

**WELL DRILLERS REPORT**

PRINT OR TYPE ONLY

Please complete this form in its entirety

NOTICE OF INTENT NO. 7657

1. OWNER Tenneco Minerals ADDRESS AT WELL LOCATION SAME  
 MAILING ADDRESS Manhattan, NV 89022 West Pit Dewatering Well at Manhattan Mine  
P.O. Box 56  
 2. LOCATION SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 19 T. 8 N S R. 44 E. Nye County  
 PERMIT NO. 49683  
 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	37	37
Sandy phyllitic qtz. and mica schists	-	37	380	343
Massive silica veining yes		380	405	25
Same as 37 - 380	-	405	420	15
Massive silica veining yes		420	455	35
Same as 37 - 380	-	455	512	57

8. WELL CONSTRUCTION  
 Diameter hole 12.25 inches Total depth 512 feet  
 Casing record 8.625 in. diameter  
 Weight per foot 16.79 Thickness 1.875  

Diameter	From	To
<u>17.5</u> inches	<u>0</u> feet	<u>50</u> feet
<u>12.25</u> inches	<u>50</u> feet	<u>512</u> feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet

 Surface seal: Yes  No  Type 6 sk. sand mix  
 Depth of seal 50 feet  
 Gravel packed: Yes  No   
 Gravel packed from surface feet to 512 feet  
 Perforations:  
 Type perforation 1/8 x 3" factory slot  
 Size perforation 1/8 x 3"  
 From 239 feet to 512 feet  
 From ..... feet to ..... feet

9. WATER LEVEL  
 Static water level 240 feet below land surface  
 Flow 125 G.P.M. w/ air lift P.S.T.  
 Water temperature COOL ° F. Quality good

10. DRILLERS CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.  
 Name Gene Mapel - Sargent Irrigation Co.  
 Contractor  
 Address 9955 N. Virginia Reno, NV 89506  
 Contractor  
 Nevada contractor's license number 21246  
 Nevada contractor's drillers number 1388  
 Nevada driller's license number 1461  
 Actual Driller  
 Signed Gene Mapel  
 Contractor  
 Date November 4, 1986

Date started September 16, 1986  
 Date completed October 13, 1986

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

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