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

OFFICE USE ONLY
Log No. 108400
Permit No.
Basin 064

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 63020

1. OWNER Marigold Mining Company
MAILING ADDRESS PO Box 160
Valmy, NV 89438

ADDRESS AT WELL LOCATION 2 Miles South of Valmy
Subdivision Name: County: Humboldt

2. LOCATION SW ¼ SW ¼ Sec 4 T 33N N/S R 43 E
PERMIT/WAIVER No. ~~51886~~ 76457
Issued by Water Resources Parcel No.

Latitude 40* 45.570 N
Longitude 117* 08.915 W
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Sand, Gravel & Cobbles		0'	40'	40'
Sand, Gravel & Cobbles				
w/Some Clay		40'	200'	160'
Sand, Gravel & Rock		200'	390'	190'
Gravel & Clay		390'	400'	10'
Consolidated Gravels		400'	620'	220'
Consolidated Gravels w/ Small				
Amount of Clays		620'	740'	120'
Brown Limestone		740'	880'	140'
Black Shale		880'	940'	60'
Fractured Basalt Hard		940'	970'	30'

40.759592°N
117.147641°W
NAD 27

Date started: 13-Jun , 20 09
Date completed: 24-Jun , 20 09

9. WELL CONSTRUCTION
Depth Drilled 970' Feet Depth Cased 960' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
36"	Inches	0'	Feet	30'	Feet
17.5"	Inches	30'	Feet	970'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30"		.250"	0'-5'	25'-30'
30"		CORRUGATED	5'	25'
12.75"		.312"	.2'	960'

Perforations:
Type of perforation LOUVERED
Size of perforation 0.090"
From 360' feet to 960' feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement 0' to 30' ☒ Pumped ☐ Poured
☒ Cement Grout 0' to 100' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 100' to 970' ☐ Pumped ☒ Poured
Type: GOPHER GRAVEL 1/4" X 1/8"
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 445.0' feet below land surface
Artesian Flow: No G.P.M. P.S.I.
Water Temperature: Cool °F
Quality:

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
CONSTANT	800	26.2'	8HRS
PL 471.20'			

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Hydro Resources Nevada Inc dba Humboldt Drilling & Pump Co
Contractor
Address 4975 W Winnemucca Blvd
Contractor
Winnemucca, NV 89445
Nevada contractor's license number issued by the *State Contractor's Board* 56797
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* # 2177
Signed Cheryl Jaynes - Office
By driller performing actual drilling on site or contractor
Date 7/29/2009

(Rev. 06-08)

USE ADDITIONAL SHEETS IF NECESSARY