

1/4 mile SR well

NC

UMAT
472

RECEIVED

WATER WELL REPORT JAN 19 1967

NOTICE TO WATER WELL CONTRACTOR

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

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

STATE OF OREGON ENGINEER

(Please type or print)

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

State Permit No.

(1) OWNER:

Name Oliver Abney

Address Lind, Washington

(2) LOCATION OF WELL:

County Umatilla Driller's well number

1/4 NE 1/4 Section 7 T. 2N R. 28E W.M.

Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well Deepening Reconditioning Abandon
At abandonment, describe material and procedure in Item 12.

(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 120 ft. Gage 330

(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.

(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 seal—Material used in seal puddle clay

Depth of seal 120 ft. Was a packer used? NO

Diameter of well bore to bottom of seal 18 in.

Were any loose strata cemented off? Yes No Depth

Was a drive shoe used? Yes No

Was well gravel packed? Yes No Size of gravel:

Gravel placed from ft. to ft.

Did any strata contain unusable water? Yes No

Type of water? depth of strata

Method of scaling strata off

(10) WATER LEVELS:

Static level 90 ft. below land surface Date

Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

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

Yield: gal./min. with ft. drawdown after hrs.

Ballor 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 below casing 16"

Depth drilled 158ft. Depth of completed well 155ft.

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
Soil Sandy	0	27
Gravel Sandy	27	51
Clay Brown	51	80
Clay Blue	80	96
Clay White	96	101
Clay Red	101	107
Clay Blue	107	119
Green Sand Boulders (hard)	119	132
Gray Sand Boulders (hard)	132	155

SEE DEEPENING 7-22-67

RECEIVED BY OWRD

MAY 28 2014

SALEM, OR

Work started Feb. 28 1966 Completed May 6 1966

Date well drilling machine moved off of well May 7 1966

(13) PUMP:

Manufacturer's Name

Type: H.P.

Water Well Contractor's Certification:

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

NAME Ben Dreyer, Drilling Contractor
(Person, firm or corporation) (Type or print)

Address Rt. 1, Box 225 Hermiston, Oregon

Drilling Machine Operator's License No. 7

[Signed] Ben Dreyer
(Water Well Contractor)

Contractor's License No. 12 Date May 8, 1966

See letter to file

RECEIVED
OBSERVATION WELL
UMAT
474

NOTICE TO WATER WELL CONTRACTOR
 The original and first copy
 of this report are to be
 filed with the
 STATE ENGINEER, SALEM, OREGON 97310
 within 30 days from the date
 of well completion.

STATE ENGINEER
WATER WELL REPORT
SALEM OREGON
 STATE OF OREGON
 (Please type or print)

State Well No. 2N/28-7
 State Permit No. _____

(1) OWNER: Larry Hanson
 Name Oliver Abney
 Address _____
Lind, Washington

(2) LOCATION OF WELL:
 County umatilla Driller's well number _____
NE 1/4 Section 7 T2N R28E W.M.
 Bearing and distance from section or subdivision corner _____

(3) TYPE OF WORK (check):
 Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(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
 _____" Diam. from _____ ft. to _____ ft. Gage _____
 _____" 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.

(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 seal—Material used in seal _____
 Depth of seal _____ ft. Was a packer used? _____
 Diameter of well bore to bottom of seal _____ in.
 Were any loose strata cemented off? Yes No Depth _____
 Was a drive shoe used? Yes No
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.
 Did any strata contain unusable water? Yes No
 Type of water? _____ depth of strata _____
 Method of sealing strata off _____

(10) WATER LEVELS:
 Static level 90 ft. below land surface Date 1-3-66
 Artesian pressure _____ lbs. per square inch Date _____

(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: 800 gal./min. with 15 ft. drawdown after 3 hrs.
 " " " " " "
 " " " " " "
 Bailor 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 below casing 8"
 Depth drilled 702 ft. Depth of completed well 702 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
Rock Gray hard	400	439
Loose Boulder	439	442
Rock Black hard	442	512
Rock Gray hard	512	578
Rock Black medium	578	594
Rock Gray hard	594	600
Rock Gray medium	600	625
Rock Black soft water	625	697
Rock Black Medium	697	702

