File Original and Duplicate with the Page One WASH 1	LL REPORT WASH State Well No. 2200 State Permit No. G-		J/3)
STATE OF STA	010200 State Permit No. G-	588	
(1) OWNER:	(11) WELL TESTS: Drawdown is amount to lowered below static let	zater level i	is
Name Aloha-Huber Water District	Was a pump test made? 🐴 Yes 🔲 No If yes, by whom		
Address 17880 S. W. Blanton	Yield: 470 gal./min. with 162 ft. drawdow.		hrs.
Aloha, Oregon	" "		,,
	11 11 11		**
(2) LOCATION OF WELL: County Washington Owner's number if any No. 1	Bailer test gal./min. with ft. drawdown	ı after	hrs.
County - Child business, 22 any	Artesian flow g.p.m. Date		
	Temperature of water 55° Was a chemical analysis ma	de? 🗶 Yes	i □ No
Bearing and distance from section or subdivision corner 1520 ft. N 0°34 E; 990.3 Ft. N 89°41 V	1 157" to 005'	10tt on	to 7201
from SE corner of Sec. 24, Tis, R2W	(12) WELL LOG: Diameter of well		inches.
TIOM DE COIMET OF Dec. CT, IID, IAM	Depth drilled 720 ft. Depth of completed w		<u>ft.</u>
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of t	l and struct he material	ture, and I in each
	stratum penetrated, with at least one entry for each cl	nange of fo	rmation.
	MATERIAL	FROM	TO
(3) TYPE OF WORK (check):	brown & yellow clay	0	15
well ∰ Deepening ☐ Reconditioning ☐ Abandon ☐	red clay	15	45_
If abandonment, describe material and procedure in Item 11.	green kilk rock	45	55
(A) PROPOSED TISE (I I.). (5) MADE OF WELL.	black rock	55	85
(4) PROPOSED USE (check): (5) TYPE OF WELL:	decomposed rock	85	88
Domestic ☐ Industrial ☐ Municipal 🛣 Rotary ☐ Driven ☐ Cable 🛱 Jetted ☐	hard red rock	88	94
gation Test Well Other Dug Bored	soft red rock	94	98_
(a) CACTACO TAICHATTED.	black rock	98_	<u> 176</u>
(6) CASING INSTALLED: Threaded Welded Welded	brown rock	176	<u> 178</u>
•	hard grey basalt	178	210
" Diam. from ft. to ft. Gage	black rock	210	240
"Diam. from ft. to ft. Gage	grey rock	5/10	270_
(7) PERFORATIONS: Perforated? ☐ Yes X No	red & brown rock - water bearing	270	<u> 293</u>
Type of perforator used	black rock	293	300
SIZE of perforations in. by in.	broken black rock - water bearing	300	<u>312</u>
perforations from ft. to ft.	hard grey basalt	312	<u>358</u>
perforations from ft. to ft.	black rock	358	<u>378</u> հоհ
perforations fromft. toft.	brown rock - water bearing	378 LOL	1011 1422
perforations from ft. to ft.	hard grey rock	1,22	1.75
perforations from ft. to ft.	hard black rock - water bearing	475	481
(a) CODERING.	hard black rock	415	499
(8) SCREENS: Well screen installed ☐ Yes ℤ No	soft black rock	1,99	504
Manufacturer's Name Model No	hard black rock	504	528
Diam. Slot size Set from ft. to ft.	-Continued on page two		
Diam. Slot size Set from ft. to ft.	Work started 19 . Completed		19
Diam, Slot size	Work Statted 13 . Completed		
(9) CONSTRUCTION:	(13) PUMP:		
well gravel packed? Yes No Size of gravel:	Manufacturer's Name		
Gravel placed from ft. to ft.	Type: OECE!	的官性	<i>3</i>
Was a surface seal provided? M Yes \(\) No To what depth? 250! 7"ft.		4000	
Material used in seal—200 sks cement grout	well briner's Statement:	1958	.
Did any strata contain unusable water? 🗌 Yes 🥇 No	This well was drilled under my jurisdiction.	and this r	eport is
Type of water? Depth of strata	true to the best of my knowledge and belief.		n e e
Method of sealing strata off	NAME		-
(10) WATER LEVELS:	(Person, firm, or corporation) (T	ype or print	•
Static level 1381 ft. below land surface Date 7-18-58	Address		
Artesian pressure lbs. per square inch Date	Driller's well number		
Log Accepted by:	[Signed](Well Driller)		
[Signed] Date, 19			
(Owner)	License No Date	,	., та

