WASC 3256

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WASC 003256

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# WATER WELL REPORT OBSERVATION WELL

STATE OF OREGON G-471

State Well No. 2N/13-28M(1)

State Permit No. G-338

## (1) OWNER:

Name HARVEY MACHINE CO., INC.

Address Torrance, California

## (2) LOCATION OF WELL:

County Wasco Owner's number, if any— 1

NW ¼ SW ¼ Section 28 T. 2N R. 13 E W.M.

Bearing and distance from section or subdivision corner

1358.49 ft. S 15° 53' 50" E from the quarter corner of Secs. 28 & 29 T2N R 13 E W M

## TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

## (4) PROPOSED USE (check):

Domestic ☐ Industrial ☒ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

## (5) TYPE OF WELL:

Rotary ☐ Driven ☐

Cable ☐ Jetted ☐

Dug ☐ Bored ☐

## (6) CASING INSTALLED:

Threaded ☐ Welded ☒

20" O.D. Diam. from Surface ft. to 220 ft. Gage 3/8"

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

## (7) PERFORATIONS:

Perforated? ☐ Yes ☒ No

Type of perforator used

SIZE of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

## SCREENS:

Well screen installed ☐ Yes ☐ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

## CONSTRUCTION:

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

Was a surface seal provided? ☒ Yes ☐ No To what depth? 220 ft.

Material used in seal— Cement Grout

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

## (10) WATER LEVELS:

Static level 86 ft. below land surface Date 7-31-57

Artesian pressure lbs. per square inch Date

Log Accepted by: Harvey Aluminum Co.

[Signed] R. Hamill (Owner) Date July, 1957

## (11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Geologist

| | | | | | |
|---|---|---|---|---|---|
| Yield: | 2145 | gal./min. with | 4.3 | ft. drawdown after | 5 hrs. |
| " | 2160 | " | 4.4 | " | 8 " |
| " | 1260 | " | 1.7 | " | 10 " |

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

## (12) WELL LOG:

Diameter of well 20 inches.

Depth drilled 314 ft. Depth of completed well 314 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

| MATERIAL | FROM | TO |
|---|---|---|
| See attached well Log | | |

Work started Nov 1956. Completed July 1957

## (13) PUMP:

Manufacturer's Name Not Purchased

Type: H.P.

**Well Driller's Statement:**

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME R. J. Strasser Drilling Company
(Person, firm, or corporation) (Type or print)

Address 8110 S. E. Sunset Lane, Portland 6, Ore

Driller's well number 1

[Signed] R. J. Strasser Petree
(Well Driller)

License No. 10 Date August 13, 1957

(USE ADDITIONAL SHEETS IF NECESSARY)

January 8, 1958

GEOLOGIC LOG OF #1 WELL

HARVEY ALUMINUM * THE DALLES, OREGON

| | |
|---|---|
| 0' to 4' | Surface |
| 4' to 11' | Hard sloping rock ledge |
| 11' to 19' | Hard gray rock |
| 19' to 21' | Broken formation |
| 21' to 27' | Hard gray rock |
| 27' to 36' | Mixture of colors<br>Hard gray-black and white rock |
| 36' to 39' | Layer of decomposed formation (similar to coal) |
| 43' to 89' | Very hard gray rock ~~(similar to coal)~~ |

O. J. Norris

R. J. Strasser Drilling Co.

January 18, 1957



GEOLOGIC LOG OF #1 WELL

HARVEY ALUMINUM - THE DALLES, OREGON

REPORT NO. 2

| | |
|---|---|
| 89' to 95' | Very hard gray rock |
| 95' to 104' | Hard gray rock, but coarse in texture Drilled faster |
| 104' to 108' | Very hard gray rock - very fine cuttings |
| 108' to 129' | Hard gray rock. Same formation as the 104' to 108' strata |
| 129' to 132' | Very hard gray rock |

Samples up to date.