RECEIVED BY OWRD
 MAY 28 2014
 SALEM, OR

Work started Nov. 15 1965 Completed Jan. 2 1966
 Date well drilling machine moved off of well Jan. 3 1966

(13) PUMP:
 Manufacturer's Name _____
 Type: _____ H.P. _____

Water Well Contractor's Certification:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 NAME Ben Dreyer Drilling Contractor
 (Person, firm or corporation) (Type or print)
 Address Rt. 1 Box 225 Hermiston, Oregon
 Drilling Machine Operator's License No. 7
 [Signed] Ben Dreyer
 (Water Well Contractor)
 Contractor's License No. 12 Date Jan 22, 1966

UMAT 473

MC

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED WATER WELL REPORT SEP 3 1968 STATE OF OREGON STATE ENGINEER

State Well No. 2N/28-7aad(2) State Permit No. 4581

(1) OWNER: SALEM, OREGON
Name Oliver Abney
Address (Formerly of Lind, Washington) 815 Madrona, Hermiston, Oregon 97838

(2) LOCATION OF WELL:
County Umatilla Driller's well number
1/4 NE 1/4 Section 7 T. 2N R. 28E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
Well [] Deepening [x] Reconditioning [] Abandon []
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check): (5) TYPE OF WELL:
Domestic [] Industrial [] Municipal [] Rotary [] Driven []
Irrigation [x] Test Well [] Other [] Cable [x] Jetted []
Dug [] Bored []

(6) CASING INSTALLED: Threaded [] Welded [x]
16" Diam. from 0 ft. to 120 ft. Gage 330
"Diam. from ft. to ft. Gage
"Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? [] Yes [x] 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 [x] 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 seal—Material used in seal puddle clay
Depth of seal ft. Was a packer used? NO
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? [] Yes [x] No Depth
Was a drive shoe used? [x] Yes [] No
Was well gravel packed? [] Yes [x] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? [] Yes [x] No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 155 ft. below land surface Date 7/23/68
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [] No If yes, by whom?
Yield: 2690 gal./min. with 95 ft. drawdown after 3 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 74° Was a chemical analysis made? [] Yes [x] No

(12) WELL LOG: Diameter of well below casing 16"
Depth drilled 540 ft. Depth of completed well 690 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.

Table with columns: MATERIAL, FROM, TO. Includes entries like Deepening, White Basalt, Clay, Red Sand & Clay, Red Rock, etc. Includes date MAY 28 2014 and SALEM, OR.

Work started 1/23/67 19 Completed 7/25/68 19
Date well drilling machine moved off of well 7/25/68 19

(13) PUMP: No pump yet
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Oliver Abney (Person, firm or corporation) (Type or print)
Address 815 Madrona, Hermiston, Oregon 97838

Drilling Machine Operator's License No.
[Signed] Oliver Abney (Water Well Contractor)

