

**WELL DRILLER'S REPORT**

Please complete this form in its entirety  
 DBA Marigold Mining CO.

NOTICE OF INTENT NO. 11961

PRINT OR TYPE ONLY

1. OWNER Rayrock Mines, Inc. ADDRESS AT WELL LOCATION 1 mile south of Valmy  
 MAILING ADDRESS PO Box 9  
Valmy, NV 89438  
 2. LOCATION SW 1/4 SW 1/4 Sec. 33 T. 34N N/S R. 43 E Humbolt County  
 PERMIT NO. 51884 Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
 New Well  Recondition   
 Deepen  Other   
 4. PROPOSED USE  
 Domestic  Irrigation  Test   
 Municipal  Industrial  Stock   
 5. TYPE WELL  
 Cable  Rotary   
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Gravel		0	25	25
Tan clay		25	55	30
Gravel-quartzite boulders		55	85	30
Tan clay with few gravel stringers		85	185	100
Limestones & siltstones		185	385	200
Red shale		385	500	115
Fine sand with clay stringers		500	600	100

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8. WELL CONSTRUCTION  
 Diameter 17 1/2 inches Total depth 600 feet  
 Casing record 12.75"  
 Weight per foot \_\_\_\_\_ Thickness \_\_\_\_\_  

Diameter	From	To
<u>12.75</u> inches	<u>0</u> feet	<u>320</u> feet
<u>12.75</u> inches	<u>400</u> feet	<u>480</u> feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet

 Surface seal: Yes  No  Type Neat cement  
 Depth of seal 0-50 feet  
 Gravel packed: Yes  No   
 Gravel packed from 50 feet to 600 feet  
 Perforations:  
 Type perforation Wire wrapped & louvered  
 Size perforation 1/8"  
 From 320 feet to 340-Cont slot feet  
 From 340 feet to 400-Louvered feet  
 From 480 feet to 520-Cont slot feet  
 From 520 feet to 560-Louvered feet  
 From 560 feet to 600-Cont slot feet

Date started 1-6 1989  
 Date completed 1-30 1989

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
<u>3500</u>	<u>420</u>	<u>91</u>	<u>24</u>

BAILER TEST  
 G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
 G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
 G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours

9. WATER LEVEL  
 Static water level 195.5 feet below land surface  
 Flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature cold °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 Stewart Brothers Drilling Co.  
 Address PO Box 2067, Grants, NM 87021  
 Nevada contractor's license number 26661  
 issued by the State Contractor's Board  
 Nevada contractor's driller's number 1447  
 issued by the Division of Water Resources  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1545  
 Signed [Signature]  
 By driller performing actual drilling on-site or contractor  
 Date 2-17-89