

010200

(1) OWNER:

Name Aloha-Huber Water District
Address 17880 S. W. Blanton
Aloha, Oregon

(2) LOCATION OF WELL:

County Washington Owner's number, if any No. 1
NE 1/4 SE 1/4 Section 24 T. 1 S R. 2 W W.M.
Bearing and distance from section or subdivision corner
1520 ft. N 0°34'E; 990.3 Ft. N 89°41'W
from SE corner of Sec. 24, T1S, R2W

(3) TYPE OF WORK (check):

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
16" Diam. from 0 ft. to 250' 7" ft. Gage 3/8 wall
" 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.

(8) SCREENS:

Well screen installed Yes No
Manufacturer's Name _____ Model No. _____
Diam. Slot size Set from " ft. to " ft.
Diam. Slot size Set from " ft. to " ft.

(9) CONSTRUCTION:

Well gravel packed? Yes No Size of gravel: _____
Gravel placed from " ft. to " ft. Casing _____
Was a surface seal provided? Yes No To what depth? 250' 7" ft.
Material used in seal—200 sks 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 138' ft. below land surface Date 7-18-58
Artesian pressure lbs. per square inch Date _____

Log Accepted by: _____

[Signed] _____ Date _____, 19____
(Owner)

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Driller
Yield: 470 gal./min. with 162 ft. drawdown after 24 hrs.
" " " "
" " " "
" " " "
Bailer test gal./min. with " ft. drawdown after " hrs.
Artesian flow g.p.m. Date _____
Temperature of water 55° Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well 15 1/4" to 685' 10" on to 720' inches.
Depth drilled 720 ft. Depth of completed well 720 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
brown & yellow clay	0	15
red clay	15	45
green clay rock	45	55
black rock	55	85
decomposed rock	85	88
hard red rock	88	94
soft red rock	94	98
black rock	98	176
brown rock	176	178
hard grey basalt	178	210
black rock	210	240
grey rock	240	270
red & brown rock - water bearing	270	293
black rock	293	300
broken black rock - water bearing	300	312
hard grey basalt	312	358
black rock	358	378
brown rock - water bearing	378	404
hard grey rock	404	422
hard black rock	422	475
soft black rock - water bearing	475	481
hard black rock	481	499
soft black rock	499	504
hard black rock	504	528

=Continued on page two

Work started 19 _____ Completed 19 _____

(13) PUMP:

Manufacturer's Name _____
Type: _____

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AUG 21 1958

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 _____ (Person, firm, or corporation) (Type or print)

Address _____

Driller's well number _____

[Signed] _____ (Well Driller)

License No. _____ Date _____, 19____



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301
(503) 986-0900
www.wrd.state.or.us

Application for
Well ID Number
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JUL 16 2009

WATER RESOURCES DEPT
SALEM, OREGON

Do not complete if the well already has a Well I.D Number.

I. OWNER INFORMATION

Current Owner Name (please print): Tualatin Valley Water District; Attn: Joel A. Cary
Mailing Address: 1850 SW 170th Avenue
City: Beaverton State: OR Zip: 97006
Mailing Address (to send Well I.D.): Same as above
City: State: Zip:

II. WELL INFORMATION (Do not complete this section if the well report is attached.)

Township: (North/South) Range: (East/West) Section:
Tax Lot: County: 1/4 1/4
Street Address of Well: City:
Owner at time the well was constructed, (if known):
If the property had a different street address in the past:

III. GENERAL WELL INFORMATION (Do not complete this section if the well report is attached)

Use of Well (domestic, irrigation, commercial, industrial, monitoring):
Date Well Constructed: Total Well Depth: Casing Diameter:
Other Information:

SUBMITTED BY (please print): Joel A. Cary
PHONE: D; 503.848.3019 FAX: 503.356.3119

Send application to Oregon Water Resources Department; 725 Summer St NE, Suite A; Salem, Oregon 97301-1266; fax (503) 986-0902. Applications are processed and Well I.D. Numbers are mailed every Wednesday.