O. J. Norris

R. J. Strasser Drilling Co.

REPORT NO. 3 -- GEOLOGICAL LOG



WELL NO. 1

HARVEY ALUMINUM

THE DALLES, ORREGON

(Continuing Log)

January 25, 1957

| | | |
|---|---|---|
| 132' | to 146' | Very hard gray rock |
| 146' | to 152' | Medium hard rough black rock |
| 152' | to 155' | Hard gray rock |
| 155' | to 166' | Medium hard rough black rock |

R. J. Strasser Drilling Co.

February 1, 1957

GEOLOGIC LOG OF # 1 WELL

HARVEY ALUMINUM - THE DALLES, OREGON

REPORT NO. 4

| | |
|---|---|
| 166 ft. to 181 ft. | Medium hard rough black rock |
| 181 ft. to 189 ft. | Hard gray rock |
| 189 ft. to 205 ft. | Blue shale |
| 205 ft. to 212 ft. | Conglomerate |
| 212 ft. to 229 ft. | Medium hard brown rock |
| 229 ft. to 242 ft. | Hard gray rock |

O. J. Norris

R. J. STRASSER DRILLING CO.

March 15, 1957

GEOLOGIC LOG OF #1 WELL

HARVEY ALUMINUM - THE DALLES, OREGON

REPORT NO. 4

| | |
|---|---|
| 242 ft. to 250 ft. | Hard gray rock |
| 250 ft. to 255 ft. | Hard gray rock |
| 255 ft. to 260 ft. | Hard gray rock |
| 260 ft. to 262 ft. | Hard gray rock |
| 262 ft. to 265 ft. | Hard gray rock |
| 265 ft. to 268 ft. | Hard gray rock |
| 268 ft. to 271 ft. | Hard gray rock |
| 271 ft. to 274 ft. | Hard gray rock |
| 274 ft. to 277 ft. | Hard gray rock |
| 277 ft. to 279 ft. | Hard gray rock |
| 279 ft. to 281 ft. | Hard gray rock |
| 281 ft. to 284 ft. | Hard gray rock |
| 284 ft. to 286 ft. | Hard gray rock |
| 286 ft. to 288 ft. | Porous Blackrock (water bearing) |
| 288 ft. to 294 ft. | Porous Blackrock (water bearing) |
| 294 ft. to 296 ft. | Harder, but still water - brown color |
| 296 ft. to 306 ft. | Porous Blackrock (water bearing very good) |
| 306 ft. to 310 ft. | Rough black rock |

O. J. Norris

R. J. TRASHER DRILLING CO.

WASC 3256



# GEOLOGIC LOG OF #1 WELL

## HARVEY ALUMINUM - THE DALLES, OREGON

| | |
|---|---|
| 0' to 4' | Surface |
| 4' to 11' | Hard sloping rock ledge |
| 11' to 19' | Hard gray rock |
| 19' to 21' | Broken formation |
| 21' to 27' | Hard gray rock |
| 27' to 36' | Mixture of colors<br>Hard gray-black and white rock |
| 36' to 39' | Layer of decomposed formation<br>(similar to coal) |
| 43' to 89' | Very hard gray rock |
| 89' to 95' | Very hard gray rock |
| 95' to 104' | Hard gray rock, but coarse in texture<br>Drilled faster |
| 104' to 108' | Very hard gray rock - very fine cuttings |
| 108' to 129' | Hard gray rock. Same formation as the<br>104' to 108' strata |
| 129' to 132' | Very hard gray rock |
| 132' to 146' | Very hard gray rock |
| 146' to 152' | Medium hard rough black rock |
| 152' to 155' | Hard gray rock |
| 155' to 166' | Medium hard rough black rock |
| 166' to 181' | Medium hard rough black rock |
| 181' to 189' | Hard gray rock |
| 189' to 205' | Blue shale |

| | |
|---|---|
| 205' to 212' | Conglomerate |
| 212' to 229' | Medium hard brown rock |
| 229' to 242' | Hard gray rock |
| 242' to 250' | Hard gray rock |
| 250' to 255' | Hard gray rock |
| 255' to 260' | Hard gray rock |
| 260' to 262' | Hard gray rock |
| 262' to 265' | Hard gray rock |
| 265' to 268' | Hard gray rock |
| 268' to 271' | Hard gray rock |
| 271' to 264' | Hard gray rock |
| 274' to 277' | Hard gray rock |
| 277' to 279' | Hard gray rock |
| 279' to 281' | Hard gray rock |
| 281' to 284' | Hard gray rock |
| 284' to 286' | Hard gray rock |
| 286' to 288' | Porous Blackrock (water bearing) |
| 288' to 294' | Porous Blackrock (water bearing) |
| 294' to 296' | Harder, but still water-brown color |
| 296' to 306' | Porous Blackrock (water bearing very good) |
| 306' to 310' | Rough black rock |