Contractor's License No. Date Aug 30, 1968

8-15-68

Oliver Honey Test

RECEIVED
SEP 8 1968
STATE ENGINEER
SALEM OREGON

Umatilla

RECEIVED BY OWRD

MAY 28 2014

SALEM, OR

340

320

300

280

260

240

220

Fect to Water

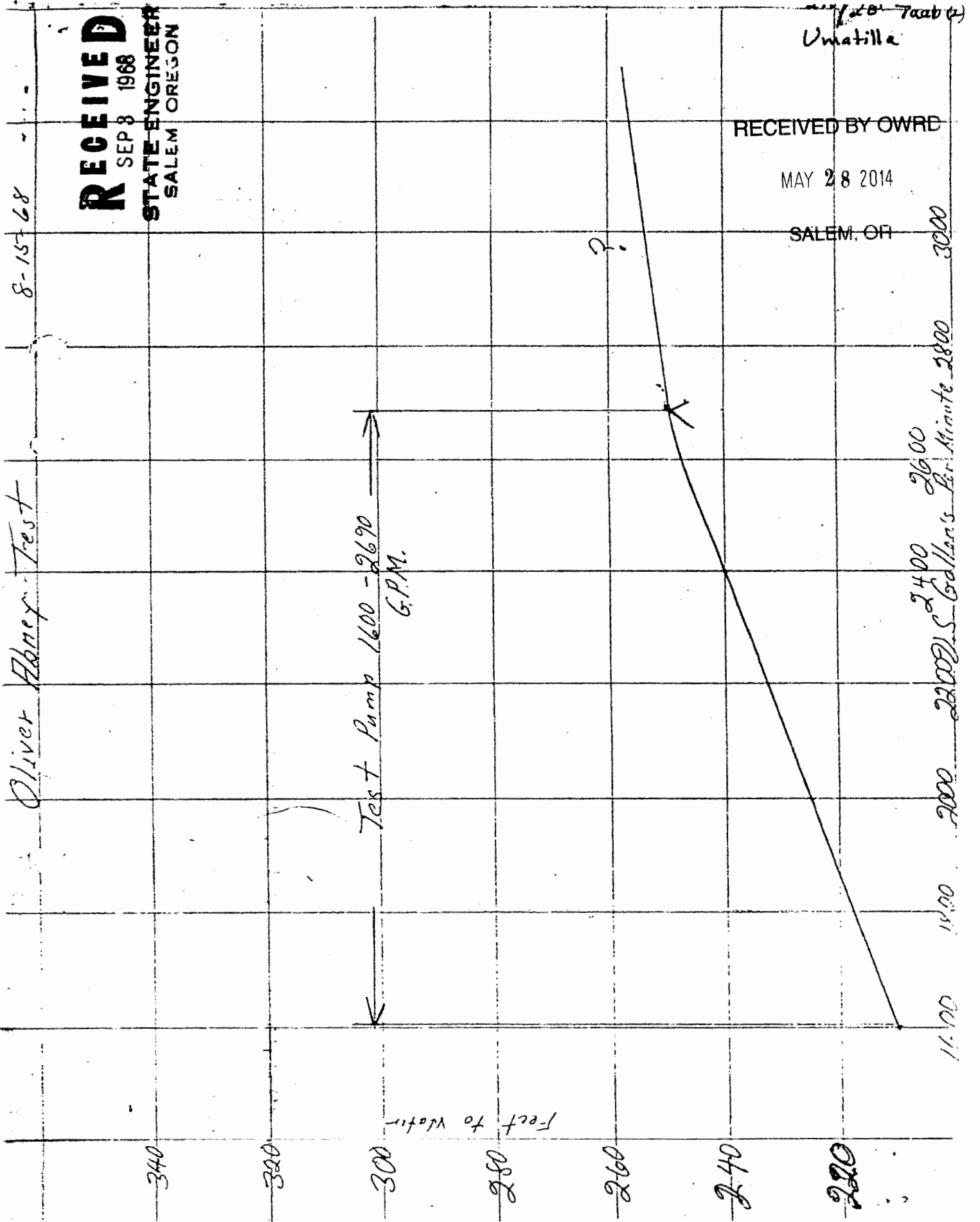
Test Pump 1600 - 2690
G.P.M.



?

X

11:00 15:00 20:00 22:00 24:00 26:00 30:00
Gallons Per Minute



Ammon well # 2

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

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

WATER WELL REPORT

RECEIVED STATE OF OREGON
(Please type or print)

APR 18 1978

UMAT
441

State Well No. 2N/27E-2cb
State Permit No.

(1) OWNER:

Name AMMON BROS. FARMS INC.
Address Box 52
JEFFERSON

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

14" Diam. from 0 ft. to 202 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

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.

(7) 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.

