #116166 pg. 2/2
Basin 129

integral

Figure 3f
Proposed Monitoring Well Construction Diagram

Project Number:	C855	Boring/Well ID:	Proposed Monitoring Well Diagram (SV12-605W)
Project Name:	Barrick Spring Valley, NV	Top of Casing Elevation (at Mark):	
Project Location:	Spring Valley, NV	Collar Elevation:	5626

6 5/8 Surface Casing 50' TD + 4' Stick up



Boring

A. Total Depth (feet): ~~380~~ 420'

B. Diameter (inches): 10 5/8

Drilling Method: Mud Rotary

Well Construction

C. Casing Length (feet): ~~383~~ 423'

Material:

D. Diameter (inches): 4.5 (OD)

E. Depth to Top of screen (feet): ~~355~~ ~~350~~ 395'

F. Screened Interval (from/to-feet): ~~395-375~~ 395' to 415'

Screen Type:

Screen Size (inches): 0.040 slot

G. Surface Grout (from/to-feet): 0' to 50'

Materials: Neat Cement & Superplug

H. Backfill (from/to-feet): 50' to 390'

Backfill Material: Superplug - Barite - 1/4 chips

I. Bentonite Seal (from/to-feet): ~~353-383~~ 390' to 393'

Material: bentonite + Cement + 1/4 chips

J. Filter Pack (from/to-feet): ~~350-380~~ 393' - 420'

Pack Material/Size: 8-12 sand pack

K. Bottom Zone if Needed (from/to-feet): 0

Material:

L. Surface Monument Height above Grade (feet): 4

M. Stickup height (feet): 3

N. Silt Trap Length (feet): 5'

O. Type of Surface Monument: 6 5/8 Steel 4' AGL