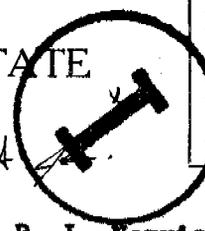


WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Basin #110 A



Log No. 1433
 Rec. 10/6 from T.S.P. 1940
 Well No. _____
 Permit No. _____
Do not fill in

Owner Southern Pacific Railroad Driller R. L. Norris

Address Schurz, Nev. Address Reno, Nev. Lic. No. _____

Location of well: SW 1/4 NW 1/4 Sec. 36, T. 13 N/S, R. 28 E, in Mineral County
 or _____

Water will be used for _____ Total depth of well 190'

Size of drilled hole _____ Weight of casing per linear foot _____

Thickness of casing _____ Temp. of water _____

Diameter and length of casing _____
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

If flowing well give flow in c.f.s. or g.p.m. and pressure _____

If nonflowing well give depth of standing water from surface _____

If flowing well describe control works _____
(Type and size of valve, etc.)

Date of commencement of well 4-12-45 Date of completion of well 4-19-45

Type of well rig _____

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, Etc.
0	5	5	Sand	
5	10	5	Gravel	
10	14	4	Fine sand	Chief aquifer (water-bearing formation)
14	20	6	Quicksand	from _____ to _____ ft.
20	27	7	Sand	Other aquifers _____
27	50	23	Light sand	_____
50	65	15	Loose sand	_____
65	70	5	Coarse sand and gravel	_____
70	80	10	Clay and sand	_____
80	105	25	Sandy clay	_____
105	106	1	Sandy and clay	_____
106	110	4	Yellow clay	_____
110	112	2	Yellow clay (sandy)	_____
112	120	8	Blue clay and sand	_____
120	124	4	Tight sand	First water at _____ feet.
124	125	1	Blue muddy clay and sand	
125	140	15	Coarse sand	Casing perforated
140	155	15	Tight coarse sand	from <u>120</u> to <u>140</u> ft.
155	161	6	Blue clay	<u>161</u> <u>170</u>
161	165	4	Loose sand muddy	Size of perforations
165	168	3	Coarse sand	_____
168	176	8	Hard sand	_____
176	190	14	Hard day and sand	_____



LOG OF FORMATIONS—Continued

From feet	To feet	Thickness	Type of material

CASING RECORD

Diam. casing	From feet	To feet	Length	Remarks—Seals, Grouting, Etc.
	0	176		12" double casing - 10 gage
	176	190		12" triple casing - 10 gage

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Chemical analysis of water (for steam-making purposes) (Grains per Gal.)			
Calcium carbonate	1.69	Alkali carbonates	2.74
Magnesium carbonate	.58	Alkali sulphates	1.46
Silica	1.75	Alkali chlorides	.76
Incrusting solids	4.02	Non-incrusting solids	4.96
		Total solids	8.98

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed.....
Well Driller

By.....

License No.....

Dated....., 19.....

(Not to be filled in by Driller)

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This log and accompanying information from
graphical log furnished by the Southern
Pacific Company
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