(8) WELL TESTS:

Drawdown is amount water level is
lowered below static level.

Was a pump test made? Yes No If yes, by whom? FAYMORE PUMP
Yield: gal./min. with ft. drawdown after 4 hrs.
1600 GPM " " "

Boiler test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used NEAT CEMENT
Well sealed from land surface to 202 ft.
Diameter of well bore to bottom of seal 18 in.
Diameter of well bore below seal 14 in.
Number of sacks of cement used in well seal 120 sacks
How was cement grout placed?

Was a drive shoe used? Yes No Plugs Size location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County UMAT 166A Driller's well number 05-78
NW 1/4 SW 1/4 Section 2 T. 2N. R. 27 E. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 351 ft.
Static level 349 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8" BELOW

Depth drilled 1205 ft. Depth of completed well 1205 ft.

Formation: Describe color, texture, grain size and structure of materials;
and show thickness and nature of each stratum and aquifer penetrated,
with at least one entry for each change of formation. Report each change in
position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soil	0	6	
COBBLES	6	20	
BROKEN GREY BASALT	20	181	
HARD GREY	181	288	
MED. "	288	320	
SOFT RED	320	356	water
MED. GREY	356	500	
SOFT "	500	520	
BROKEN "	520	575	
HARD "	575	780	
SOFT "	780	812	water
MED HARD "	812	1149	
BROKEN RED	1149	1161	water
BROKEN GREY	1161	1192	
HARD GREY	1192	1205	

Work started 3-2-1978 Completed 3-27-1978
Date well drilling machine moved off of well 3-27-1978

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.
[Signed] W. Wallace Date 4-15-1978
(Drilling Machine Operator)
Drilling Machine Operator's License No. 886

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.
Name WALLACE WELL DRILLING CO.
(Firm, firm or corporation) (Type or print)
Address TENDLETON, OR.
[Signed] Wallace
(Water Well Contractor)
Contractor's License No. 583 Date 4-15-1978

179

RECEIVED

UMAT 442

NOTICE TO WATER WELL CONTRACTOR
 The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

STATE ENGINEER STATE OF OREGON
 (Please type or print)

State Well No. SA/27-274
 State Permit No. _____

(1) OWNER:
 Name Claudia Ammon
 Address Echo, Oregon

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No. If yes, by whom?
 Yield: gal./min. with ft. drawdown after hrs.
 " " " " "
 " " " " "
 " " " " "
 Bailor test gal./min. with ft. drawdown after hrs.
 Artesian flow g.p.m. Date
 Temperature of water Was a chemical analysis made? Yes No

(2) LOCATION OF WELL:
 County Umatilla Driller's well number _____
 1/4 Section T. R. W.M.
 Bearing and distance from section or subdivision corner

(12) WELL LOG: Diameter of well below casing _____
 Depth drilled ft. Depth of completed well 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.

(3) TYPE OF WORK (check):
 New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item IX.

MATERIAL	FROM	TO
Roublers	840	855
Rock black hard	855	871
Boulders blue hard 100B	871	886

(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
 " Diam. from _____ ft. to _____ ft. Gage _____
 " 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 _____
 _____ perforations from _____ ft. to _____
 _____ perforations from _____ ft. to _____
 _____ perforations from _____ ft. to _____

(8) 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.

(9) CONSTRUCTION:
 Well seal—Material used in seal _____
 Depth of seal _____ ft. Was a packer used? _____
 Diameter of well bore to bottom of seal _____ in.
 Were any loose strata cemented off? Yes No Depth _____
 Was a drive shoe used? Yes No
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(10) WATER LEVELS:
 Static level FLOWING ft. below land surface Date 1-26-61
 Artesian pressure _____ lbs. per square inch Date _____

MATERIAL	From	To	SWL
DECOMPOSED BASALT	660	674	62
HARD BASALT	674	681	62
DECOMPOSED BASALT	681	683	62
HARD BASALT	683	705	62
DECOMPOSED BASALT	705	725	62

