

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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. Not Required

1. OWNER HECLA MINING COMPANY ADDRESS AT WELL LOCATION Rockaid Mine
MAILING ADDRESS P.O. Box 1861 7000 Pitt Rd
Loveock, NV 89419 Loveock, NV 89417

2. LOCATION NW 1/4 SE 1/4 Sec. 24 T. 34 S R. 29 E Pershing County
PERMIT NO. MO-843 Issued by Water Resources Parcel No. Subdivision Name

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 HSA

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<i>See Attached Log</i>				
<u>GT-94-11</u>				
<div style="display: flex; justify-content: space-between;"> 95 MAY 15 P2:18 RECEIVED STATE ENGINEERS OFFICE </div>				

8. WELL CONSTRUCTION
Depth Drilled 18.0 Feet Depth Cased 18.0 Feet

HOLE DIAMETER (BIT SIZE)
From 8.0 Inches 18.0 Feet 0 Feet
Inches..... Feet..... Feet
Inches..... Feet..... Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>2.0</u>	<u>0.70</u>	<u>Schedule 40 PVC</u>	<u>13.0</u>	<u>0</u>

Perforations:
Type perforation Machine Slot
Size perforation 0.020
From 18.0 feet to 13.0 feet
From..... feet to..... feet
From..... feet to..... feet
From..... feet to..... feet
From..... feet to..... feet

Surface Seal: Yes No Seal Type:
Depth of Seal 5.0 ft bgs Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout

Gravel Packed: Yes No
From 18.1 feet to 12.0 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

Date started 22 September, 1994
Date completed 22 September, 1994

7. WELL TEST DATA

TEST METHOD:	TEST METHOD:		
	Bailer	Pump	Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
<u>N/A</u>			

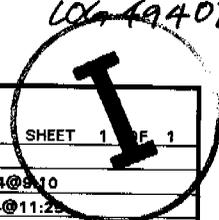
10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Brian Nance / Haz Tech Drilling, Inc. Contractor
Address 3131 Lanark Suite B Contractor
Meridian, ID 83642

Nevada contractor's license number issued by the State Contractor's Board 0023-111
Nevada driller's license number issued by the Division of Water Resources, the on-site driller N/A

Signed [Signature]
By driller performing actual drilling on site or contractor
Date 5-11-95

06-49408



GT-94-11

BOREHOLE NUMBER: **GT-94-11** SHEET 1 OF 1

BORING LOCATION: **N 2201108.697/ E 476538.475** Tailing embankment: **Mid-south** SURFACE ELEVATION: **4822.6**

DRILLING CO.: **Haz-Tech Drilling Inc.** DRILLER: **B. Nance** DATE/TIME STARTED: **22 SEP 94@8:10**

EQUIPMENT: **CME - 75 Super** DATE/TIME FINISHED: **22 SEP 94@11:25**

WATER DEPTH: **N/A** DATE/TIME OF DEPTH: **N/A** LOGGED BY: **M. Fairhurst**

ELEV. DEPTH	SOIL PROFILE	SAMPLES				DEPTH (UNITS)	STANDARD PENETRATION TEST ▲ 'N' BLOWS PER FOOT				WELL CONSTRUCTION					
		USCS CLASS	NO.	TYPE	BLOW COUNT/6"		20	40	60	80						
4822.6 0.1	Compact to dense, moderate brown (5YR 4/4), non-stratified, c-f sub-angular GRAVEL (variety of clast types) and c-f sub-angular SAND, some Silt, damp-moist (ALLUVIUM/COLLUVIUM?) (BADGER FORMATION)	GM	1	SPT	8 15 21	5.0	WATER CONTENT, PERCENT & RANGE				<p>Top PVC elev: 4824.66'</p>					
4812.6 10.0							SM	2	SPT	18 18 24		10.0	Wp	Wn	WL	80
4806.3 16.3													SM	3	SPT	8 12 28
4804.5 18.1	N/A	4	SPT	50/2"												
	Bottom of Hole at 18.1' Refusal in rock															

WELL CONSTRUCTION DETAILS

CASED INTERVAL: 13.0 - 0	BENTONITE INTERVAL: 12.0 - 5.0
CASING MATERIAL: Schedule 40 PVC	GROUT INTERVAL/TYPE: 5.0-0/ Cement-bentonite
CASING DIAMETER: 2.0 in.	SCREENED INTERVAL: 18.0 - 13.0
FILTER INTERVAL/TYPE: 18.1-12/ 8-20 Sand	SURFACE CASING WITH LOCK: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

DISCLAIMER: This log is not to be used separately from the engineering report.

NOTE 1: See Cover Page For Legend And Soil Description Methodology **NOTE 2:** N/A

Project No.: 864	Design By: M. Fairhurst	Scale: 44:1
File: RSBUD	Drawn By: M. Fairhurst	Date: 6 February, 1995

Rosebud Project

TerraMatrix
Engineering & Environmental Services
1476 Pine Grove Road, P.O. Box 774018
Steamboat Springs, Colorado 80477

Figure 11

HECLA MINING COMPANY

ACZE 13 APR 95