For Official Use Only by the Oregon Water Resources Department:
Received Date: Well Log Number: WASH 10200 Well Identification #: 100485



231 FINANCE BUILDING
170 12TH STREET, S. E.

STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
SALEM

Permit No. G-588
REFER TO
FILE NO. G-637

LEWIS A. STANLEY
State Engineer

August 8, 1958

MEMORANDUM ON THE ALOHA-HUBER WELL

*This report describes
the drilling and testing
of 1S/2W-24J(3),
WASH 10200, Aloha-
Huber Water District
Well # 1. KCW*

The Aloha-Huber Water District, upon receipt of our Permit No. G-588 commenced construction of their production well in the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 24, T 1 S, R 2 W, Washington County Oregon. Instead of drilling a new well, they decided to ream their existing test well to a larger diameter.

↳ WASH 10201

At a depth of 250 feet, a string of 16-inch well casing was set to 250 feet and grouted in place. Reaming of the 6-inch test well was then continued to a depth of 416 feet.

At this depth, a test pump was installed and the well was tested for capacity. This test, which was made on the 14th and 15th of April, 1958, showed the well had a capacity of less than 150 gallons per minute with a pumping lift of about 350 feet. This was considerably less than half the capacity that was obtained from the original 6-inch test well. Water level measurements at the Erickson Well (1/lw-19N 1), located approximately 1400 feet Southeast from the Aloha-Huber well showed no draw-down that could be attributed to the testing of the Aloha-Huber Well. It was concluded that the productive aquifer that was developed in the 6-inch test well was not near the bottom of the well as previously believed, but much higher in the well. It was also concluded that this productive zone had been cased or grouted off in the production well. *WASH 8920*

Because of the small yield of the well, the Aloha-Huber Water District decided to deepen the well in hope of encountering more productive water bearing zones. Drilling was continued to a depth of 720 feet. The well drillers log has not yet been filed, however, it was reported that the well penetrated through the Columbia River basalt formation at about 710 feet and was drilled about 10 feet into the underlying shale formation. The static level was not noticeably changed during the deepening and stands about 140 feet below land surface.

The well was developed by use of two 500 lb. charges of dry ice. Dry ice charges the water with CO₂ gas so rapidly that gas and water erupt from the well. Such eruptions produce very high entrance velocities and tends to remove the drill cuttings from the water bearing formation.

The well was equipped with a test pump and was tested for capacity on July 14th and 15th, 1958. This test, which began at 8:15 A. M. on July 14, was started at a pumping rate of approximately 100 gallons per minute. The pumping rate was gradually increased during the test until a final pumping rate of 470 gallons per minute was attained. The pumping level at this rate was approximately 300 feet. Pumping was stopped at 3:40 P.M. on July 15, 1958. This test indicates that the Aloha-Huber well

WASH 10200

Page 2

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August 8, 1958

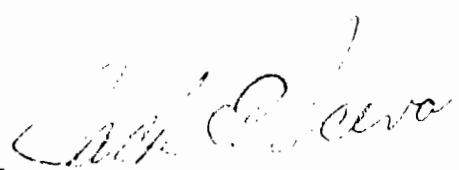
has a specific capacity of about 3 gallons per minute per foot of drawdown, and should be capable of producing 500 gallons per minute with a pumping level about 310 feet below land surface.

An automatic water stage recorder has been maintained on the Erickson Well (1/1W-19N 1) since April 2, 1958. The water level in this well dropped approximately 1.7 feet during the month of July. This is not considered an unusual amount of lowering for a period of little or no recharge. The effect of pumping the Aloha-Huber Well on the level in this well is not readily discernible (Fig. 1). If there is an effect in this well, it is almost completely masked by the barometric effects and the natural lowering of the water level. The Aloha-Huber well has not been pumped except during the two-day test period during the month of July.

The Aloha-Huber Water District is now equipping their well with a 50 HP Turbine pump. The well installation will also include an airline for measuring water levels and a meter to record the amount of water being pumped. The District's plans for the near future call for pumping this well directly into their distribution system. As they anticipate that a high pumping rate would cause some excessive water pressures to develop within their distribution system, the well will probably be pumped at a reduced rate until adequate storage facilities can be constructed at the well site.

Our plans call for the continued operation of the water level recorder in the Erickson Well, and periodic measurements of water level in the A. J. Gaunt Well. The Gaunt well is located approximately $\frac{1}{2}$ mile West-Southwest from the Aloha-Huber Well. Only pumping the Aloha-Huber well and measurements of water levels in surrounding wells can give the long term effect of the Aloha-Huber well on the ground water regimen of the area.

By


Jack E. Sceva
(Geologist