Work started 1-25-62 Completed 2-25-62
 Date well drilling machine moved off of well 2-27-62

(13) PUMP:
 Manufacturer's Name _____
 Type: _____ H.P. _____

Water Well Contractor's Certification:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 NAME Behl Dreyer Drilling Contractor
 (Person, firm or corporation) (Type or print)
 Address Rt. 1 Box 225 Hermiston, Oregon
 Drilling Machine Operator's License No. 7
 [Signed] Behl Dreyer
 (Water Well Contractor)
 Contractor's License No. 12 Date 5-20-63, 19____

UMAT 55669
RECEIVED

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

FEB 08 2006

WELL I.D. # L 82258
START CARD # 173606

WATER RESOURCES DEPT
SALEM, OREGON

Instructions for completing this report are on the back of this form.

(1) LAND OWNER Name Hole Farms Well Number _____
Address P.O. Box 110
City Hermiston State OR Zip 97838

(2) TYPE OF WORK New Well
 Deepening Alteration (repair/recondition) Abandonment Conversion

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Other _____

(4) PROPOSED USE
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other _____

(5) BORE HOLE CONSTRUCTION Special Construction: Yes No
Depth of Completed Well 1205 ft
Explosives used Yes No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
<u>Existing</u>			<u>See Umat 441</u>			

How was seal placed Method A B C D E
 Other _____
Backfill placed from _____ ft to _____ ft Material _____
Gravel placed from _____ ft to _____ ft Size of gravel _____

Casing	Diameter	From	To	Gauge	Steel				Plastic				Welded				Threaded			
					□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
<u>Existing</u>																				

Drive Shoe used Inside Outside None
Final location of shoes _____

(7) PERFORATIONS/SCREENS
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian

Yield gal min	Drawdown	Drill stem at	Time
<u>800</u>		<u>740</u>	<u>1 HR</u>

Temperature of water 65° Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata _____

(9) LOCATION OF WELL (legal description)
County Umatilla
Tax Lot 700 Lot _____
Township 2N N or S Range 27E E or W WM
Section 02 NW 1/4 SW 1/4

Lat _____ or _____ (degrees or decimal)
Long _____ or _____ (degrees or decimal)

Street Address of Well (or nearest address) 73426 Hwy 207
Echo OR 97826

(10) STATIC WATER LEVEL
513 ft. below land surface. Date 1-21-06
543 ft. below land surface. Date 2-2-06
Artesian pressure _____ lb per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
<u>N/A</u>		<u>Existing</u>	

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
<u>Original well log indicates 14" hole to 500' and 8" hole to 1205'</u>			
<u>Planned on rearing 9" hole to 12" down to 750'</u>			
<u>Found 9" hole @ 740'</u>			
<u>Dip not change anything in the hole</u>			

Date Started 1-30-06 Completed 2-2-06

(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
Signed _____

(bonded) Water Well Constructor Certification
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 supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 544 Date 2-2-06
Signed Jerry Bunn

RECEIVED BY OWRD
MAY 28 2014
SALEM, OR

UMAT 55736
UMAT 55736

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 517.765 & OAR 690-205-0210)

WELL LABEL # L 99396
START CARD # 186481

(1) LAND OWNER Owner Well I.D. UMAT 441
First Name _____ Last Name _____
Company Hale Farms
Address 115 W. Hermiston Ave
City Hermiston State OR Zip 97838

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (repair/recondition) Abandonment

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/Commercial Livestock Dewatering
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)

Depth of Completed Well 1,146.5 ft.

