

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

OFFICE USE ONLY
Log No. 116544
Permit No. 064
Basin 064

PRINT OR TYPE ONLY
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Please complete this form if its entirety in
accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 69246

1. OWNER Mariagedd Mining Co. ADDRESS AT WELL LOCATION Mariagedd mine
MAILING ADDRESS PO Box 160 Valmy, NV 89438 well ID: LOMP-5-A

2. LOCATION NE 1/4 SE 1/4 Sec 9 T 33 N SR 43 E Latitude 489010 UTM E 489010 NAD 27
PERMIT/WAIVER No. MO 1854 Longitude N 4510514 NAD 83/WGS 84
Issued by Water Resources Parcel No. Subdivision Name: County: Humboldt

3. WORKED PERFORMED
 New Well Replace Recondition
 Deepen Other...

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

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

LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
Alluvium		0'	440'	
Quartzite Bedrock		440'	750'	
set 4" PVC to 750' w/ screen from 750' to 690'				
set gravel pack from 750' to 688'				
sealing seal from 688' to 686'				
3/8" chip Rock Fill from 686' to 50'				
surface seal at Portlands cement grout from 50' to 0'				

8. WELL CONSTRUCTION
Depth Drilled 750' Feet Depth Cased 750' Feet

HOLE DIAMETER (BIT SIZE)
From 0' To 20' Feet
14 3/4" Inches 0' Feet 20' Feet
8 3/4" Inches 20' Feet 750' Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4"</u>		<u>Sch 80</u>	<u>750'</u>	<u>0'</u>

Perforations:
Type of perforation slotted
Size of perforation 1/2" x .25"
From 750' feet to 690' feet
From _____ feet to _____ feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
Depth of Seal 50' Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout
Gravel Packed: Yes No
From 750' feet to 688' feet

9. WATER LEVEL
Static water level 480' feet below land surface
Artesian flow N/A G.P.M. 23 P.S.I.
Water temperature 60.1 °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 Boat Long Year NV Contractor
Address PO Box 2748 ELKO, NV 89803 Contractor
Nevada contractor's license number issued by the State Contractor's Board 0073086
Nevada driller's license number issued by the Division of Water Resources, the on-site driller M-2291
Signed [Signature]
By driller performing actual drilling on site or contractor
Date 12-16-12

Date started 12-11-12 2012
Date completed 12-16-12 2012

7. WELL TEST DATA			
TEST METHOD:	Bailer	Pump	<input checked="" type="checkbox"/> Air Lift
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>750'</u>	<u>23</u>		<u>4</u>

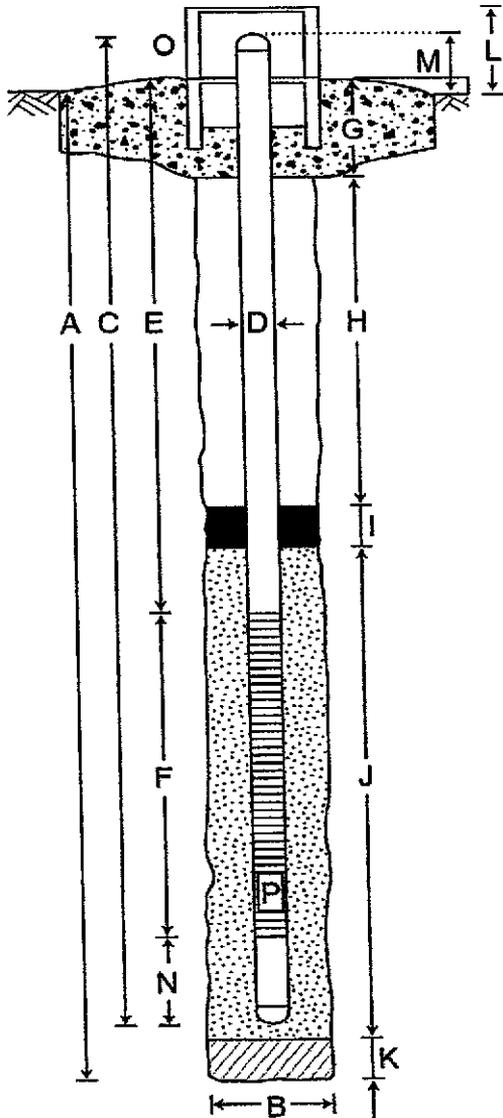
(Rev. 06/10) 40.747451' N NAD27
117.130176' W

USE ADDITIONAL SHEETS IF NECESSARY



Monitoring Well Construction Diagram

Geomega Project Number: _____ Boring/Well ID: LDMP-5A
 Project Name: _____ Top of Casing Elevation (at Mark): _____
 Project Location: _____ Ground Surface Elevation: _____
 Well Permit Number: _____ Datum: _____
 Date Started: _____ Date Finished: _____
 Notes: _____



Exploratory Boring

A. Total Depth (feet): 500
 B. Diameter (inches): 8
 Drilling Method: Reverse circulation

Well Construction

C. Casing Length (feet): 502.5
 Material: Steel/PVC
 D. Diameter (inches): 4
 E. Depth to Top of Perforations (feet): 440
 F. Perforated Interval (from/to-feet): 440 - 500
 Perforated Type: Machined slots
 Perforated Size (inches): 0.25
 G. Surface Grout (from/to-feet): 0 - 50
 Materials: Neat Portland cement
 H. Backfill (from/to-feet): 50 - 436
 Backfill Material: Bentonite chips
 I. Bentonite Seal (from/to-feet): 436 - 438
 Material: Bentonite Pellets
 J. Filter Pack (from/to-feet): 438 - 500.5 (not to exceed 2' above screen)
 Pack Material/Size: Gravel, 3/8"
 K. Bottom Zone if Needed (from/to-feet): NA
 Material: _____
 L. Surface Monument Height above Grade (feet): 3
 M. Well Casing Height above Grade (feet): 2
 N. Silt Trap Length (feet): 0.5
 O. Type of Surface Monument: Steel locking
 P. Transducer Locations (feet): 480

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