GFATE OF OREGON

· itale SR Well

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

state engineer, salem, oregon state within 30 days from the date of well completion.

Sta Armit No. .

WATER WELL REPORT

Name Oliver Abney	(11) WELL TESTS: lowered below static le		
	Was a pump test made? Yes S No If yes, by whom		
Address Lind, Wasnington	Yield: gal./min, with ft. drawdow	m after h	<u>rs</u> .
			_
(2) LOCATION OF WELL:	Bailer test gal./min. with ft. drawdo		_
County Umatilla Driller's well number	Bailer test gal./min. with ft. drawdo	wn after h	<u></u>
14 NE 14 Section 7 T. 2N R. 28E W.M.	Temperature of water Was a chemical analysis r	mades [7] Ves X	
Bearing and distance from section or subdivision corner			
	(12) WELL LOG: Diameter of well below ca	sing LO	••••
	Depth drilled 155t. Depth of completed we	u 155	čt.
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each cl	l and structure, as	nd Ch
	stratum penetrated, with at least one entry for each c	range of formatio	m.
	MATERIAL	FROM TO	_
3) TYPE OF WORK (check):	Soil Sandy	0 27	, -
	Gravel Sandy	27 51	
aandonment, describe material and procedure in Item 12.	Clay Brown	51 80	
(4) PROPOSED USE (check): (5) TYPE OF WELL:	Clay Blue	80 96	_
Rotary (1) Driven (1)	Clay White	96 101	_
Cable Detted Carlot Cable Detted Cable Dette	Clay Red	101 107	<u>.</u>
Dug 🖸 Bored 🖸	Clay Blue	107 119	_
6) CASING INSTALLED: Threaded Welded	Green Sand Boulders (hard)	119 132)
16 " Diam from 0 n to 120 n Gage 330	Gray Sand Boulders (hard)	132 155	_
" Diam. from ft. to ft. Gage			_
" Diam. from ft. to ft. Gage			_
7) PERFORATIONS: Perforated? Yes \ No	SEE DELPENING 7-25-08		
			-
ype of perforator used in. by in.	RECEIVED BY C	WRD	-
perforations from ft. to ft.	RECEIVED DI		-
perforations from ft. to ft.			
perforations from ft. to ft.	MAY 2 8 201	4	-
perforations from ft. to ft.			_
perforations from ft. to ft.	- 4. F44 ()		_
8) SCREENS: Well screen installed I Ves W No	SALEM, O		_
Wen arien manney () 145 M HD			_
ufacturer's Name			
Model No.		The state of the s	_
Slot size Set from ft. to ft.	Work started Fab 28 1866, Completed	May 6 196	
	Date well drilling machine moved off of well	May 7 19 6	<u>6</u>
) CONSTRUCTION:	(13) PUMP:		
/ell seal_Material used in seal_puddle_clay	Manufacturer's Name		
epth of seal 120 ft. Was a packer used? 110	Туре:	P	
tameter of well bore to bottom of seal	Water Wall Control of Control		-
ere any loose strata comented off? 🗆 Yes 🥸 No Depth	Water Well Contractor's Certification:		
/as a drive shoe used? ► Yes □ No	This well was drilled under my jurisdiction a	nd this report i	8
as well gravel packed? Yes X No Size of gravel:	true to the best of my knowledge and belief.		
ravel placed from ft. to ft.	NAME Ben Drever Drilling Cont (Person, firm or corporation) (Typ	ractor	
id any strata contain unusable water? 🗌 Yes 🍎 No			
ype of water? depth of strata	Address Rt. 1, Box 225 Hermiston	, uregon	••
ethod of scaling strata off	Drilling Machine Operator's License No7		
(0) WATER LEVELS:	Bearl Dage	01 1	
tatic level 90 ft. below land surface Date	[Signed] (Water Well Contractor)		
rtesian pressure lbs. per square inch Date	Contractor's License No. 12 Date Esy 8	1066	
has added a seaso	Constactor a fractise 140 Date Eta J	 18 ₩₩.	••

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the SALEM OREGON

STATE ENGINEER, SALEM, OREGON 97510
STATE ENGINEER, SALEM, OREGON 97510
Within 30 days from the date
of well completion.

(Please type or print) State Permit No. (11) WELL TESTS: (1) OWNER: Larry Hameron Drawdown is amount water level is lowered below static level Name Oliver Abney Was a pump test made? M Yes \(\subseteq \text{No If yes, by whom Driller} \) 800 gal./min. with 15 ft. drawdown after Lind Washington (2) LOCATION OF WELL: Bailer test gal./min. with ft. drawdown after hrs. County umatilla Driller's well number Artesian flow g.p.m. Date ME 14 Section 7 T2N **R28E** W.M. Temperature of water Was a chemical analysis made? ☐ Yes Y No Bearing and distance from section or subdivision corner Diameter of well below casing of it. (12) WELL LOG: 702 ft. Depth of completed well Depth drilled Formation: Describe by color, character, size of material and structure, and show thickness of aquifiers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. MATERIAL FROM (3) TYPE OF WORK (check): 400. Rock Gray hard 439. Deepening X Reconditioning [Abandon [] Loose Boulder 439 442 If abandonment, describe material and procedure in Item 12. Rock Black hard 442 512 (5) TYPE OF WELL: (4) PROPOSED USE (check): 512 Rock Gray hard Driven 🗆 Rotary [] Rock Black medium 578 594 Domestic 🗀 Industrial 🗋 Municipal 📋 Jetted [Cable Rock Gray bard 594 600... Irrigation X Test Well [] Other Dug Bored [600 625 Rock Gray medium (6) CASING INSTALLED: Threaded | Welded | Rock Glackreofthwater 625 697 702 Rock Black Medium 697 ___ Diam. from _____ ft. to ____ _" Diam. from _____ ft. to ___ "Diam. frum ____ ft. to ___ RECEIVED BY OWRD (7) PERFORATIONS: Perforated? [] Yes 10 No Type of perforator used Size of perforations in. by MAY **2 8 201**4 _ perforations from _____ ft_ to _ perferations from perferations from SALEM, OR (8) SCREENS: Well screen installed? | Yes XNo danufacturer's Name ___ Diam. Slot size ... __ Set from ____ 1966 Work started Nov. 15 155 . Completed Jan. 2 Diam. ____ Slot size ____ Set from __ Date well drilling machine moved off of well (9) CONSTRUCTION: (13) PUMP: Well seal-Material used in seal Depth of seal ____ ft. Was a packer used? . Type: Diameter of well bore to bottom of seal Water Well Contractor's Certification: Were any loose strata cemented off? [] Yes [No Depth . Was a drive shoe used? ☐ Yes ☐\(\)No This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was well gravel packed?