BORE HOLE			SEAL			sacks/ lbs
Dia	From	To	Material	From	To	

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft to _____ ft. Material _____
Filter pack from _____ ft to _____ ft. Material _____ Size _____
Explosives used: Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Sti	Plstc	Wld	Thrd
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Shoe Inside Outside Other _____ Location of shoe(s) _____
Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type _____ Material _____

Part	Casing	Screen	Perf Dia	From	To	Scr/slot width	Slot length	# of slots	T-e/l plus

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailer Air Flowing Artesian
Yield (gpm) _____ Drawdown _____ Drill stem/Pump depth _____ Duration (hr) _____

Temperature _____ °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below)
From _____ To _____ Description _____ Amount _____ Units _____

(9) LOCATION OF WELL (legal description)
County UMATILLA Twp 2 N N/S Range 27 E E/W WM
Sec 2 NW 1/4 of the SW 1/4 Tax Lot 700
Tax Map Number _____ Lot _____
Lat _____ or 45.68194 N DMS or DD
Long _____ or -119.39360 W DMS or DD
 Street address of well Nearest address
West of HWY 207 and N of Eagle Ranch Rd, Echo, OR

(10) STATIC WATER LEVEL

Existing Well / Predeepening	Date	SWL (ps)	+	SWL (ft)
	<u>04-18-2006</u>			<u>514</u>
Completed Well	<u>04-25-2006</u>			<u>463.5</u>

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first from _____

SWL Date	From	To	Est Flow	SWL (psl)	+	SWL (ft)

(11) WELL LOG Ground Elevation _____

Material	From	To
See UMAT 441 for well construction details.		
Backfill bottom of well - 8" open hole		
Cement - 2 sacks	1,146.5	1,152.5
Bentonite Pellets - 11 buckets (50 lbs)	1,152.5	1,173.8
Pea Gravel - 10 sacks	1,173.8	1,180
Bentonite Chips - 22 sacks	1,180	1,184

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SALEM, OR

RECEIVED
MAY 24 2006
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 04-18-2006 Completed 04-26-2006

(unbonded) Water Well Constructor Certification
I certify that the work 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.
License Number 1702 Date 5-22-06
Password: (if filing electronically) _____
Signed _____

(bonded) Water Well Constructor Certification
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 supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1523 Date 5-17-06
Password: (if filing electronically) _____
Signed _____
Contact Info _____

UMAT 55692

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D. # L 82258
 START CARD # 123790

Instructions for completing this report are on the last page of this form.

(1) **LAND OWNER** Well Number _____
 Name Hale Farms
 Address P.O. Box 110
 City Hermon State OR Zip 97838

(2) **TYPE OF WORK**
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) **DRILL METHOD:**
 Rotary Air Rotary Mud Cable Auger
 Other _____

(4) **PROPOSED USE:**
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other _____

(5) **BORE HOLE CONSTRUCTION:**
 Special Construction approval Yes No Depth of Completed Well 1165'
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds
Diameter	From To	Material	From To	
<u>14"</u>				

How was seal placed: Method A B C E
 Other _____

Backfill placed from _____ ft to _____ ft Material _____
 Gravel placed from _____ ft to _____ ft Size of gravel _____

(6) **CASING/LINER:**

Casing/Liner	Diameter	From To	Gauge	Material			
				Steel	Plastic	Welded	Threaded
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
 Final location of shoe(s) _____

(7) **PERFORATIONS/SCREENS:**

From To	Slot size	Number	Diameter	Tele/pipe size	Material	
					Casing	Liner
					<input type="checkbox"/>	<input type="checkbox"/>

(8) **WELL TESTS:** Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
 Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
NONE WAS PERFORMED

Temperature of water _____ Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata _____

(9) **LOCATION OF WELL by legal description:**
 County umatilla Latitude _____ Longitude _____
 Township 2 Or S Range 27 Or W. WM
 Section 2 NW 1/4 SW 1/4
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) off Road 22

(10) **STATIC WATER LEVEL:**
428 ft. below land surface. Date 2-27-06
 Artesian pressure _____ lb. per square inch Date _____

(11) **WATER BEARING ZONES:**

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) **WELL LOG:**

Ground Elevation _____

Material	From	To	SWL
<u>clean out well</u>	<u>from 1137'</u>	<u>to 1170'</u>	
<u>Run Dump Bailer in</u>	<u>Hale Tipped Bailer</u>		
<u>Set cement @</u>	<u>1165-1170</u>		

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MAY 28 2014

MAR 13 2006

WATER RESOURCES DEPT
 SALEM, OREGON

SALEM, OR

Date started 2-24-06 Completed 2-27-2006

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, 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.

