

Well # 54

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

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 85169
Permit No. 6-82
Basin 6-82

WELL DRILLER'S REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. _____

1. OWNER Sterra Pacific Power ADDRESS AT WELL LOCATION _____
MAILING ADDRESS P.O. Box 10100
Reno - Nev 89520-0026
2. LOCATION NW 1/4 SE 1/4 Sec. 15 T. 19 N. R. 20 E. MDBM From which the Washoe County
PERMIT NO. Letter Attached Issued by Water Resources Parcel No. SE Sec Cor of said Section 15 Bears S32°45'E at distance of 395 Feet

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Sandy, Silty, Clay</u>		<u>0</u>	<u>23</u>	<u>23</u>
<u>Gravelly Sandy Clay</u>		<u>23</u>	<u>25</u>	<u>2</u>
<u>Slightly Silty Cobblely Gravel Sand</u>		<u>25</u>	<u>39.5</u>	<u>14.5</u>
<u>Blue Clay</u>		<u>39.5</u>	<u>40</u>	<u>.5</u>
<u>Dark Grey Slightly Silty Sand</u>		<u>40</u>	<u>46</u>	<u>6</u>
<u>Slightly Silty Cobblely Sand</u>		<u>46</u>	<u>57</u>	<u>11</u>
<u>Slightly, Silty Cobblely, gravelly Sand</u>		<u>57</u>	<u>67</u>	<u>10</u>

Note - Drilled 12 1/2" Mud Rotary - cased & gravel Packed to Surface

Abandoned
no see driller file

8. WELL CONSTRUCTION
Diameter 12 1/2 inches Total depth 67 feet
Casing record 8 5/8 inches
Weight per foot _____ Thickness 1.28
Diameter From To
8 5/8 inches 0 feet 67 feet
Surface seal: Yes No Type _____
Depth of seal _____ feet
Gravel packed: Yes No
Gravel packed from 0 feet to 67 feet
Perforations:
Type perforation MILL Slotted
Size perforation 3/32 Triple Slotted
From 15 feet to 51 feet

Date started Sept 11, 1990
Date completed Sept 13, 1990

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
	<u>500</u>	<u>35</u>	<u>48</u>

BAILER TEST

G.P.M.	Draw down	feet	hours

9. WATER LEVEL
Static water level 10 feet below land surface
Flow _____ G.P.M. _____ P.S.I.
Water temperature Normal °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 W.M. Blain Well Drilling Contractor
Address 2537 Larky Circle C. Reno 89706 Contractor
Nevada contractor's license number 10950 issued by the State Contractor's Board
Nevada contractor's driller's number 1118 issued by the Division of Water Resources
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1195
Signed C.P. Clark - ALWEST Drilling
By driller performing actual drilling on site or contractor
Date Oct 1 - 1990 & Feb 3, 1991

LOG OF BORING

BORING NO. DW-54 GROUND ELEVATION _____
 LOGGED BY Dwight Smith GROUND WATER DEPTH Approx. 10'
 DATE 9-12-90 DATE MEASURED _____
 TYPE OF BORING 12-1/4" Direct Rotary

NOTES	Sample Number	WELL CONSTR.	Number of Blows	Depth	Log	DESCRIPTION
8:25						0 - 23.0 Brown, <u>Slightly Sandy Silty Clay</u> .
8:30 SWL=10'	3-10			10		23.0 - 25.0 Brown, <u>Gravelly Sandy Clay</u> , 5% gravel, 35% fine to very coarse sand.
	3-15					25.0 - 39.5 Dark gray, <u>Slightly Silty Cobbly Gravelly Sand</u> , fine to very coarse grained, subrounded to angular, 90% lithic (basalt), 10% feldspar and quartz.
	3-20			20		
8:38	3-25					39.5 - 40.0 Bluish gray, <u>Clay</u> .
Connection @ 28'	3-30			30		40.0 - 46.0 Dark gray, <u>Slightly Silty Sand</u> , fine to very coarse grained, subrounded to subangular, 90% lithic, 10% feldspar and quartz.
9:42 10:00 to 11:30 Repair Swivel Head Seal	3-35					46.0 - 57.0 Dark gray, <u>Slightly Silty Cobbly Sand</u> , fine to medium grained, same composition as above, occasional cobbles from 51' to 55' feet.
11:38	3-40			40		
11:42	3-45					57.0 - 67.0 Dark gray <u>Slightly Silty Cobbly Gravelly Sand</u> , as described from 25' - 39 1/2'.
Connection @ 48'	3-50			50		
12:15	3-55					
12:30	3-60			60		
1:08 TD @ 67'						

AS BUILT:

- +3' to 14' Blank casing, 8" I.D., mild steel, 3/16" wall thickness
- 14' to 49' Perforated casing, 8" I.D., mild steel, 8 rows of triple vertical milled slots, 2" x 1/16".
- 49' to 64' Blank casing, 8" I.D., mild steel, 3/16" wall thickness.
- 13' to 67' Gravel Pack, 1/8" to 3/8" Gopher Rock.