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Log No. 8504
Rec. May 24 1965
Well No. T.H. 17 Well #70
Permit No.
Do not fill in

# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

**PLEASE COMPLETE THIS FORM IN ITS ENTIRETY**

Owner SIERRA PACIFIC POWER COMPANY Driller C.M. BRYANT of LAYNE Texas Co.

Address MCKINLEY AVENUE, RENO, NEV. Address Po Box 9469 Houston, Tex Lic. No. 5573

Location of well: ¼ ¼ Sec. 12, T. 19 N/S, R. 19 E, in WASHOE County

or

Water will be used for City of Reno Water Supply Total depth of well 667 FT.

Size of drilled hole - 30" DIA. Weight of casing per linear foot 24" 86.45 12" 43.77 18" 70.59

Thickness of casing 24" .344 12" .330 18" .375 Temp. of water

Diameter and length of casing See Cog Schedule
(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 53.16'

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

Date of commencement of well 3-21-62 Date of completion of well 6-8-62

Type of well rig Rotary - JACKNIFE

## LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material |
|---|---|---|---|
| 0 | 38 | 38 | BOULDERS - LARGE |
| 38 | 53 | 15 | SMALL BOULDERS + YELLOW CLAY |
| 53 | 65 | 12 | BOULDERS + YELLOW CLAY |
| 65 | 73 | 8 | BOULDERS, YELLOW + BROWN CLAY |
| 73 | 85 | 12 | YELLOW + BROWN CLAY + SMALL BOULDERS |
| 85 | 100 | 15 | YELLOW CLAY + GRAVEL |
| 100 | [illegible] | [illegible] | BOULDERS |
| 106 | 129 | 23 | SAND GRAVEL + BROWN CLAY STREAKS |
| 129 | [illegible] | 22 | BROWN CLAY WITH SAND + GRAVEL |
| 151 | [illegible] | [illegible] | SAND, GRAVEL + CLAY [illegible] |
| 162 | [illegible] | [illegible] | SAND, GRAVEL + CLAY STREAKS |
| 173 | 183 | 10 | BOULDERS + BROWN CLAY STREAKS |
| 183 | 190 | 7 | BOULDERS + A FEW CLAY STREAKS |
| 190 | 195 | 5 | RED CLAY |
| 195 | 197 | 2 | BOULDERS |
| 197 | 201 | 4 | GRAVEL |
| 201 | 227 | 26 | RED CLAY, SAND CLAY + LITTLE STREAKS OF GRAVEL |
| 227 | 230 | 3 | SAND + GRAVEL |
| 230 | 232 | 2 | RED CLAY |
| 232 | 239 | 7 | SAND + GRAVEL |
| 239 | 244 | 5 | BOULDERS + GRAVEL |
| 244 | 256 | 12 | SANDY CLAY + STRKS. OF GRAVEL |
| 256 | 258 | 2 | BOULDERS |
| 258 | 264 | 6 | CLAY + GRAVEL |
| 264 | 273 | 9 | BOULDERS + GRAVEL |
| 273 | 297 | 24 | BLUE CLAY + SANDY CLAY |

(OVER)

**Water-bearing Formation, Casing Perforations, Etc.**

Chief aquifer (water-bearing formation) See General Information from ..... to ..... ft.

Other aquifers

First water at 178 feet.

Casing perforated See General Information from ..... to ..... ft.

Size of perforations SSWW. SCreen .045

919

## LOG OF FORMATIONS—*Continued*

| From feet | To feet | Thickness | Type of material |
|---|---|---|---|
| 297 | 320 | 23 | GRAVEL + STRKS. of CLAY |
| 320 | 323 | 3 | BOULDERS + GRAVEL |
| 323 | 326 | 3 | BOULDERS + GRAVEL |
| 326 | 328 | 2 | BOULDERS + CLAY |
| 328 | 349 | 4 | BOULDERS, GRAVEL, SAND + CLAY STRKS. |
| 349 | 354 | 5 | CLAY + BOULDERS |
| 354 | 368 | 14 | SAND, GRAVEL, FEW CLAY STRKS. (CUT GOOD) |
| 368 | 381 | 13 | BOULDERS, CLAY + SAND |
| 381 | 399 | 18 | SAND + GRAVEL, CUT GOOD |
| 399 | 405 | 6 | BOULDERS + CLAY |
| 405 | 416 | 11 | SAND, GRAVEL + CLAY BREAKS |
| 416 | 434 | 18 | SAND + GRAVEL + FEW CLAY STRKS. |
| 434 | 436 | 2 | CLAY |
| 436 | 449 | 13 | SAND, GRAVEL + CLAY BREAKS |
| 449 | 458 | 9 | SANDY CLAY |

## CASING RECORD

| Diam. casing | From feet | To feet | Length | "Remarks"—Seals, Grouting, Etc. |
|---|---|---|---|---|
| 24" | +2' | [illegible] | 72' | [illegible] |
| 18" | +2' | [illegible] | [illegible] | |
| [illegible] | 311 | [illegible] | 2' | [illegible] |
| 12 3/4 | 311 | 588 | | |

470-485, 494-499, 532-540, 558-566, 572-578

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

SCREEN SECTION - 178-198, 211-273, 283-311, 313-375, 382-422, 434-446, 458-468, 5-5-62
PROD. 33[illegible] GPM WITH 130.31 [illegible] LEVEL AT END of 24 HR.
STATIC LEVEL 92.82 30 MIN [illegible] CALCIUM [illegible]
MAGNESIUM [illegible], [illegible] 33.3, IRON (FE) 0.05,
BICARBONATE [illegible], CARBONATE [illegible], SULFATE [illegible], CHLORIDE 10.0

## WELL DRILLER'S STATEMENT

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

Signed Layne Texas Company
Well Driller

By Wally Clayford [illegible]

License No. 5573

Dated 5-[illegible], 196[illegible]

(Not to be filled in by Driller)

| FROM FEET | TO FEET | [illegible] | TYPE OF MATERIAL |
|---|---|---|---|
| 459 | [illegible] | [illegible] | SAND, GRAVEL + CLAY BREAKS |
| 472 | [illegible] | 3 | [illegible] |
| 475 | [illegible] | [illegible] | SAND GRAVEL + BROWN CLAY |
| 486 | 522 | 36 | SAND GRAVEL + CLAY BREAKS |
| 522 | [illegible] | 22 | SAND, GRAVEL + STRIPS OF CLAY |
| 544 | [illegible] | 4 | FINE SAND + SANDY CLAY |
| 558 | [illegible] | 21 | SAND [illegible] + STRIPS OF ROCK |
| [illegible] | [illegible] | 37 | SANDY CLAY + STRIPS OF GRAVEL |
| 605 | [illegible] | [illegible] | CLAY |
| [illegible] | 634 | [illegible] | SANDY CLAY |
| 634 | 640 | [illegible] | SAND GRAVEL + STRIPS OF CLAY |
| 640 | [illegible] | [illegible] | FINE CLAY |
| [illegible] | 660 | 13 | [illegible] + SANDY CLAY |
| 660 | 662 | 2 | [illegible] |
| 662 | [illegible] | [illegible] | SANDY CLAY |

TOTAL [illegible] FEET