Yes 🛣 No Size of gravel: Gravel placed from _ ft. to .__ NAME Ben Drever Drilling Contractor Did any sirata contain unusuable water? Yes X No Type of water? depth of strata Address Rt. 1 Box 225 Hermiston Oregon Method of sealing strate off Drilling Machine Operator's License No. 7L (10) WATER LEVELS: 90 ft. below land surface Date /- 3-66 Static level

Ibs. per square inch. Date

Artesian pressure

Contractor's License No. 12 DateJan 22 196619

NOTICE TO WATER WELL CONTRACTOR E C E

The original and first copy of this report are to be
lifed with the

STATE ENGINEER, SALEM, OREGON 97810

SEP 3

Within 30 days from the date
of well completion WELL REPORT

1968 TATE OF OREGON

State Well No. 2N/28 - 7aad(2)

of well completion. STATE ENGINEER	rpe or print) 458/ State Permit No		
(1) OWNER. SALEM, OREGON	(11) WELL TESTS. Drawdown is amount	water lev	el is
Name Oliver Abney	Was a pump test made? A Yes \(\bar{\text{No}}\) No If yes, by who		
Address (Formerly of Lind, Washington)	Yield: 2690 gal./min. with 95 ft. drawdor		3 hrs.
815 Madrona, Hermiston, Oregon 97838	4 " "	***************************************	"
(2) LOCATION OF WELL:	# # #		"
il tall	Bailer test gal./min. with ft. drawd	own after	hrs.
County V744+111A Driller's well number	Artesian flow g.p.m. Date		
34 NE 34 Section 7 T. 2N R. 28E W.M.	Temperature of water 740 Was a chemical analysis	made? []	Yes 🗶 No
Bearing and distance from section or subdivision corner	(12) WELL LOG: Diameter of well below on	ssing 1	5"
	510	-	
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c	the mater	ial in each
** * . *		Table of	
(3) TYPE OF WORK (check):	Start 1/23/67 MATERIAL Deepening RECEIVED BY OWF	FROM	TO
	Decipolitus	-	
Well Deepening Reconditioning Abandon Incomment, describe material and procedure in Item 13.	White Basalt	150	160
	Clay MAY 2 8 2014	160	165
(4) PROPOSED USE (check): (5) TYPE OF WELL:	Red Sand & Clay	165	172
Domestic Industrial Municipal Rotary Driven	Red Rock	172	177_
Irrigation & Test Well Other Dug Bored	Red Sand & Clay SALEM, OF	177	186
(E) CACING INCRALLED.	Rock	180	185
	Red Porous Rock Hard Rock	185 192	192 200
16 Diam from 0 ft to 120 ft. Gage 330		200	222
Diam from ft. to ft. Gage	Red Porous Rock	222	285
ft. Gage	Hard Gray Rock Black Rock	285	299
(7) PERFORATIONS: Perforated? ☐ Yes ₺ No	Black Porous Rock & Green Clay	299	390
Type of perforator used	Hard Black Rock	390	445
Size of perforations in by in.	Black Porous Rock	445	515
perforations from ft. to ft.	Gray Hard Rock	515	540
perforations from ft. to ft.	Hard Black Rock	540	585
perforations from ft. to ft.	Blue Clay	585	605
perforations from ft. to ft.	Soft Black Rock	605	620
perforations from ft. to ft.	Hard Gray Rock	620	627
(8) SCREENS: Well screen installed? [] Yes E No	Water Rearing Strata	627	690
Manufacturer's Name			-
Model No.			
Daim. Slot size Set from tt. to ft.	1/05/27	E 120	
Diam. Slot size Set from ft. to ft.	Work started 1/23/67 19 Completed 7/2		19
	Date well drilling machine moved off of well 7/25	700	19
(9) CONSTRUCTION:	(13) PUMP: No pump yet		
Well seal—Material used in seal puddle clay	Manufacturer's Name		
Depth of seal fi. Was a packer used? DO	1	I.P	
Diameter of well bore to bottom of sealin.			
Were any loose strata cemented off? Tyes A No Depth	Water Well Contractor's Certification:		
Was a drive shoe used? ☼ Yes □ No	This well was drilled under my jurisdiction	and this	report is
Was well gravel packed? ☐ Yes ☒ No Size of gravel:	true to the best of my knowledge and belief.		
Gravel placed from ft. to ft.	NAME Oliver Abney		***************************************
Did any strata contain unusable water? 🗋 Yes 🛣 No	(Person, firm or corporation) (Ty 815 Madrona, Hermiston, Or		
Type of water? depth of strata	Address 815 Fladfold, Hellitscott, of		
Method of sealing strata off	Drilling Machine-Operator's License No.		
(10) WATER LEVELS:	(1/2: /0//		************
Static level 155 ft. below land surface Date 7/23/68	[Signed] (Water Well Contractor)	y	
Artesian pressure lbs. per square inch Date	Contractor's License No Date	20 -	10/8
	HEETS IF NECESSARY)	T	, 10.CK.W.
(COE ADDITIONAL SE	INDIAN IN HINCONDINA		

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AMMON

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

WATER WELL REPORT

WATER RESOURCES DEPARTMENT ECE V STATE OF OREGON
SALEM, OREGON 97310
within 30 days from the date
of well completion.

APR 18 197 (not write above this line)

State Well No.

APR 18 197 (not write above this line)

(1) OWNER:	(10) LOCATION OF WELL:
Name AMMEN BRESTEN ARMS NO.	County 2011AT 144 A Driller's well number 85-78
Address BOL 52- TEFFERSON	
	Bearing and distance from section or subdivision corner
New Well Deepening Reconditioning Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 33/ ft.
Rotary Driven Domestic Industrial Municipal	Static level 344 ft. below land surface. Date
Cable Jetted	Artestan pressure lbs. per square inch. Date
CASING INSTALLED: Threaded Welded	(12) WELL LOG: Diameter of well below casing 8 Below
14 Diam from 0 1 to 202 to Gage, 250	Depth drilled /205 ft. Depth of completed well /205 ft.
Diam. fromft. toft. Gage	
" Diam. from	Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated,
A PRINCIPAL PROME	with at least one entry for each change of formation. Report each change in
PERFORATIONS: Perforated? Yes No.	position of Static Water Level and indicate principal water-bearing strata.
Type of perforator used	MATERIAL From To SWL
Size of perforations in. by in.	Soil 0 6
perferations from	COBBLES 0 6 20
perforations fromft. toft.	BROKEN, G-REY BASAGE 20 181
perforations from ft. to ft.	HARD GREY " 18/288
(2) COPPENS	MED. " " 288 320
(7) SCREENS: Well screen installed? Yes Wo	SOFT PED " 320 356 UNIO
Manufacturer's Name	MED. GREY 11 356 500
Type Model No.	Seft " 500 370
Diam Slot size Set from ft. to ft.	BROKEN " " 520 575
Diam Slot size Set from ft. to ft.	HARO " " 575 780
(8) WELL TESTS: Drawdown is amount water level in	SOFT 11 11 180 812 with
lowered below static level	MED HARD " 4 8/2 /149
Was a pump test made? Wes No It yes, by whom? Pump	BROKEN KED " 149 1/6/ wales
Yield: gal./min. with ft. drawdown after 4 hrs.	BRONEN GREY " NE! 192
1600 GFM "	HARO 6. PEY 1/192/203
" " "	
Beiler test gal./min. with ft. drawdown after hrs.	
Artesian flow g.p.m.	
rature of water Depth artesian flow encountered ft.	Work started 3-2 1978 Completed 3-27 1978
Paritie of water Depth artesian now encountered	
(9) CONSTRUCTION:	Date well drilling machine moved off of well 3-27 1978
Well seal-Material used NEAT CENENT	Drilling Machine Operator's Certification:
Well sealed from land surface to 202 ft	This well was constructed under my direct supervision.
Diameter of well bore to bottom of sealin.	Materials used and information reported above are true to my best knowledge and relief
Diameter of well bore below sealin.	Signed Date 4/5 1978
Number of sacks of cement used in well seal 120 sacks	(Drilling Machine Operator)
How was cement grout placed?	Drilling Machine Operator's License No.
to comment and other statements of the comment of t	
/	Water Well Contractor's Certification:
Commence of the commence of th	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Was a drive shoe used? Tyes No Plugs Size: location ft.	Name WALLACE WELL URLY Co,
Did any strata contain unusable water? [] Yes (5 No	(Person, firm or corporation) Type or print)
Type of water? depth of streta	Address TENGLETTON, OKI
Method of sealing strata off	- Sauholice
Was well gravel packed? [Yes No Size of gravel:	[Signed] (Water Well Contractor)
	Contractor's License No. 533 Date 4-15 19.78
Cravel placed from ft. to ft.	
(USE ADDITIONAL SH	DEAD IF NEUESBARY) BY-43606-118

