

# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Well 1

Log No. 79234  
 Rec. 5/31 1955  
 Well No. \_\_\_\_\_  
 Permit No. 6381  
 Do not fill in

Owner..... Southern Nevada Power Company..... Driller..... Wm. Mason.....

Address..... 21 California St., Las Vegas, Nev. Address..... 1727 Santa Paula St. Lic. No. 195.....

Location of well: SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 34., T20 N/S, R. 61 E, in..... Clark..... County

or..... at a point from which the North  $\frac{1}{4}$  corner of said Sec. 34 bears North  $44^{\circ}06'31''$  West a distance of 858.6 feet. (Well to be in SW corner of Lot 29, Blk. 32, Clark's Las Vegas Water will be used for Air Conditioning (Heating & Cooling) Total depth of well..... 422 ft. Townsite.)

Size of drilled hole..... 50' 20" - 372' 16"..... Weight of casing per linear foot..... 10" - 43#

Thickness of casing.....  $\frac{1}{4}$ " Walls..... Temp. of water..... 72 $^{\circ}$

Diameter and length of casing..... 422' - 10" x  $\frac{1}{4}$  Wall 50 ft of 18" x  $\frac{1}{4}$  Wall  
 (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..... No

If nonflowing well give depth of standing water from surface..... 17 ft.

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

Date of commencement of well..... May 2, 1955..... Date of completion of well..... May 22, 1955

Type of well rig..... Rotary.....

### LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material                   | Water-bearing Formation, Casing Perforations, Etc.  |
|-----------|---------|----------------|------------------------------------|---|
| 0         | 3       |                | Sandy Clay (No surface water)      | Chief aquifer (water-bearing formation)<br>from 315 to 422 ft.<br>Other aquifers 240' - 5'<br>270' - 5'<br><br>First water at 240' feet.<br><br>Casing perforated<br>from 260' to 420 ft.<br><br>Size of perforations<br>1/16" x 2 1/2" |
| 3         | 55      |                | White Caleche - hard               |   |
| 55        | 76      |                | Soft White Caleche                 |   |
| 76        | 185     |                | Red Clay & Gravel & Sand           |   |
| 185       | 195     |                | Gravel & Sand, some water          |   |
| 195       | 240     |                | Red Clay, Sand & Gravel            |   |
| 240       | 255     |                | Water, Gravel & Sand               |   |
| 255       | 275     |                | Cemented Gravel, Some Water        |   |
| 275       | 315     |                | Red Clay & Gravel                  |   |
| 315       | 412     |                | Sandstone, Gravel & Clay Stringers |   |
| 412       | 422     |                | Red Clay & Gravel                  |   |

