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

OFFICE USE ONLY
Log No. 118317
Permit No.
Basin 064

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

NOTICE OF INTENT NO. 70083

1. OWNER Marigold mining company
MAILING ADDRESS Po box 160 valmy nv 89438

ADDRESS AT WELL LOCATION Marigold mine
Subdivision Name: County: Humbolt

2. LOCATION Se ¼ Sw ¼ Sec 19 T 33 N/S R 43 E
PERMIT/WAIVER No. M/o-1854 (Issued by Water Resources) Parcel No.

Latitude
Longitude
UTM E 484709 ☑ NAD 27
N 4506861 ☐ 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
Hole #rd19-3		0	100	
Alluvium				40
Siltstone		100	994	135
Brown siltstone		175	330	155
Unoxidized siltstone		330	355	25
Brown siltstone		355	560	205
Limestone		560	685	125
Limy siltstone		685	770	85
Conglomerate		770	835	65
Quartz site & argillite mix		835	1280	445
Unoxidized quartz site & argillite		1280	1500	220

RD 19-3

Date started: 2/22, 20 13
Date completed: 3/4, 20 13

9. WELL CONSTRUCTION
Depth Drilled 1500 Feet Depth Cased 1498 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12.25"	Inches	0	Feet	20	Feet
7"	Inches	20	Feet	1190	Feet
6.75"	Inches	1190	Feet	1500	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8"	N/a	.25	+3'	20'
2"	5	.154"	+2	1498'

Perforations:
Type of perforation Vertical slot
Size of perforation .25"
From 1498' feet to 998' 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 100 ☑ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☑ ≥30% Bentonite Grout 100 to 994 ☑ Pumped ☐ Poured
Gravel Pack: ☑ Yes ☐ No 1500' to 996' ☐ Pumped ☑ Poured
Type: 3/8"gravel
Bentonite Chips: ☑ Yes ☐ No to ☐ Pumped ☑ Poured
Type: Coated pellets 994'-996'

7. Water Level
Static water level: 634' feet below land surface
Artesian Flow: N/a 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)
150	N/a	1hr

NAD27
40.714428°N
117.181032°W

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear Nevada (Contractor)
Address PO Box 2748 (Contractor)
Elko, NV 89803
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 1942
Signed William Riley (By driller performing actual drilling on site or contractor)
Date 3/11/13

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(Rev. 03-06)

USE ADDITIONAL SHEETS IF NECESSARY