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the
STATE ENGINEER, SALEM 10, ORIGION
within 30 days from the date
of well completion. EMGINEE STATE OF OREGON
(Please type or print)

٠_		daa
'State	Well No.	21/27-2#1)

of well completion.	State Peril	III NO.
(1) OWNER:	lowered be	is amount water level is low static level
Name Clausie Ammon	Was a pump test made? ☐ Yes ☐ No If ye	s, by whom?
Address	Yield: gal./min. with	ft. drawdown after hrs
Echo. Oregon	. >>)+ p
(a) YOGARTON OR WHITE.	* ,, -	19
(2) LOCATION OF WELL:	Bailer test gal./min. with	ft. drawdown after hrs
County Umatilla Driller's well number	- Artesian flow g.p.m. Dat	
1/4 1/4 Section T. R. W.M.	Temperature of water Was a chemic	al analysis made? [] Yes [] No
Bearing and distance from section or subdivision corner	//A\ YETET T TOO	
	(12) WELL LOG: Diameter of w	ell below casing
	_ Depth drilled ft. Depth of co	
	Formation: Describe by color, character, size show thickness of aquifters and the kind and stratum penetrated, with at least one entry	s of material and structure, and I nature of the material in each for each change of formation.
	MATERIAL	FROM TO
) TYPE OF WORK (check):	Roulders	840 855
New Well Despening M Reconditioning Abandon		0.10
If abandonment, describe material and procedure in Item II.	Rock black hard	855 871
(4) PROPOSED USE (check): (5) TYPE OF WELL	Boulders blue hard	1 100вф 871 886
Domestic Industrial Municipal Rotary Driven	1 MATERIAL	From To SWL
Cable Dr Jetted U	DECOMPOSED BASALT	648 674 62
Irrigation of Test Well Other Dug Bored	HARD BASALT	674 681 62
(6) CASING INSTALLED: Threaded Welded	DECOMPOSED BASALT	681 683 62
Diam, from ft. to ft. Gage	HARD BAJALT	683 705 62
Diam. from rt. to rt. Gage	DECOMPOSED BASALT	705 725 62
Diam from ft. to ft. Gage		
(7) PERFORATIONS: Perforated? Yes No		
Type of perforator used	, after the second of the seco	<u> </u>
Size of perforations in. by in.	RECEIVED E	Y OWRD 1
perforations from ft. to		
perforations from ft. to,	NAV 9 0	barr 1
perforations from	MAY 28	2014
perforations from ft. to		
perforations from	SALEM:	he —
(8) SCREENS: Well screen installed? Yes No	OALLIVI,	
unacturer's Name		
Type Model No.	a til s	
Diam Slot size Set from # to #		
Diam Slot size Set from ft, to ft	Work started 1_25 18 62 Con	
	Date well drilling machine moved off of we	10 10
(9) CONSTRUCTION:	(13) PUMP:	and op
Well seal—Material used in seal	- Manufacturer's Name	
Depth of seal ft. Was a packer used?	. Type:	н.р.
Diameter of well bore to bottom of sealin.		
Were any loose strata cemented off? Yes No Depth	Water Well Contractor's Certification:	
Was a drive shoe used? 🗆 Yes 📋 No	This well was drilled under my jur	isdiction and this report is
Was well gravel packed? Yes No Size of gravel:	true to the best of my knowledge and h	
Gravel placed fromft. toft.	NAME Beh Dreyer Drilling	
Did any strata contain unusable water? Yes No	(Person, firm or corporation	
Type of water? Depth of strate	Address Rt 1Box 225 Hermi	ston, Oregon
Method of sealing strata off	Drilling Machine Country's Tierra	* 7
(10) WATER LEVELS:		11111
Static level FLOWING ft. below land surface Date /-26-6/	[Signed] (Water Well	Contractor)
Artesian pressure lbs. per square inch Date	Contractor's License No. 12. Date	5-20-63 19

(USE ADDITIONAL BHEFTS US NECESSARY)

UMAT 55669 RECEIVED

STATE OF OREGON WATER SUPPLY WELL REPORT

FEB 08 2006

(as required by ORS 537 765) WATER RESOURCES DEPT

well i.d. #1 82258 start card # 173606

instructions for completing this report are on the attender to be free	
(1) LAND OWNER Well Number	(9) LOCATION OF WELL (legal description) County UTANILA
Address P.O BEX 110	Tax Lot 700 Lot
Cin Hermston State DR Zip 97838	Township 2 N or S Range 27 E for W WM Section 02 NW 1/4 540 1/4
(2) TYPE OF WORK	
Deepening Alteration (repair/recondition) Abandonment Conversion	Lat or (degrees or decimal) Long or (degrees or decimal)
(3) DRILL METHOD	
Ø Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud ☐ Other	Street Address of Well (or nearest address) 73426 Huy 207
	(10) STATIC WATER LEVEL
(4) PROPOSED USE Domestic Community Lindustrial Plangation	213 ft. below land surface. Date 1-31-06
☐ Thermal ☐ Injection ☐ Livestock ☐ Other	543 ft. below land surface. Date 2-Z-OC
(5) BORE HOLE CONSTRUCTION Special Construction: Yes WNo	Artesian pressure Ib per square inch Date
Depth of Completed Well 205 ft Expros yes used Yes 246 Type Amount	(11) WATER BEARING ZONES
BORE HOLE SEAL	Depth at which water was first found From To Estimated Flow Rate SWL
Diameter From To Material From To Sacks or Pounds	From To Estimated Flow Rate SWL
	140
esisting see unat 44/	TYPH EXEISTING
How was seal placed Method A B C D E	(12) WELL LOG Ground Elevation
Other Backfilt placed fromft toft. Material	Material From To SWL
Gravel placed from the fit to the Size of gravel	Original well by
	SEO AND 8" Hole to
(6) CASING/LINER Diameter From To Gauge Steel Plastic Welded Threaded	Planta Co. Perry 4" RECEIVED BY OWRD
	- LEGET VED BY OWRD
	Hole to 12" Down to
20037-49	ZSD MAY 2 8 2014
Casing:	
	740' 8" Note &:
Drive Shoe used Inside Outside None	SALEM OR
Final location of shoe(s)	Dip not change
(7) PERFORATIONS/SCREENS	anything in the Hole
Perforations Method	
Screens Type Material	Date Started 1-30-06 Completed 2-2-06
From To Siot Number Diameter Tele/pipe Casing Uner	(unbonded) Water Well Constructor Certification
	I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well
	construction standards. Materials used and information reported above are true to
	the best of my knowledge and belief
	WWC Number 1735 / Date 2-2-06
(8) WELL TESTS: Minimum testing time is 1 hour	
Pump Bailer Pair Plowing Artesian	Signed / L
Yield galmin Drawdows Drill stem at Time	(boaded) Water Well Constructor Certification
800 740 141C	I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well-during the construction dates reported
	above. All work performed during this time is in compliance with Oregon water
Temperature of water 650 Depth Artesian Flow Found	supply well construction standards. This report is true to the best of my knowledge and belief.
Was a water analysis done? Yes By whom	
Did any strata contain water not suitable for intended use?	Signed Lany Bund
Salty Muddy Odor Colored Other	Signed Lanes Buro
Depth of strata	