WASH 10200

1) OWNER:				
Name Aloha-Huber Wat	er Dist	cict -Co	ontinued	
Address	<u> </u>			
(2) LOCATION OF WE		if on		
County 4 Section -	Owner's n		R.	w.m
Bearing and distance from section		ion corner		
	*.5			
<u></u>				
A				
	-			
TYPE OF WORK (check):			
Well □ Deepening □] Reco		☐ Aban	don [
f abandonment, describe materi	al and proce	dure in Iten	n 11.	
(4) PROPOSED USE (c	heck):	(5) TY i	PE OF WEI	L:
Domestic 🗌 Industrial 🗎 Ma		Rotary Cable	☐ Driven ☐ Jetted	
gation 🗌 Test Well 🗎 Ot	her 🗆	Dug	☐ Bored	
(6) CASING INSTALL	ED: _T	hreaded [Welded □	
			Care	
" Diam. from				
" Diam. from	ft. to	f	t. Gage	
	ft. to	f	t. Gage	
" Diam. from	ft. to	f	t. Gaget.	
" Diam. from " Diam. from " (7) PERFORATIONS: Type of perforator used	ft. to	f erforated?	t. Gage t. Gage	
" Diam. from " Diam. from (7) PERFORATIONS: Type of perforator used SIZE of perforations	ft. to ft. to p	f erforated?	t. Gage t. Gage Yes D N	o
" Diam. from " Diam. from " (7) PERFORATIONS: Type of perforator used	ft. to	erforated?	t. Gage	o fi
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" Diam. from " Dia	in by	ft. t. ft. t. ft. t. installed	t. Gage	o fi
" Diam. from " Dia	in, by	ft. to ft. tr	t. Gage	0 ft ft ft ft
" Diam. from " Dia	in. by in. by Well screen	ft. t. ft. t. ft. t. ft. t. ft. t. ft. t. Model No.	t. Gage	
" Diam. from " Dia	in. by in. by Well screen	ft. t. ft. t. ft. t. ft. t. ft. t. ft. t. Model No.	t. Gage	
" Diam. from " Dia	in. by in. by om Well screen Set from	ft. t. ft. t. ft. t. ft. t. ft. t. ft. t. Model No.	t. Gage	fi fi fi
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"Diam. from	in. by in. by in. by om Well screen Set from Set from Yes □ No Page 1. No Page 2. Depth	ft. tr. ft. tr	t. Gage	o ff
"Diam. from	in. by in. by om Well screen Set from Set from P Yes □ No Quantity Depth ft. below lar	ft. tr. ft. tr	t. Gage	o fi

			-	,			*/	ذ .	ı /_
TER	WELL	REPORT			State	Well No	1/2W.	1240	13
7			• •		, State	*		,	*******

(11) WELL TESTS. Drawdown is amount		
(11) WELL TESTS: Drawdown is amount lowered below static le		is
Was a pump test made? Yes No If yes, by whom	n?	
Yield: gal./min. with ft. drawdow	vn after	hrs.
,, ,, ,,		**
19 19 19		,,,
Bailer test gal./min. with ft. drawdow	m after	hrs.
Artesian flow g.p.m. Date		
Temperature of water Was a chemical analysis m	ade? 🗌 Ye	s 🗌 No
(12) WELL LOG: Diameter of well		inches.
Depth drilled ft. Depth of completed v	vell	ft.
Formation: Describe by color, character, size of materi show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each of	al and struc the materic change of f	cture, and il in each ormation.
MATERIAL	FROM	TO
hard grey rock	528	_550_
soft brown rock - water bearing	550	<u>553</u>
hard grey rock	553	624
soft black rock	624	629
	629	653
hard grey rock	027	ככט
soft black rock possibly water	-	
bearing	653	657
KX black rock	657	694
grey shale	694	720
RICA DINGTO		
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<u> </u>		
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1	-	
	1 1	
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Work started Jan. 13 1958. Completed J	uly 18	19 58
Work started Jan. 13 1958. Completed J	uly 18	19 58
Work started Jan. 13 1958. Completed J (13) PUMP:	uly 18	19 58 WF 17
(13) PUMP:	uly 18 GE[[19 58 VE[[
(13) PUMP: DE	uly 18 GE[\	19 58 VE[[1958
(13) PUMP: 0 5	uly 18 GE[\	19 58 VE[[1958
(13) PUMP: Manufacturer's Name Type:	uly 18 GE[]\	19 58 VE[1958
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement:	GE[1 14421 = -	VE[[
(13) PUMP: Manufacturer's Name Type:	GE[1 14421 = -	VE[[
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement: This well was drilled under my jurisdiction true to the best of my knowledge and belief. NAME A. M. Jannsen Drilling Compa	GEN Why21	VE[
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement: This well was drilled under my jurisdiction true to the best of my knowledge and belief. NAME A. M. Jannsen Drilling Compa	GEIV HP21 and this	VE[1958 [report is
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement: This well was drilled under my jurisdiction true to the best of my knowledge and belief. NAME A. M. Jannsen Drilling Compa	GEIV HP21 and this	VE[1958 [report is
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement: This well was drilled under my jurisdiction true to the best of my knowledge and belief. NAME A. M. Jannsen Drilling Compa (Person, firm, or corporation) Address 21075 S. W. Tualatin Hiway Driller's well number	GEIV HP21 and this	VE[1958 [report is
(13) PUMP: Manufacturer's Name Type: Well Driller's Statement: This well was drilled under my jurisdiction true to the best of my knowledge and belief. NAME A. M. Jannsen Drilling Companies (Person, firm, or corporation) Address 21.075 S. W. Tualatin Hiway	GEIV HP21 and this	VE[1958 [report is

