RBW-15

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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

OFFICE USE ONLY
Log No. 48669
Permit No.
Basin 028

NOTICE OF INTENT NO. 29508

1. OWNER HECLA MINING COMPANY
MAILING ADDRESS 6500 MINERAL DR.
COEUR D'ALENE, ID 83814-8788

ADDRESS AT WELL LOCATION
HECLA ROSEBUD MINE

2. LOCATION NW ¼ NW ¼ Sec. 19 T. 34 N/S R. 30 E. PERSHING County

PERMIT NO. ~~WA~~ 61914T (Issued by Water Resources) | N/A (Parcel No.) | N/A (Subdivision Name)

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ~~Mining~~ ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☒ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
VOLCANICS		0	1166	1166
SEDIMENTARY		1166	1330	164
8" CASING CEMENTED FROM				
1050' TO 925'				
FOR POSSIBLE FRACTURING				

Date started NOVEMBER 26, 19 95
Date completed DECEMBER 6, 19 95

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
100	80	2

8. WELL CONSTRUCTION
Depth Drilled 1330 Feet Depth Cased 1320 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
20-1/2 Inches		0 Feet	19 Feet
14-3/4 Inches		19 Feet	1330 Feet
Inches		Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	62.58	.375	0	19
8-5/8	28.55	.322	+2	1320

Perforations:
Type perforation SLOTTED & LOUVERED
Size perforation .100
From 1160 feet to 1220 feet LOUVERED
From 1220 feet to 1300 feet SLOTTED
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 50
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 50 feet to 1330 feet

9. WATER LEVEL
Static water level 600 feet below land surface
Artesian flow G.P.M. P.S.I.
Water temperature 78 °F Quality GOOD

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name LANG EXPLORATORY DRILLING (Contractor)
Address 2286 WEST 1500 SOUTH (Contractor)
SALT LAKE CITY, UTAH 84104

Nevada contractor's license number issued by the State Contractor's Board 0021976

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1733

Signed BRYON WERNER *Bryon Werner*
By driller performing actual drilling on site or contractor

Date 12-07-95

RECEIVED 1996 JAN 17 AM 11:38 DIVISION OF WATER RESOURCES

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627