UMAT 55809

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L	82258
START CARD#	173612

(1) LAND OWNER Owner Well I D.	(9) LOCATION OF WELL (legal description)
First Name Last Name	County UMATILLA Twp 2.00 N N/S Range 27.00 E E/W WM
Company HALE FARMS	Sec 2 NW 1/4 of the SW 1/4 Tax Lot 700
Address PO BOX 128	Tax Map Number Lot
City ECHO State OR Zip 97826	Lat °0 ' "or DMS or DD
	Long ° 0 ' or DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	Street address of well (Nearest address
X Alteration (repair/recondition) Abandonment	NEXT TO HALE ARENA - BUTTERCREEK HWY
(3) DRILL METHOD X Rotary Au	73426 HWY 207
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)
(4) PROPOSED USE Domestic X Irrigation Community	Existing Well / Predeepening 02-02-2006
Industrial/ Commencial Livestock Dewatering	Completed Well 02-16-2006
Thermai Injection Other	Flowing Artesian?
	WATER BEARING ZONES Depth water was first found
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy Depth of Completed Well 1,186 ft.	SWL Date From To Est Flow SWL(psi) + SWL(ft)
Depth of Completed Well 1,180 ft. BORE HOLE SEAL sacks/	
Dia From To Material From To Amt lbs	
	(11) WELL LOG Ground Flevation
How was seed about Mashed T 4 TB TC TD TE	Olong Education
How was seal placed: Method A B C D E	Malerial From To RECEIVED BY OWR
Router POURED GRAVEL/BENT	I DECEMBED OF OWN
Backfill placed from fi. to fi. Material Filter pack from fi to fi Material Size	
	MAY 2 8 2014
Explosives used:Yes Type Amount	IVIMI 40 ZUI4
(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Piste Wid Third	I CECENTER
Casing Liner Dia + From To Gauge Sil Piste Wid Thrd	SALEM, OF
	JALEW, UR
X X H H H H	MAR 2. 3. 2006
H HKKI H H KK K	
H HKKILL ELLENGER	WATER RESOURCES DEPT
Shoc Inside Outside Other Location of shoe(s)	SALEM, OREGON
(7) PERFORATIONS/SCREENS Perforations Method	
Perforations Method Screens Type Material	
The state of the s	
Perf/ Casing/Screen Scrm/slot Slot # of Tele/ Screen Liner Dia From To width length slots pipe size	Date Started 02-13-2006 Completed 02-16-2006
Treat to Whole length was pipe ma	(unbonded) Water Well Constructor Certification
	I certify that the work I performed on the construction, deepening, alteration, or
	abandonment of this well is in compliance with Oregon water supply well
	construction standards. Materials used and information reported above are true to
(9) WELL TESTS: Minimum testing time in 1 hours	the best of my knowledge and belief
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1735 Date 03-14-2006
Pump Bailer Air Flowing Artesian	Password (if filing electronically) ****
Yield calimin Drawdown Drill stem/Pump depth Duration (hr)	Signed (1)
	(bonded) Water Well Constructor Certification
	I accept responsibility for the construction, deepening, alteration, or abandonment
Temperature "F Lab analysis Yes By	work performed on this well during the construction dates reported above. All work
Water quality concerns? Yes (describe below)	performed during this time is in compliance with Oregon water supply well
from to Description Amount Units	construction standards. This report is true to the best of my knowledge and helief
	License Number 544 Date 03-14-2006
	Password (if filing/electronically)
	Signed Karry Barra

UMAT 55809

WATER SUPPLY WELL REPORT - continuation page

WELL I.D.	#L	82258
STADT CA	DN	4 173612

(5) BORE HOLE CONSTRUCTION					(10) STATIC	WATE	RLEVEL						
Dia Dia	ORE HO	l.E To		SEAL		sacks/	Water Bea						
JA	FRUIT	10	Material	Erom	To A	mt lbs	SWL Date			Cat Plan	011/1 /	+ 0117 (0)	
			1				3WL Date	From	To	EST Flow	SWL(psi)	+ swl(ft)	
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	 		-	 									
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		PACK											
, i	rom	To	Material Size										
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	CINC	wee					(11) WELL	LOG					
(6) C/	ASING/	LINER						Material			From	To	
Casi	ng Liner	Dia	+ From To	Gauge Sti	Pistc W	ld Thrd]
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(8) W	ELI. TE	STS: N	linimum testing	time is I ho	mr								
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1 Jeig	eal/min	Drawo	own Dru stem	Pumo depth	Duratio	n (DF)	Comments/	temests.					
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FIOR	·		Description				FILLED FRO				_		
							BENTONITE	= 6 SACKS					
							GRAVEL = 8						
			~ ~~										Į.

UMAT 55736 UMAT 55736

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 580-205-0210)

WELL LABEL # L	99396
START CARD#	186481

(1) LAND OWNER Owner Well I.D. UMAT 441	(8) LOCATION OF WELL (legal description	-1
First Name Last Name		
Company Hale Farms	Sec 2 NW 1/4 of the SW 1/4 T	ge <u>27. E</u> E/W WM
Acdress 115 W. Hermiston Ave	*	ot cot 700
City Hermitian State OR Zip 97838	Lat C ' or 45.68194 N	DMS or DD
	Long 0 or -119.39360 W	DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	Street address of well (6 Nearest add	
X Alteration (repair/recondition) Abandonment		11033
(3) DRILL METHOD	West of HWY 207 and N of Eagle Ranch Rd; Echo, OR	
X Rotary Air Rotary Mud Cable Auger Cable Mud	(40) CTATIC WATER EVEL	
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL	(ps.) + SWL(ft)
(4) PROPOSED USE Domestic X trigation Community	Existing Well / Predeepening 04-18-2006	514.
Industrial Commercial Livestock Dewatering	Completed Well 04-25-2006	463.5
Thermal Injection Other	Flowing Artesian? Dry I	dole?
party.	WATER BEARING ZONES Depth water was	
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy	SWL Date From To Comment Est Flow S	WL(psi) + SWL(ft)
Depth of Completed Well 1.146.5 ft.		—
BORE HOLE SEAL sacks/ Dia From To Material From To Amt los		
the state to material from the state to		
	(11) WELL LOG Graved Stavelles RE	CEIVED BY OWRD
How was seal placed: Method A B C D E	Material	From To
Other	See UMAT 441 for well construction details.	MAY 2 8 2014
Backfill placed from ft. to ft. Material Size		1810-11
Explosives used: Tes Type Amount		
	Backfill bottom of well	SALEM, OR
(6) CASING/LINER Casing Liner Dia + From To Cauge Sti Plate Wild Third	-8" open hole	O/(FEIVI)
Cash & Chief Cash A Local La Cash Cash Land Land	Cement - 2 sacks	1,146.5 1,152.5
A X - F - X X F H	Bentonite Pellets - 11 buckets (50 lbs)	1,152.5 1,173.8
A B B B B B B B B B B B B B B B B B B B	Pea Gravel - 10 sacks	1,173.8 1,180.
	Bentonite Chips - 23 sacks	1,180. 1.184.
	BECEIVED	
Shoe Inside Outside Other Location of shoe(s)		
Temp casing Yes Dia From To		
(7) PERFORATIONS/SCREENS	MAY 2 4 7006	
Perforations Method	WATER RESOURCES D	FOT
Screens Type Material	SALEM, OHEGON	
Perf: Casing Screen Scrn/slot Stot # of The/		04.00.0000
Scree /Linear Dia from To wigth lengt slots plue	Dat: 5/2/005 U4-18-2006 Completed	04-26-2006
Executive and the control of the con	(unbonded) Water Wall Constructor Certification	
	I certify that the work I performed on the construction abandonment of this well is in compliance with	
	construction standards. Materials used and informa	
	to the best of my knowledge and bolial	
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1702 Date	5-22-06
Pump Barler Air Flowing Artesin	Password : (if thing electropically)	
Yeld gasimir Drowdown Or II stem/Dump depth Duration (hr)	Signed Anna Signed	
	(bonded) Water Well Constructor Certification	
	i accept responsibility for the construction, abandonment work performed on this well du-	
	reported above. All work performed during this	
Temperature 'F Lab analysis Yes By		This report is true to the best
Water quality concerns?	of my knowledge and gallef	5-17-06
From To Description Amount Units	Password . (if filing discronic live	
	Signed Willy	
	Contact Info	
	Table 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	

