

STATE OF NEVADA
 DIVISION OF WATER RESOURCES



OFFICE USE ONLY

Log No. 92322
 Permit No. _____
 Basin ORS

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. 51304

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

1. OWNER HECLA Mining Company ADDRESS AT WELL LOCATION ROSEBUD
 MAILING ADDRESS P.O. Box 2610
Winn, NV 89445

2. LOCATION NE 1/4, NE 1/4 Sec 24 T. 34 N/S R. 29 E Pershing Co County
 PERMIT NO. 60308 Parcel No. N/A Subdivision Name _____

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Probe well STATIC 145' Total Depth 1307				
Tried to pull 4" pipe from well joint failed				
Tried into hole with hydraulic perforator				
Punch holes at 90° every foot from 300ft to 20ft				
Run Tremie line into 1300' pump 155 Sacs				
of Abanionite static raised to 45'				
pour 3/4 hole plug to establish a plug				
Let stand soak chips with water				
to swell finish pouring 3/4 hole				
24 Sacs 3/4 hole Plug				
mix + pump 6 Bags of Neat Cement				
Bring seal to surface				
155 Sacs Abanionite				
24 Sacs 3/4 hole plug				
6 Sacs Neat Cement				
Cut casing and reclaim surface				

8. WELL CONSTRUCTION
 Depth Drilled 1310 Feet Depth Cased 1310 Feet

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

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type perforation Hydraulic Punch
 Size perforation 1/2" +
 From 20' feet to 300' feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout
 Depth of Seal 20'
 Placement Method: Pumped Poured
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL
 Static water level 146 feet below land surface
 Artesian flow No G.P.M. NA P.S.I. _____
 Water temperature NA °F Quality NA

Date started Nov 5 2003
 Date completed Nov 8 2003

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name FRED ANDERSON DRILLING INC Contractor
 Address 10760 Grass Valley Road Contractor
Winn, NV 89445
 Nevada contractor's license number issued by the State Contractor's Board 021467
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 01375
 Signed [Signature]
 Date Nov 17 2003