FORM NO. 1202 - 1M - 8-51 - BAL

THE LAYNE TEXAS COMPANY, LTD.

HOUSTON -:- DALLAS

S. Virginia Well

MATERIAL SETTING

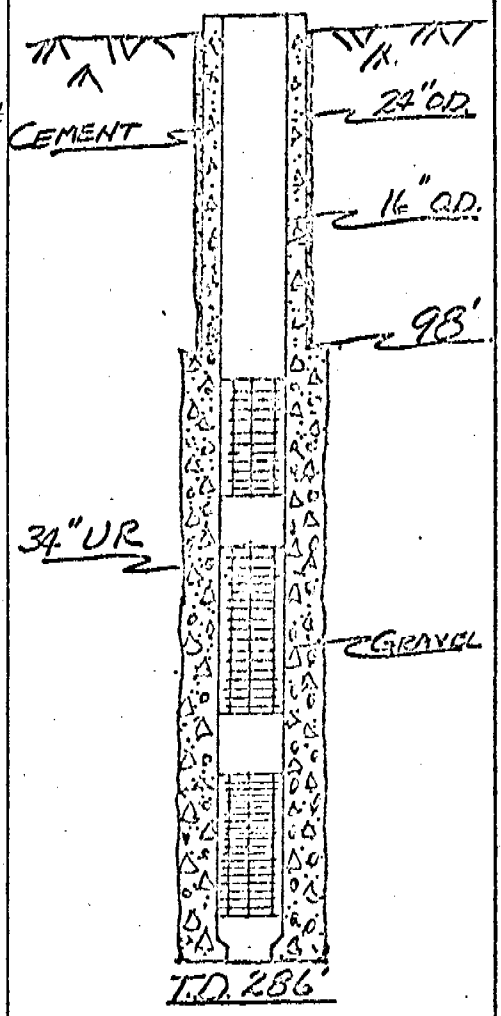
REPORT NO. 8007
S. O. 2454-68
PAGE 1 OF 1
FILE NO. 11-27-68
DATE

CUSTOMER LOCATION	WELL DATA
FOR Sierra Pacific Power Company	South
LOCATION WELL Reno	NAME WELL Virginia WELL NO.
SURVEY Sec.6-TWP18N, FIELD Rge. 20E	ELEVATION St. DATUM
COUNTY Washoe STATE Nevada	TYPE WELL Gravel-wall
OTHER LAND MARKS Center of North Line, South Virginia Street	SURFACE CASING CEMENTED Yes NO. SACKS 200
	SIZE HOLE UNDERREAMED 34" DEPTH 286'
	GRAVEL TYPE Pea NO. CU. YDS. 55
	TYPE SCREEN S.S.W.W.Barlug GAGE .045"
	DRILLER C. Bryant RIG NO. 18
	OTHER H. S. Thompson

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
+2'		24" O.D. surface casing 79.00# above ground
+2'		16" O.D. blank liner 62.58# above ground
+2'		1" O.D. measuring line above ground level
0		Surface
98'	100'	24" O.D. surface casing 79.00#
108'	110'	16" O.D. blank pipe 62.58#
220'	222'	1" O.D. measuring line
144'	36'	16" O.D. S.S. W.W. Barlug screen .045" ga.
158'	14'	16" O.D. blank pipe 62.58#
210'	52'	16" O.D. S.S. W.W. Barlug screen .045" ga.
228'	18'	16" O.D. blank pipe 62.58#
272'	44'	16" O.D. S.S. W.W. Barlug screen .045" ga.
282'	10'	16" O.D. blank pipe 62.58#
283'	1'	16" O.D.x12-3/4" O.D. swage
284'	1'	12-3/4" O.D. nipple
286'	2'	12-3/4" O.D. set nipple & back pressure valve

Total depth 286 ft.

SKETCH



DIVISION OF WATER RESOURCES

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 10366
Permit No. 24759
Basin Truckee Meadows

