

Water Analysis. in file 1944.

# WELL LOG AND REPORT TO THE STATE

## ENGINEER OF NEVADA

Log No. 2025  
 Rec. Sept 8 1952  
 Well No. \_\_\_\_\_  
 Permit No. 14614  
*Do not fill in*

Basin #124

Owner Kaiser Aluminum and Chemical Corp Driller J. B. Reynolds

Address Fallon, Nev. Address Fallon, Nev. Lic. No. 28

Location of well:  $\frac{1}{4}$  Sec. 8, T. 14 N, R. 34 E, in Mineral County  
 or 5800' SE of Kaiser Mine No. 2 Shaft

Water will be used for Domestic and Mining Total depth of well 792 feet

Size of drilled hole 6" Weight of casing per linear foot Standard 6"

Thickness of casing 5/16" Temp. of water Cold

Diameter and length of casing 6" ID x 759' - 6"  
(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 460'

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

Date of commencement of well 5/12/52 Date of completion of well 6/25/52

Type of well rig Cable Tools

### LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material                               | Water-bearing Formation, Casing Perforations, Etc.       |
|-----------|---------|----------------|--|--|
| 0         | 335     | 335            | <del>Gray shale</del> Surface wash             |  |
| 335       | 355     | 20             | Gray shale                                     | Chief aquifer (water-bearing formation)                  |
| 355       | 375     | 20             | Brown shale                                    | from <u>485'</u> to <u>505'</u> ft.                      |
| 375       | 390     | 15             | Gray shale                                     | Other aquifers <u>None</u>                               |
| 390       | 410     | 20             | Pyrite or marcasite                            |  |
| 410       | 415     | 5              | Gray shale                                     |  |
| 415       | 425     | 10             | Soft gray shale                                |  |
| 425       | 450     | 25             | Gray shale                                     |  |
| 450       | 485     | 35             | Hard gray shale                                |  |
| 485       | 505     | 20             | Lava flow. Small amount water                  |  |
| 505       | 547     | 42             | Chocolate brown shale                          |  |
| 547       | 642     | 95             | Notably abundant pyrite in coarse pinnings     |  |
| 642       | 760     | 118            | Black shale                                    | First water at <u>485'</u> feet.                         |
| 760       | 792     | 32             | Weathered andesite<br>Bed rock<br>Hole stopped | Casing perforated<br>from <u>475'</u> to <u>759'</u> ft. |
|           |         |                |  | Size of perforations<br><u>5/16 x 2"</u>                 |

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. |
|--------------|-----------|---------|--------|-------------------------------|
|              |           |         |        |                               |

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

We ran a 36 hour test and pumped 7 GPMs

Water Analysis. filed in Application file 14614

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 *J. B. Pappas*

License No. *28*

Dated *Sept 6*, 19*52*

(Not to be filled in by Driller)

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OFFICE  
STATE ENGINEER  
SEP - 8 1952  
RECEIVED