Log No. 2480
Rec. 19
Well No.
Permit No. 15148
*Do not fill in*

# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Copy to cc

Owner George Berkson  Driller LLEN WATER WELL SERVICE CO.

Address 411 Kelton Ave. L.A. 24, Calif.  Address 231 Maryland Pkwy.  Lic. No. 40

Location of well: NW ¼ SW¼ Sec. 21, T. 21N/S, R. 61E, in Clark County

or

Water will be used for Quasi-municipal  Total depth of well 420 feet.

Size of drilled hole 10 inch  Weight of casing per linear foot 24.4

Thickness of casing 8 gauge  Temp. of water

Diameter and length of casing 12" [illegible]
(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 14 feet

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

Date of commencement of well Nov. 19, 1953  Date of completion of well Dec. 10, 1953

Type of well rig Cable tools Keystone 50A

## LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material |
|---|---|---|---|
| 0 | 4 | 4 | Sand-gravel- caliche |
| 4 | 11 | 7 | caliche |
| 11 | 14 | 3 | hard rock |
| 14 | 17 | 3 | Clay |
| 17 | 21 | 4 | Gravel |
| 21 | 35 | 18 | Brown Sand |
| 33 | 37 | 4 | caliche |
| 37 | 44 | 7 | sandy clay |
| 44 | 47 | 3 | sand |
| 47 | 50 | 3 | Gravel (water) |
| 50 | 53 | 3 | sand |
| 53 | 58 | 5 | caliche |
| 58 | 62 | 4 | gravel (water) |
| 62 | 78 | 16 | sand |
| 78 | 86 | 8 | cemented gravel |
| 86 | 91 | 5 | sandy clay |
| 91 | 97 | 6 | brown sand |
| 97 | 100 | 10 | gravel (water) |
| 100 | 119 | 12 | sand |
| 119 | 124 | 5 | clay |
| 124 | 129 | 5 | caliche |
| 129 | 132 | 3 | sand |
| 132 | 139 | 7 | cemented gravel |
| 139 | 143 | 4 | gravel |
| 143 | 151 | 8 | sand and clay |
| 151 | 153 | 2 | clay |
| 153 | 157 | 4 | caliche |
| 157 | 163 | 6 | sandy clay |

(OVER)

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

**Chief aquifer (water-bearing formation)**

from 100 to 119 ft.

Other aquifers 129-132
139-143 183-185
185-201 238-243
344-350 369-373
378-382 414-146 416-419

First water at 47-50 feet.

**Casing perforated**

from 100 to 120 ft.
130-145 180-205
235-245 340-350 365-375
378-385 414-420

Size of perforations
¼" x 4" 4 around
on 12" centers.

## LOG OF FORMATIONS—*Continued*

| From feet | To feet | Thickness | Type of material |
|---|---|---|---|
| 163 | 167 | 4 | caliche |
| 167 | 173 | 6 | sandy clay |
| 173 | 177 | 4 | caliche |
| 177 | 183 | 6 | sandy clay |
| 183 | 185 | 2 | gravel |
| 185 | 201 | 16 | sand and gravel |
| 201 | 234 | 33 | layers of sand & clay |
| 234-238 | 238 | 4 | caliche |
| 238 | 243 | 5 | brown sand |
| 243 | 262 | 19 | red clay |
| 262 | 275 | 13 | sandy clay |
| 275 | 291 | 16 | red clay |
| 291 | 305 | 14 | blow sand |
| 315 | 325 | 10 | blue clay |
| 325 | 335 | 10 | brown clay |
| 335 | 344 | 9 | sandy clay |
| 344-350 | 6 | | gravel |
| 350-353 | 3 | | caliche |
| 353-369 | 16 | | sandy clay |
| 369-373 | 4 | | gravel |
| 373-378 | 5 | | brown clay |
| 378-382 | 4 | | gravel |
| 382-387 | 5 | | blue clay |
| 387-393 | 6 | | sand& gravel |
| 393-396 | 3 | | brown clay |
| 396-414 | 18 | | brown clay |
| 414-416 | 2 | | sand |
| 416-419 | 3 | | gravel |
| 419-420 | 1 | | caliche. |

## CASING RECORD

| Diam. casing | From feet | To feet | Length | "Remarks"—Seals, Grouting, Etc. |
|---|---|---|---|---|
| 10" | 0 | 100 | 100 | 103/4 8 gauge conductor pipe cemented in place |
| 8" | 90 | 420 | 310 | 8 5/8 7 gauge liner. |

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

### WELL DRILLERS STATEMENT

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

Signed Fred Allen
Well Driller

By

License No. 40

Dated 2/22, 1954

(Not to be filled in by Driller)