WASH 10200



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 RECEIVED

JUL 1 6 2009

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

WATER RESOURCES DEPT SALEM, OREGON

I. OWNER INFORMATION			
Current Owner Name (please p	rint): Tualatin Valley Water District	et; Attn: Joel A. Cary	
Mailing Address: 1850 SW			
City: Beaverton	State: OR	Zip:	97006
Mailing Address (to send Well	I.D.): Same as above		
City:	State:	Zip:	
II. <u>WELL INFORMATION</u> (Do not complete this section if the well rep	port is attached.)	
Township:	(North/South) Range:	(East/West)	Section:
	County:		
Street Address of Well:		City:	
Owner at time the well was cor	nstructed, (if known):		
If the property had a different s	treet address in the past:		
II. <u>GENERAL WELL INFO</u>	. RMATION (Do not complete this section is	if the well report is attached)	
II. GENERAL WELL INFO Use of Well (domestic, irrigation Date Well Constructed:		if the well report is attached) Casing l	
Use of Well (domestic, irrigation Date Well Constructed: Other Information: SUBMITTED BY (please print)	RMATION (Do not complete this section in the commercial, industrial, monitoring): Total Well Depth: 1: Joel A. Cary	if the well report is attached) Casing l	
Use of Well (domestic, irrigation Date Well Constructed: Other Information: SUBMITTED BY (please print)	RMATION (Do not complete this section in the commercial, industrial, monitoring): Total Well Depth: 1: Joel A. Cary	if the well report is attached) Casing l	
Use of Well (domestic, irrigation Date Well Constructed: Other Information: SUBMITTED BY (please print) PHONE: D; 503.848.3019 Send application to Oregon War	RMATION (Do not complete this section in the commercial, industrial, monitoring): Total Well Depth: 1: Joel A. Cary	Casing 1 3.356.3119 St NE, Suite A; Salem, Oregon	Diameter:
Use of Well (domestic, irrigation Date Well Constructed: Other Information: SUBMITTED BY (please print) PHONE: D; 503.848.3019 Send application to Oregon War	RMATION (Do not complete this section is an	Casing I Casing I 3.356.3119 St NE, Suite A; Salem, Oregon y Wednesday. ater Resources Department: mber: Well	Diameter:

Last Update: 11/04/08

Well I.D. Number/ 1

WCC



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

> LEWIS A. STANLEY State Engineer

STATE OF OREGON STATE ENGINEER WATER RESOURCES DEPARTMENT

SALEM

Permit No. G-588

REFER TO G-637

August 8, 1958

This report describes
the drilling and testing
of 15/2w-24 T(3),
WASH 10200, AlahaHuber Water District
Well # 1. KCW

MEMORANDUM ON THE ALOHA-HUBER WELL

The Alcha-Huber Water District, upon receipt of our Permit No. G-588 commenced construction of their production well in the NE¹/₄ SE¹/₄, 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.

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 lith 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.

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 noticibly 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

Page 2

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 Mill Co cero

Jack E. Sceva /Geologist