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WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 17875

1. OWNER BHP NEVADA MINING CO. ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS PO. BOX 382
RUTH NV 89319
 2. LOCATION NW 1/4 SW 1/4 Sec. 17 T. 16 SR 62 E WHITE PINE County
 PERMIT NO. M/O-1101 Parcel No. _____ Subdivision Name _____
Issued by Water Resources

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
 5. WELL TYPE
 Cable Rotary RVC
 Air Other _____

6. LITHOLOGIC LOG WELL NO. 11

Material	Water Strata	From	To	Thick-ness
ALLUVIUM: SILTY GRAVEL	N	0	6'	6'
BEDROCK: LIMESTONE	N	6'	85'	79'
BEDROCK: FRACTURED & OXIDIZED LIMESTONE	N	85'	140'	55'

PLUGGING CRITERIA:

① PVC PIPE LEFT IN-PLACE

② BENTONITE "HOLEPLUG" ~~POURED~~
 IN SEQUENCE OF 150 lb WITH
 150 GALLONS WATER IN 3
 LIFTS TO 20' bgs.
 (12% BENTONITE BY WEIGHT)

③ UPPER 20' SEALED WITH
 NEAT CEMENT.

8. WELL CONSTRUCTION
 Depth Drilled 140 Feet Depth Cased 140 Feet

HOLE DIAMETER (BIT SIZE)
 From 8 Inches To 140 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4</u>	<u>PVC</u>	<u>SCH. 40</u>	<u>0</u>	<u>140</u>

Perforations:
 Type perforation SLOT
 Size perforation 0.020"
 From 118 feet to 138 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No 0-20' Seal Type:
 Depth of Seal 20'-140' BENTONITE Neat Cement
 Placement Method: Pumped "HOLEPLUG" Cement Grout
 Poured; 10 50-lb BAGS AND 500 GAL H2O FOR HYDRATION
 Concrete Grout
 Gravel Packed: Yes No
 From 112 feet to 140 feet

9. WATER LEVEL
 Static water level NOT ENCOUNTERED feet below land surface
 Artesian flow N/A G.P.M. N/A P.S.I.
 Water temperature N/A °F Quality N/A

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name SRK Contractor
 Address 1755 E. Plumb Lane #241 Contractor
Reno, NV 89502
 Nevada contractor's license number issued by the State Contractor's Board _____
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1629
 Signed [Signature]
 By driller performing actual drilling on site or contractor
 Date 3/29/98

Date started 2/20 1998
 Date completed 2/20 1998

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

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



STEFFEN ROBERTSON & KIRSTEN (U.S.), INC.
1755 E. Plumb Lane, Suite 241, Reno, Nevada 89502
Phone: (702) 786-3225 Fax: (702) 786-4435

Page 2
Log # 71074
NOI 17875

MEMORANDUM

Date: March 20, 1998

To: State Engineer, Nevada Division of Water Resources

From: Peter R. Kraatz, Monitoring Well Driller's License No. M1629

Re: Well Plugging Report for Well 11 (NOI No. 17875, NDWR Permit No. M/0 1101)

CC: BHP Nevada Mining Co. Project Number: 65416

Urgent For Review Please Comment As Requested For Your Use

Comments:

Attached is well driller's report for plugging the above well. A summary of well conditions is provided below:

- (a) Well condition prior to well plugging appeared to be satisfactory.
- (b) No groundwater was encountered before plugging or at anytime during drilling or monitoring of the well.
- (c) Well depth is 140 feet below ground surface (bgs), with a pipe diameter of 4 inches.
- (d) Plugging materials fill the entire well pipe annulus.
- (e) Existing perforations in the well pipe are from 118 to 138 feet bgs, slotted, and 0.020" in size.
- (f) No debris was encountered in, milled out or retrieved from the well.
- (g) The well volume (pipe annular space) to 20 feet bgs is calculated at 10.5 ft³, and a bentonite/water (at 12% bentonite by weight) volume equal to 10.0 ft³ was calculated to occupy the pipe annular space to 20 feet bgs, indicating that no bridging occurred during the bentonite placement. From 20 feet bgs to the ground surface, neat cement was placed occupying the entire annulus from 0 to 20 feet bgs of 1.75 ft³.