

20 511-2
1700 511
20308

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 6684
 Rec. Aug 16 1962
 Well No. _____
 Permit No. 20308
Do not fill in

Owner North American Aviation Inc. Driller Hatch Drilling Co.
Rocketdyne Division- 6655 Canoga Ave.
 Address Canoga Park, Calif. Address 1700 Holcomb Lane, Reno Lic. No. _____

Location of well: NE 1/4 SW 1/4 Sec. 7, T.22 N/S, R. 22 E, in Washoe County
 or at a point from which the S.W. corner of said Section 7 bears S. 50° 18' 41" W.,
 a distance of 2,382.69 feet.

Water will be used for Industrial Total depth of well 500'
31' @ 24" 469' @ 12"
 Size of drilled hole _____ Weight of casing per linear foot 10 Guage KAI-WELL

Thickness of casing 10 guage Temp. of water 68° F.

Diameter and length of casing 12" for 140', 10" for 368'
 (Casing 12" in diameter and under give inside diameter; casing 10" 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 20' 4"

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

Date of commencement of well 3/13/62 Date of completion of well 6/11/62

Type of well rig Cable - tool

LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material | Water-bearing Formation, Casing Perforations, Etc. |
|-----------|---------|----------------|---|--|
| 0 | 6 | 6 | Consolidated alluvium | Mills Knife <u>1 1/2" x 3/8"</u> |
| 6 | 7 | 1 | Two large rocks | |
| 7 | 26 1/2 | 19 1/2 | Consolidated alluvium, broken assorted rock, clay & sands | Chief aquifer (water-bearing formation) from <u>143</u> to <u>186</u> ft. |
| 26 1/2 | 30 | 3 1/2 | Sandy firm clay (brown) | Other aquifers <u>206-233</u> |
| 30 | 61 | 31 | Sandy clay with rock | <u>252-255, 260-264</u> |
| 61 | 64 | 3 | Fairly clean rock & sand | <u>425-492</u> |
| 64 | 103 | 39 | Sandy clay with rock | |
| 103 | 103 | | Hard Boulder | |
| 103 | 104 | 1 | Broken rock | |
| 104 | 113 | 9 | Solid Rock dark to light green | |
| 113 | 119 | 6 | Very hard green rock | |
| 119 | 121 | 2 | Decomposed rock (softer) | |
| 121 | 137 | 16 | Blue Sandy clay | First water at <u>137</u> feet. |
| 137 | 189 | 52 | Red lava rock (hard) | |
| 189 | 253 | 64 | Red lava rock (harder) | |
| 253 | 255 | 2 | Series of crevices | Casing perforated |
| 255 | 260 | 5 | Red lava (hard) | from _____ to _____ ft. |
| 260 | 263 | 3 | Red lava (softer) | <u>as shown above</u> |
| 263 | 277 | 14 | Welded tuft gray | |
| 277 | 279 | 12 | Green decomposed rock w/clay | Size of perforations |
| 279 | 304 | 25 | Red decomposed rock w/clay | <u>1 1/2 x 3/8</u> |
| 304 | 315 | 11 | Green clay & decomposed rock | |
| 315 | 321 | 6 | Hard gray & green rock | |
| 321 | 385 | 64 | Hard green rock | |
| 385 | 394 | 9 | Hard green rock w/some softer green clays | |
| 394 | 400 | 6 | hard green rock | |

(OVER)



LOG OF FORMATIONS—Continued

| From feet | To feet | Thickness | Type of material |
|-----------|---------|-----------|---|
| 400 | 405 | 5 | Soft streaks, broken rock of various colors |
| 405 | 484 | 79 | Red lava rock Hard |
| 484 | 488 | 4 | hard sticky green clay |
| 488 | 500 | 12 | Red lava |

CASING RECORD

| Diam. casing | From feet | To feet | Length | Remarks—Seals, Grouting, Etc. |
|--------------|-----------|---------|--------|-------------------------------|
| 24" | 0 | 31 | 31 | Sanitary seal Grout 6" x 31' |
| 12" | 0 | 140 | 140 | |
| 10" | 132 | 500 | 368 | |

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

The well was test pumped on July 20. The pump was setting at 350 feet and the well was pumped at rates varying from 55 gpm to 200 gpm. Due to the limited pumping time the results were inconclusive; however, additional measurements will be taken as the well is placed into production.

WELL DRILLER'S STATEMENT

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

Signed Harch Drilling Co.
Well Driller

By [Signature]
Partner
License No. 352

Dated June 18, 19 62

(Not to be filled in by Driller)

Per log # 78982

Vertical stamp: REC'D JUL 15 AM 10 58

Horizontal lines for additional notes.