UMAT 55736 UMAT 55736

WATER SUPPLY WELL REPORT - continuation page

WELLI.D. # L 99396

START CARD # 186481

STER LEVEL

(5) BORE HOLE CONSTRUCTION BORE HOLE SEAL SACKS! Dis From To Materia From To Arriving	(10) STATIC WATER LEVEL Water Bearing Zones
Use From 10 Materia: From To Amt ins	SWL Date From To Est Flow SWL(psi) + SWL(ft)
FILTER PACK From To Material Size	
TION 10 HILLOUIS	
	(11) WELL LOG
(6) CASING/LINER	Materiel From To
Casing Liner D.a + From To Gauge Sti Pisto Wid Third	Material From To OWRD
HHHH H	MAY 2 8 2014
	WA 40 2014
89-H-89HH	
	SALEM, OF
·	
(7) PERFORATIONS/SCREENS	
Perf! Casing Screen Scrision Slot Fol Tele! Scree /Liner Dia From To width lengt slots pipe	
Scree /Lines Dia From To width lengt slots pipe	RECEIVED
	1130211130
	MAY 2 4 2006
	WATER RESOURCES DEPT
	SALEM, OREGON
(8) WELL TESTS: Minimum testing time is 1 hour	
Yield ga/min Drawdown Dnill stem/Pump depth Duration (hr)	Comments/Remarks
	See UMAT 447 for well construction details.
	Placed pea gravel backfill between 7173.8 to 1190 due to excessive loss of
	bentonite
Water Quality Concerns	
From To Description Amount Units	

UMAT 55692

STATE OF OREGON WELL I.D. # L 82258 WATER SUPPLY WELL REPORT START CARD # 123790 (as required by ORS 537 765) Instructions for completing this report are on the last page of this form. (1) LAND, OWNER (9) LOCATION OF WELL by legal description: Well Number ... Hale FARINS County Limatilla Latitude _____ Longitude ... Township 2 S or S Range 27 Address P.O. Box 110 State OR City Hermisten NW 1/4 5W1/4 2) TYPE OF WORK __Block_ __Lot ____ Subdivision New Well. Deepening PAlteration (repair/recondition). Abandonment Street Address of Well (or nearest address) (3) DRILL METHOD: (10) STATIC WATER LEVEL: Other. 428 ft. below land surface. _lb. per square inch (4) PROPOSED USE: Artesian pressure □ Domestic □ Community □ Industrial Image I (11) WATER BEARING ZONES: Injection _ Thermal Livestock Other_ Depth at which water was first found (5) BORE HOLE CONSTRUCTION: Special Construction approval. TYes TNo. Depth of Completed Well. From Estimated Flow Rate SWL Explosives used Tites Dio Type_ _ Amount SEAL Diamejer From Sacks or pounds Material From 14 73/4 CAMENT 1170 1165 (12) WELL LOG: Method How was seal placed: $\Box A$ Ground Elevation Other Material From SWL. Backfill placed from ft te____ft Material Gravel placed from ft to___ Size of gravel (6) CASING/LINER: To Gauge Steel Threaded J Drive Shoe used Thiside Toutside None RECEIVED BY OWRD Final location of shoc(s), (7) PERKORATIONS/SCREENS: RECEIVED Perforation MAY 28 2014 Screens Material Telc/pipe MAR 1 3 2006 From Casing Liner SALEM, OR WATER RESOURCES DEPT SALEM. OREGON Date started Completed (8) WELL TESTS: Minimum testing time is 1 hour Flowing (unbonded) Water Well Constructor Certification: Pump ... Air Artesian ... I certify that the work I performed on the construction, alteration, or abandon-Vield galimin Drill stem at Time Drawdown ment of this well is in compliance with Oregon water supply well construction l hr standards. Materials used and information eported above are true to the best of my knowledge and belie ERSOEIN EC WWC Number Date _ (bonded) Water Well Constructor Certification: Temperature of water Depth Artesian Flow Found

Too little

Signed _

TYes By whom ..

Did any strata contain water not suitable for intended use?

☐ Salty ☐ Moddy ☐ Odor ☐ Colored ☐ Other

Was a water analysis done?

Depth of strata ___

Date 2.22-2006

I accept responsibility for the construction, alteration, or abandonment work

performed on this well during the construction dates reported above. All work

An son well

STATE ENGINEER Salem, Oregon



OBSERVATION WELL

Well Record

STATE WELL NO. 2N/27-1F(1)
COUNTY Umatilia
APPLICATION NO. U- 750

OWNER: Ammon Bros.	MAILING ADDRESS:		
LOCATION OF WELL: Owner's No.	CITY AND		
SE 1/4 NW 1/4 Sec. 1 T. 2 XXXR. 27 XXX			
	W.M.		
Bearing and distance from section or subdivision	_ •		
corner N.47°34'W. 3942.2' from SE cor. of se	C. 1	F(1)	
		0	
Altitude at well 760'+			
TYPE OF WELL: Drilled Date Constructed 1952	2		
Depth drilled554 Depth cased110	********	Sectionl	
CASING RECORD:		RECEIVE	D BY OWND
15 inch set from 0 to 140 feet 15 inch open hole from 140 to 240 12 inch from 240 to 554 feet	feet	MAY	2 8 2014
		SAL	EM OR
FINISH: Open hole			
AQUIFERS:			
Basalt			
WATER LEVEL: 327 feet			4-17-7-1
PUMPING EQUIPMENT: Type Turbine Capacity 1000 G.P.M.			н.р. 150
WELL TESTS: Drawdown 20 ft. after		1000	
			G.P.M.
Drawdown ft. after	nours		G.P.M.
SOURCE OF INFORMATION U-682		F	, 19
Log X Water Level Measurements	Chemical Anal	ysis Aqu	ifer Test
REMARKS:			

STATE ENGINEER Salem, Oregon MAY 28 2014

SALEM, OR

State Well No. 2N/27-1F(1)

County Umatilla

Application No. U-750

OALLIN, O

Well Log

Ammon Bros.

Owner: Owner's No.

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness
CHARACTER OF MAISRIAL	From	To	(feet)
So <u>il</u>	0	12	12
Gravel	12	<u> </u>	2
Clay, yellow	<u> ນ</u>	50	36
Shale	50	70	20
Clay, yellow	70	85	15
Clay, red	85	120	35
Clay, green	120	130	10
Clay, blue	130	170	lio
Rock, black, medium	170	203	33
Rock, black, soft	203	221	18
Rock, black, hard	221	255	29
Rock, red, soft	255	292	37
Rock, blue, hard	292	1,22	130
Rock, black, medium	1422	1,1,9	27
Rock, black, hard	1,1,9	1,60	11
Rock, black, medium	1,60	1472	12
Rock, black, hard	J ₁ 72	1,79	7
Rock, black, soft	479	500	21
Rock, black, medium	500	554	54
The second secon			

NOTICE TO WATER WELL CONTRACTOR

Artesian pressure

The original and first copy of this report are to be filed with the

WATER WELL REPORT

State Well No. .