1. OWNER Sierra Pacific Power Co. ADDRESS P.O. Box 10100 Reno, Nevada

2. LOCATION NW ¼ NE ¼ Sec. 6 TWP 18N N/S R. 20 E. E. Washoe County
PERMIT NO. AS PER SIERRA PACIFIC PERMIT

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	Thickness
Gravel, Little Clay		0	12'	12'
Big Gravel, Clay Stks		12'	20'	8'
Yellow Clay		20'	30'	10'
Big Gravel, Clay stks.		30'	38'	8'
Yellow Clay		38'	41'	3'
Big Gravel		41'	43'	2'
Coarse Sand		43'	51'	8'
Boulders & Sand & Clay		51'	58'	7'
Brown Clay		58'	61'	3'
Boulders & Sand & Clay		61'	63'	2'
Coarse Sand		63'	72'	9'
Clay, Boulders & Sand		72'	75'	3'
Sand, Gravel, Boulders & Clay		75'	98'	23'
Boulders & Clay		98'	100'	2'
Fine Sand & Clay Bks.		100'	110'	10'
Coarse Sand		110'	120'	10'
Fine Sand & Clay Stks.		120'	125'	5'
Coarse Sand, Few Clay stks		125'	138'	13'
Boulders, Sand & Clay Stks.		138'	154'	16'
Sand, Fine Gravel & Clay Stks.		154'	164'	10'
Boulders & Clay		164'	165'	1'
Sand, Fine Gravel & Clay stks.		165'	178'	13'
Clay		178'	179'	1'
Sand, Fine Gravel & Clay stks.		179	203'	24'
Clay		203'	205'	2'
Sand & Clay		205'	211'	6'
Continued on Seperate Page				

Date started 7-26-, 19 68
Date completed 8-22-, 19 68

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
	500	43.66	2
	754	59.35	6
	1191	85.64	8
	1406	99.71	10
	1001	81.26	48

BAILER TEST None

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 24" inches Total depth 286' feet
Casing record 24" x 16" x 12"
Weight per foot 24" - 79.100#, 16" - 62.58# Thickness .312, .375

Diameter	From	To
24" inches	+2' feet	100' feet
16" inches	+2' feet	110' feet
16" inches	144' feet	158' feet
16" inches	228' feet	228' feet
16" inches	272' feet	282' feet
12 3/4" inches	282' feet	286' feet

Surface seal: Yes ☑ No ☐ Type Cement
Depth of seal 100' feet
Gravel packed: Yes ☑ No ☐
Gravel packed from 100' feet to 286' feet

Perforations:
Type perforation Screen BAR lug WIRE WRAPPED S.S.
Size perforation .045"
From 110' feet to 144' feet
From 158' feet to 210' feet
From 228' feet to 272' feet
From ..... feet to ..... feet
From ..... feet to ..... feet

9. WATER LEVEL
Static water level 10.37 Feet below land surface 8.37
Flow ..... G.P.M. 1001
Water temperature 62 ° F. Quality Chlorides - 3 ppm

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

Name Owen Hansen Jr - Layne Texas Co.
Address P.O. Box 9469 - Houston, Texas 77011
Nevada contractor's license number 5573-Class C 230
Nevada driller's license number 560
Signed Wally Clayford - Layne Representative
Date 12-20-68

USE ADDITIONAL SHEETS IF NECESSARY

5471

Material	From	To	Thickness
Fine Sand & Clay stks	211'	223'	12'
Sand, Gravel & stks Clay (Good)	223'	234'	11'
Sand, Gravel & Clay Brkn.	234'	245'	11'
Sand, Gravel & Clay stks	245'	253'	8'
Sand, Gravel & Clay Brks.	253'	275'	22'
Sand & Gravel	275'	279'	4'
Boulders & Clay	279'	282'	3'
Sand, Gravel & Clay Brkn.	282'	295'	13'
Cemented Sand & Gravel	295'	300'	5'
Blue Clay stks., Sand & Gravel	300'	312'	12'
Blue shale, stks Sandy Clay	312'	326'	14'
Blue shale, sandy clay	326'	330'	4'
Sand, Gravel (Good)	330'	337'	7'
Blue shale	337'	338'	1'
Sand, Gravel & Clay stks	338'	342'	4'
Blue shale	342'	347'	5'
Clay, Sand & Gravel	347'	350'	3'
Sand, Gravel & Clay stks.	350'	353'	3'
Sandy Clay	353'	360'	7'
Sand & Gravel	360'	365'	5'
Clay	365'	368'	3'
Sand, Gravel & Clay Brkn	368'	378'	10'
Sandy Clay	378'	387'	9'
Sand, Gravel & Clay stks.	387'	397'	10'
Clay	397'	399'	2'
Clay & Sandy Clay	399'	402'	3'
Sand, Gravel & Clay stks.	402'	407'	5'
Clay	407'	409'	2'
Sand, Gravel & Clay	409'	417'	8'
Clay & Sandy Clay	417'	421'	4'
Sand & Gravel	421'	425'	4'
Sandy Clay & Blue Shale	425'	441'	16'
Sand, Gravel & Clay	441'	444'	3'
Sandy Clay & Blue Shale	444'	472'	28'
Sand, Gravel & Clay stks.	472'	475'	3'
Hard Shale & Rock	475'	490'	15'
Bed Rock	490'	504'	14'

T.D. 504'