WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 23714
Permit No.
Basin

Frank

1. OWNER Warren Estates ADDRESS Box 915, Warren
Box 915 Rancho Santa Fe 92067
2. LOCATION S W ¼ N W ¼ Sec. 26 T. 19 N/S R. 19 E. Washoe County
PERMIT NO. 40310

3. TYPE OF WORK
New Well ☑ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE Geothermal
Domestic ☐ Irrigation ☐ Test ☐
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☑
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
redish grey clay hard		691	699	8
hard volcanic rock		699	726	27
fractured area black rock c̄ chips		726	750	24
fractured small cold water mud temp rising rapidly		750	777	27
Hard volcanic rock c̄ fine fractures		777	791	14
Very fractured zone fifty per cent loss of circulation adding 70 GPM of water to mud pit ~~while~~ while continuing drilling as fast as possible to get below area as far as possible adding easy mud to suction of mud pump in order to keep drilling		791	796	5
hard volcanic rock c̄ thin fractures		796	827	31
Fractured area may be water close under this area. Unable to get samples due to loss of circulation at this depth		826	827	1
Hard rock		827	833	6

Date started 3-19, 1982
Date completed 4/19, 1982

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

8. WELL CONSTRUCTION

Diameter hole 16" & 12 inches Total depth 833 feet
Casing record
Weight per foot 33 LB & 26 LB Thickness .250

Diameter	From	To
16 inches	0 feet	733 feet
inches	feet	feet
12 3/4 inches	728 feet	833 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes ☑ No ☐ Type grout pumped
Depth of seal 733 feet
Gravel packed: Yes ☐ No ☑
Gravel packed from feet to feet

Perforations:
Type perforation U.O.P. Irrigation Screen
Size perforation .250
From feet to feet
From 780 feet to 820 feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL

Static water level 93 Feet below land surface
Flow G.P.M. approx. 200
Water temperature 216 ° F. Quality Clear

10. DRILLERS CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Paul E. Williams & Sons
Address 22 So. Patterson, Sparks
Nevada contractor's license number 14483
Nevada driller's license number 957
Signed Paul E. Williams
Date 4/20/82

USE ADDITIONAL SHEETS IF NECESSARY

O-627

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 23711
Permit No. 40310
Basin

1. OWNER Frank Warren ADDRESS Box 915

2. LOCATION SW ¼ NW ¼ Sec. 26 T. 19 N/S R. 19 E. Washoe County
PERMIT NO. 40310 Stout 176235

3. TYPE OF WORK
New Well ☒ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE Geothermal
Domestic ☐ Irrigation ☐ Test ☐
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☒
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Brown clay rocks		0	12	
Sandy brown clay		12	18	
Brown clay		18	113	
Gray shale type clay		113	117	
water gas		117	222	
Gray clay		222	277	
Gray hard packed clay		277	373	
Fractured rock Hard gray clay		373	375	
hard light type material		375	405	
Brown clay mixed black		405	423	
Recent rock cutting				
Tuff type material softly		423	425	
gray + green sandy clay		425	451	
Gray shale type soft rock		451	485	
Chalk in fractures				
hard clay shale type clay		485	510	
Hard black + brown rock warm		510	512	
Clay 1 foot 11 inch tuff				
gray green sandy clay		512	570	
Hard black rock volcanic		570	586	
flow type material				
Black rock volcanic brown clay		586	601	
soft brown clay + black chips		601	621	
Hard gray shale type material		621	627	
Dry clay		627	637	
fractured volcanic type material		637	642	
gray + green volcanic type		642	641	

Date started Feb 19, 1982
Date completed March 19, 1982

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

8. WELL CONSTRUCTION
Diameter hole 16 inches Total depth 833 feet
Casing record
Weight per foot ..... Thickness
Diameter ..... inches From ..... feet To ..... feet
Surface seal: Yes ☐ No ☐ Type
Depth of seal ..... feet
Gravel packed: Yes ☐ No ☐
Gravel packed from ..... feet to ..... feet

Perforations:
Type perforation
Size perforation
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level ..... Feet below land surface
Flow ..... G.P.M.
Water temperature ..... ° F. Quality

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Paul Williams & Sons
Address 22 So. Patterson, Sparks
Nevada contractor's license number 14483
Nevada driller's license number 957
Signed Paul E. Williams
Date 4/20/82

USE ADDITIONAL SHEETS IF NECESSARY

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