STATE OF OREGON
WHOLE THE OF Print) STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion. State Permit No. (1) OWNER: (11) WELL TESTS: Drawdown is amount water level is lowered below static level as a pump test made?
Yes No If yes, by whom? Name Yield: Address gal./min. with ft. drawdown after SALEM, OF GO hrs. (2) LOCATION OF WELL: Bailer test gal./min. with ft. drawdown after County Umatilla Driller's well number Artesian flow g.p.m. Date 14 Section T. Temperature of water Was a chemical analysis made?

Yes

No Bearing and distance from section or subdivision corner Well No 9 (12) WELL LOG: Diameter of well below casing Depth drilled ft. Depth of completed well 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. (3) TYPE OF WORK (check): Encountered Steal object Deepening 📈 Reconditioning Abandon [800' was unable bandonment, describe material and procedure in Item 12. (4) PROPOSED USE (check): (5) TYPE OF WELL: Rotary Driven D Domestic 🗍 Industrial 🗎 Municipal 🗍 Jetted | Bored | Cable Irrigation Test Well [] Other Dug (6) CASING INSTALLED: Threaded | Welded | Gage | Threaded | Welded | Gage | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | Threaded | T Threaded | Welded | ___ ft. to ___ No Loses (7) PERFORATIONS: Perforated? 🗆 Yes 🌠 No RECEIVED BY OWNU Type of perforator used Size of perforations in. by MAY 28 2014 perforations from ft. to ... SALEM, OF ... perforations from ... __ perforations from ___ (8) SCREENS: Well screen installed Yes No __ Slot size _____ Set from ... 19 Work started Completed Diam. __ Slot size ____ ___ Set from . Date well drilling machine moved off of well (9) CONSTRUCTION: (13) PUMP: Diameter of well bore to bottom of seal ... Water Well Contractor's Certification: Were any loose strata cemented off?

Yes

No This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was a drive shoe used? ☐ Yes ☐ No Was well gravel packed? [] Yes [] No Size of gravel: . Gravel placed from _____ ft_ to ____ Did any strata contain unusable water?

Yes
No O. Box 40 Lowden uh Type of water? Depth of strata Method of sealing strata off Drilling Machine Operator's License No. (10) WATER LEVELS: Static level ft. below land surface Date

lbs. per square inch Date

Contractor's License No. 3.77 Date

STATE ENGINEER Salem, Oregon

MAY 28 2014

State Well No. 2N/27-1F()

County Umatila

SALEM, OR

Application No. V-750

Water Level Record

			<u> </u>		
Date	Water Level Feet (ahoue) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
25-61	63,92	WSB (STATIC)			
-23-61	28Z.0	WSB - Pumping			
-7-61	24.31	ROS WES (STATIC)			
	Transporterior 1. La consequence algorithm of the state o			:	
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	S:				

MAY 2 8 2014

SALEM, OR

2N/27-1F1 Well No. 1 Umatilla

Notes from Claussie Ammon

1960

February 1 Static water level 334'

was 2981

June 21

1961

	1961
January 1 February 1 March 16 April 9	Drilling on well Drilling on well Static water level 7' Well started flowing pressure at pump 3 lbs.
	1962
February 6 April 25	Started flowing about 50 gallons per minute Well stood at 40" with the west well pumping before starting the east pump
July 3	After 6 hours of pumping at 55 lbs. pressure static water level 322 feet.
	1963
May 22	Started well at 9:00 A. M. Static water level of well before the pump was started was 128 feet. After 6 hours of pumping on both wells static water level of Well No. 1 was 285 feet.
	423 sprinklers were being run between both wells, with an average of 40 lbs pressure or better at the first sprinkler on each line. Gauges at both pumps registered an average of 50 lbs. pressure or slightly over.
May 28	Static water level in Well No. 1 before either Well No. 2 or Well No. 1 were turned on was 128 feet. 10 hours later of continuous pumping of both wells, No. 1 stood at 294 feet.
June 4	Static water level before either well No. 2 or Well No. 1 were turned on was 122 feet. After 6 hours pumping of both wells, well No. 1 stood at 289 feet.
	After 6 hours pumping of both wells, Well No. 2 would suck air which 40 lbs of pressure at pump. Well No. 1 turned off.
June 11	Before starting either well, No. 1 started 124" After 6½ hours pumping of both wells, No. 1 stood 293'
June 20	After 7 hours pumping on both wells, No. pumping level

Before starting either pumps, No. 1 stood at 132'.

MAY 28 2014

2N/27-1F1 Well No. 1 Umatilla

SALEM, OR

Claussie Ammon

1963

June 27	Static level 110' after 9 hours rest.
June 29	Static level 100' after 9 hours rest.
	After 6 hours pumping of both wells, No. 1 pumping
	level 298'
July 10	Static level 112' after 10 hours rest.
	Pumping 292' after 6 hours rest:
July 21	Static level 115' after 7 hours rest
	Pumping 298' after 6 hours rest.

-727 - 1F(1)

IN REPLY REFER TO:



UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
GROUND WATER BRANCH
Box 3418 - 1001 N. E. Lloyd Boulevard
Portland 8, Oregon

FEB 27 1961, STATE ENGINEER

RECEIVED BY OWRD February 24, 1961

Mr. Claussie Ammon

State Engineer

MAY **28** 2014

Echo, Oregon

SALEM, OR

Dear Claussie:

Enclosed is a copy of the drawing I made on the meter survey of your number 1 well.

I talked to Cecil Garbe of Pump, Pipe and Power about the peculiar surging of your wells. He offered two suggestions from his well-setting experiences.

He says that sometimes the shaft of a pump will stretch and cause the impellers to rub on the plate of each bowl in such a way as to give a surging effect, but that this commonly occurs only in deep settings of a pump. Also, he couldn't visualize it happening in two wells simultaneously.

He also stated that sometimes a well will surge when the pump is set so tightly that air can't get down to the water/surface in the well. This causes the dropping water level to be helpes upward by vacuum suction. As the water level is being lowered by the pump faster than it is being maintained by the artesian pressure in such a pumping situation, there will be a point where it will develop a vacuum. At this point it will be held up momentarily by the vacuum, then break the vacuum and drop suddenly, then re-establish the vacuum lift and rise, etc. The whole operation, he says, gives a surging as though the pump was breaking suction. He says this type of thing might have happened in your artesian well if the pump is sealed tight, but he didn't see how it would happen in the two wells simultaneously.

It seems a possibility that this type of surging might have started in your artesian well and the resultant ground-water wave might have produced a similar effect in your newly deepened well. Anyway, it's the most logical clue I have run across. The possibility of this causing your surging could be determined by lifting the pump an inch or two so as to eliminate any vacuum seal on your artesian well.

MAY 28 2014

SALEM, OR

From the enclosed chart of the water movement in your well, I can't see anything that might cause a pump to surge. You'll note that the sone which is apparently taking water is only about 15 feet (from 550 to 565).

The small amount of water moving rather puzzles me. From the pressure difference and the known productive capacity of the upper aquifer, one would expect it to be taking much more water. I would suspect that the reason more water isn't moving out lies in the plugging of the upper aquifer by drill cuttings and other debris that have risen with the water and traveled out into the pore spaces of the upper aquifer.

I hope this type of information will be of some help in your problem.

Sincerely yours,

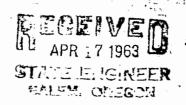
R. C. Newcomb Research Geologist

Enclosure

Copy: State Eigneer

MAY 28 2014

SALEM, OR



GROUND WATER BRANCH Box 3087 Pertland 8, Oregon

April 4, 1963

Mr. Claussie Ammon Butter Greek Road Meho, Oregon

Dear Claussie:

Raclosed are three copies of the chart we made on the vertical flow measurements in your eastern well on April 2, 1963.

During the charting of the readings, we didn't find enything of importance except what we talked about at the well.

Summarized, I would say these measurements show about 200 gpm coming out of the 770-830 feet zone and flowing from the top of the well. The vater speeds up or place down about in proportion to the size of the pipe or hole through which it is flowing. I can't see that you're losing any water from the well.

The 10-inch liners are probably shown inaccurately because we didn't get a copy of Ben Dreyer's last report, and I didn't copy it from your log because I assumed we would have that data in the office.

Let us hear from you at least occasionally. I would like the epportunity to collect similar data in your western well.

Sincerely yours.

R. C. Hewcomb Research Geologist

Enclosure

cc: District Geologist, Portland Oregon State Engineer, Salem ~

RCN/nj

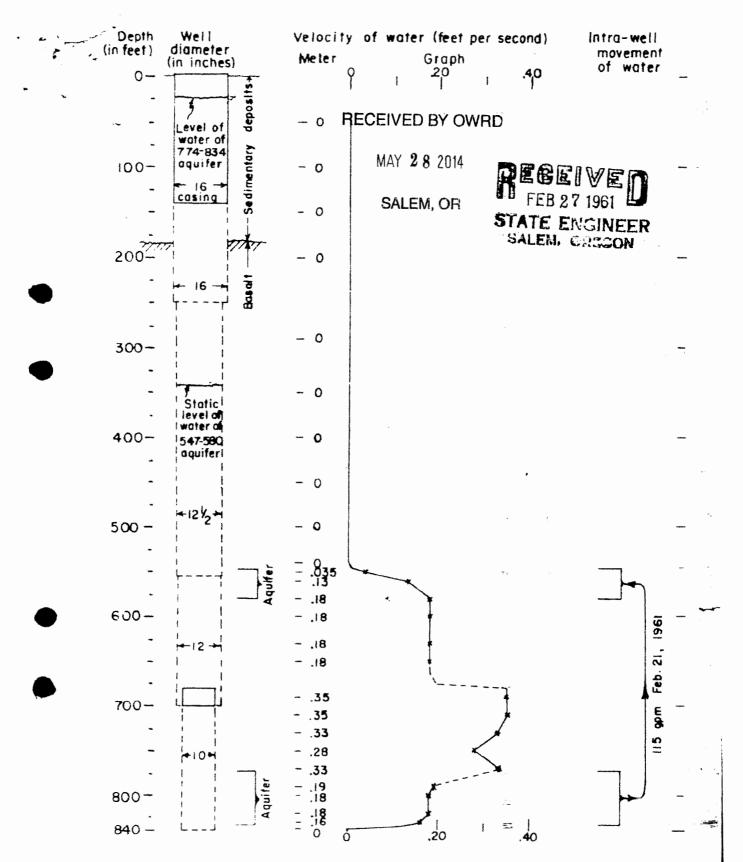
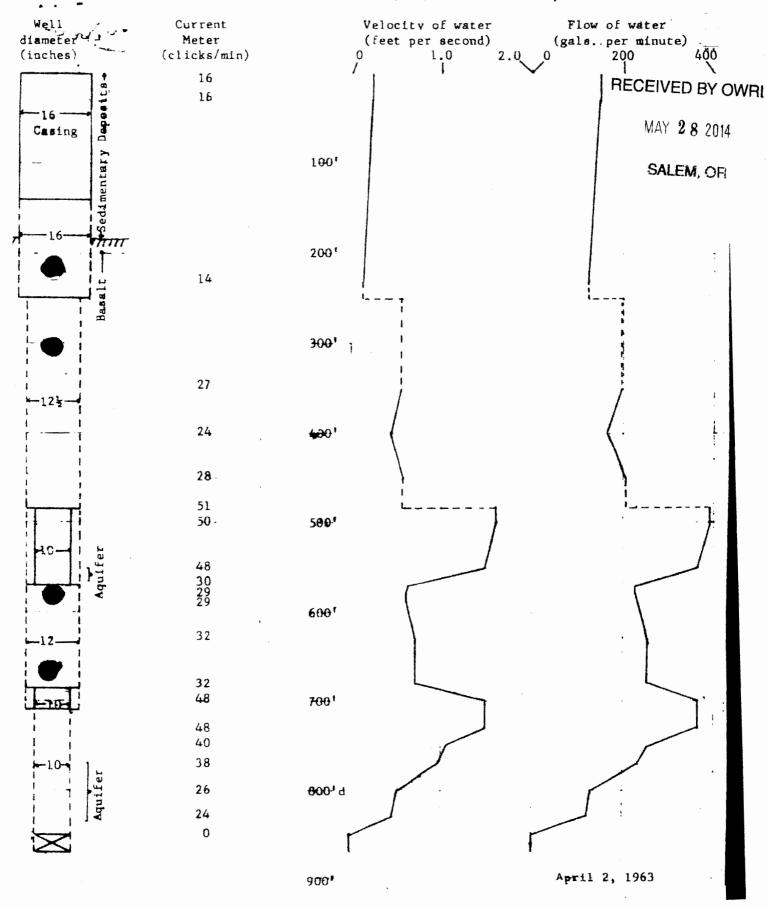


Figure — Movement of water between bosalt aquifers in the C. Ammon well no.1 (2/27-151) near Echo, Oreg.



MAY 28 2014

NOTICE TO WATER WELL CONTRACTOR

(10) WATER LEVELS:

Artesian pressure

Statio level D ft. below land surface Date

lbs. per square inch Date

WATER WELL REPORT 43

SALEM, OR

The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, CRECOM within 30 days from the date of well completion. State Well No. 21/27-1F STATE OF OREGON State Permit No. Drawdown is amount water level is lowered below static level (11) WELL TESTS: (1) OWNER: Clausie H TAPE ENGINER Res a pump test made? I Yes I No If yes, by whom? Name SALEM OF EGO? gal/min. with ft. drawdown after (2) LOCATION OF WELL:
County UMAGUELA Driller's well number Baller test pal/min. with ft. drawdown after Artesian flow Was a chemical analysis made! Tes 1 No ... Temperature of water ering and distance from section or subdivision corner (12) WELL LOG: Diameter of well below casing . No.2 Depth drilled ft. Depth of completed well 红 Formation: Describe by color, character, sine of material and structural above thickness of equifers and the kind and nature of the material is stratum penetrated, with at least one entry for each change of form (3) TYPE OF WORK (check): neountered steal object Well Despening Reconditioning Reaconditioning Abendon [] unable atop (5) TYPE OF WELL: (4) PROPOSED USE (check): Rotary Driven Cable E Jetted Dug Bored D Domestic [] Industrial [] Municipal [] Errigation Test Well [] Other cheeked HATESIAY (6) CASING INSTALLED: Threshold Welded Threaded | Welded | __ ft. to ____ft. Gage _ * Diam. from _ Diam_from _ (7) PERFORATIONS: Perforated? [] Yes 5 No Type of perforator used in by Stre of perforetions ... perforations from ... ft to _ perforations from perforations from At to (8) SCREENS: Well screen installed | Yes KNo _ Model No. . 19 Completed ft to .. Riot eige Set from Work started ft to . ___ Set from ___ Diam Slot sixe Data well drilling machine moved off of well (13) PUMP: (9) CONSTRUCTION: Well seal Material used in seal Checker See/s Manufacturer's Name ... H.P. .. ster of well bore to bottom of seal Water Well Contractor's Certification: Were any loose strata commented off? [] Yes [] No Depth This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was a drive shoe used† □ Yes □ No Was well gravel packed? [] Yes [] No Size of gravel: . Gravel placed from _____ ft. to _____ Did any strata contain unusable water? [] Yes [No Depth of strata Type of water? Method of scaling strain off Drilling Machine Operator's License No.

(USE ADDITIONAL SHEETS IF NECESSARY)

[Signed] .

Contractor's License No. 3.771/Date &

HANSON Well #1

DESERVATION WELL UMAT

State Well No.

File Origin	
First Copy STATE EN	with the
STATE EN	GINEER
SALEM, O	REGON

STATE ENGINEER JALEM, CRESON

TER WELL REPORT STATE OF OREGON

State Permit No. G-1227

(1) OWNER:	(11) WELL TESTS: Drawdown is amount water level is lowered below static level
NamoClarence Hanson & MAYNARD AAby Address Rt. 1 Box 71	Was a pump test made? Yes No If yes, by whom? Yagar
Address Rt.1 Box 71 / Echo Oregon.	Yield: BYR gal./min. with ft. drawdown after hrs.
A LIVE CONTRACTOR OF THE CONTR	889 " 72 " 4 "
(2) LOCATION OF WELL:	Bailer test gal./min. with ft. drawdown after hrs.
County Umatilla Owner's number. If any 2	Artesian flow g.p.m. Date
NW 14 NW 14 Section /2 T. 2N R. TE W.M.	Temperature of water Was a chemical analysis made? Yes No
Bearing and distance from section or subdivision corner	
10 F South & 10 FT EAST FRE	(12) WELL LOG: Diameter of well 12x10 inches.
The NIV Across of Sec	Depth drilled 959 ft. Depth of completed well 959 ft.
THE NW CORNE OF SEC. 1	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 peneirated, with at least one entry for each change of formation.
kar on sign men sign men men men men men men men men men me	MATERIAL FROM TO
(3) TYPE OF WORK (check):	
New Weil ⊒ Deepening □ Reconditioning □ Abandon □	Log attached
If abandonment, describe material and procedure in Item 11.	
DECEMBER AND ASSESSED	RECEIVED BY OWRD
PROPOSED USE (check): (5) TYPE WELL:	THE COUNTY OF TH
Domestic Industrial Municipal Rotary Driven Cable Jetted	
Irrigation ☐ Test Well ☐ Other ☐ Cable ☐ Jetted ☐ Bored ☐	MAY 2 8 2014
(6) CASING INSTALLED: Threaded □ W led 🔀	The second secon
12 "Diam from Q n to 178 n de Std.	CALEN OF
10 "Diam from 642 ft to 748 ft de 8td.	SALEM, OR
"Diam from ft to ft de	
(7) PERFORATIONS: Pertorated? No	
Type of perforator used	Augustic constitution of the contract of the c
SIZE of perforations in. by in.	
perforations from ft. to ft.	And the second s
perforations from ft. to ft.	
perforations fromft toft	
perforations fromft. toft.	entropy and a supplication of the supplication
(8) SCREENS: Well screen installed es X No	
Manufacturer's Name Type Model No.	
Tiam Slot size Set from ftft	Management of the control of the con
m. Siot size Set from ft	Work started 3/24 1959 Completed 9/17 1959
	work stated of the completed of the infig
(9) CONSTRUCTION:	(13) PUMP:
Was well gravel packed? Tyes X No Size of gravel:	Manufacturer's Name
Grave: placed from ft. to	Type: H.P.
Was a surface seal provided? XI Yes I No To what det ?	Trail Dallaria Gladananda
Did any strata contain unusable water? Tyes 7 No	Well Driller's Statement:
Type of water? Depth of strata	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Method of sealing strate off	Vocam Destant
(10) DUARDED LEVIELS.	NAME Yager Drilling Co. (Type or print)
(10) WATER LEVELS: Static level 55 ft. below land surface 1 9/17/59	Address Rt. 3 Box 347-D Walla Walla Wn
Static level 55 ft. below land surface II 9/11/09 Artestan pressure lbs. per square inch II	50-19
	Driller's well number 59-13
Log Accepted by: Jarena Jan	(Signed) Harald Gager
[Signed] Date 19U.5	(Well Diffler)
(Owner)	License No. 155 Date 10/1/59 , 19

B ADDITIONAL SHEETS IF NECESSARY)

OCT 26 1959		, ,		2N/27-12 D (1)
001 00 1000	ii.		og .og	Hanson bob Well No. 2
STATE ENGINEER	**	From	To	Static Water Level
JALE FORMATION		0	13	
Gravel Cemente	эđ	13	56	RECEIVED BY OWRD
" &black	shale	56	60	SWXXXXXXXXXXXXX
Rock " *	11	60	91	MAY 28 2014
Black shale		91	116	MINT 20 2017
	eticky	116	140	
" black Basalt	hard	140 159	$\begin{array}{c} 159 \\ 187 \end{array}$	SALEM, OR
n gray	hard	187	219	
" shale	IIII E	219	226	
" black	med.	226	239	
gray	hard	239	271	•
" &clay brow		271	277	
red red	11	277	288	
black	med.	288	369	
81 a v	hard	309	414 422	
01807	med. hard	414 422	422	
" gray black	med.	427	452	
" gray	hard	452	461	
и п	med.	461	464	
" black	11	464	477	
" gray	hard	477	487	•
" black	med.	487	495	
ii hamam	hard	495	505	We have become GWT OAL 6/5/50
" brown	Boft	505	525 529	Water bearing SWL 24' 6/5/59
	hard n	525 x 529	527	
" black gray	Ħ	537	549	" 22' 6/9/59
black	med.	549	558	
	hard	558	570	
" gray	Π	570	596	
" black	Med.	596	610	Gravica@674! # 371 -7/7/59
8: a.	hard	610	6 7 5	Crevice@674! " 37! 7/7/59
" black	soft hard	675 68 4	684 693	Cemented 30 sks.
п п	med.	693	701.	Camanaga ac pro-
Shäle "		701	704	
green		704	713	
" black		713	721	" 52° 7/27/59
Basalt "		721	725	
Shale green		725	730	7010 7 Day 8401 11 CAL 0/0/50
" & rook	Y	730	771	10"holefrom 748' " 64' 8/9/59
Basalt black	hard mad.	771 780	7 80 783	
17 17	hard	78 3	871	" 69' 8/16/59
e n	soft	871	873	Clausie Ammon shut off his big pump 8/18 SWL raised to 50% t. He started the pump again 8/19 SWL dropped to 66 ft.
11 11	hard	873	882	Crevice & 882'
n u	11	882	904	
n n	med.	1904	914	
17 17	hard	914	959	caving

Apparently the well is water bearing from 771' to 959'

STATE ENGINEER Salem, Oregon

MAY 28 2014

State Well No. 2N/27-120(1)

County UMATILLA

SALEM, OR

Application No.

Water Level Record

ga - market in the state of the					
Date	Water Level Feet (above) Feet (below) Land Surface	itemarks	Date	Water Level Feet (above) (below) Land Surface	Kemarks
25-61	14.35	458			
25-61	49.70	458			
23-61	100.10	mrk			
7-61	48.00	ROI WSB			net a samulus mett termed to betærenne på e deberakligsdirker skriveriske.
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