Signed Jody Hay WWC Number 1669
 Date 2-27-2006

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, 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 supply well construction standards. This report is true to the best of my knowledge and belief.

Signed Jody Hay WWC Number 1669
 Date 2-27-2006

Ammon well # 1

STATE ENGINEER
Salem, Oregon

UMAT
440

OBSERVATION WELL
Well Record

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

OWNER: Ammon Bros.

MAILING
ADDRESS:

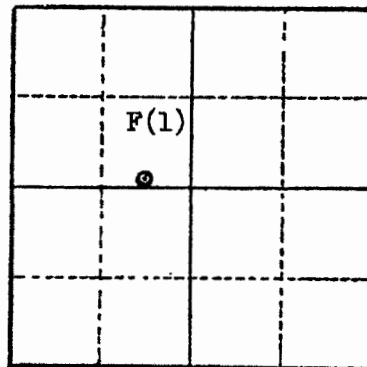
LOCATION OF WELL: Owner's No.

CITY AND
STATE:

Echo, Oregon

SE 1/4 NW 1/4 Sec. 1 T. 2 N. 27 E. W.M.

Bearing and distance from section or subdivision
corner N.47°34'W. 3942.2' from SE cor. of sec. 1



Section 1

Altitude at well 760'+

TYPE OF WELL: Drilled Date Constructed 1952

Depth drilled 554' Depth cased 140'

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CASING RECORD:

- 15 inch set from 0 to 140 feet
- 15 inch open hole from 140 to 240 feet
- 12 inch from 240 to 554 feet

MAY 28 2014

SALEM, OR

FINISH:

Open hole

AQUIFERS:

Basalt

WATER LEVEL:

327 feet

PUMPING EQUIPMENT:

Type Turbine H.P. 150
Capacity 1000 G.P.M.

WELL TESTS:

Drawdown 20 ft. after _____ hours 1000 G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Irrigation

Temp. _____ °F. _____, 19

SOURCE OF INFORMATION U-682

DRILLER or DIGGER Ben Dreyer

ADDITIONAL DATA:

Log Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

NOTICE TO WATER WELL CONTRACTOR
 The original and first copy
 of this report are to be
 filed with the
 STATE ENGINEER, SALEM 10, OREGON
 within 30 days from the date
 of well completion.

STATE OF OREGON
 WATER WELL REPORT

UMAT 439

State Well No. 2N/27-1F
 State Permit No. _____

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 SEP 9 1963

(1) OWNER:

Name Claudia H. STATE ENGINEER
 Address Echo One SALEM, OREGON

(2) LOCATION OF WELL:

County Umatilla Driller's well number _____
 1/4 Section T. R. W.M.
 Bearing and distance from section or subdivision corner
Well No 2

(3) TYPE OF WORK (check):

Well Deepening Reconditioning Abandon
 abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal Rotary Driven
 Irrigation Test Well Other Cable Jetted
 Dug Bored

(5) TYPE OF WELL:

(6) CASING INSTALLED: Threaded Welded
8 1/2" Diam. from 880 ft to 890 ft Gage
 " 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.

(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 seal—Material used in seal Checked seals
 Depth of seal _____ ft. Was a packer used? _____
 Diameter of well bore to bottom of seal _____ in.
 Were any loose strata cemented off? Yes No Depth _____
 Was a drive shoe used? Yes No
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(10) WATER LEVELS:

Static level 0 ft. below land surface Date _____
 Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? _____
 Yield: gal./min. with ft. drawdown after hrs.
 " " " " " "
 " " " " " "
 Baller 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 below casing _____
 Depth drilled _____ ft. Depth of completed well _____ 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
Encountered steel object at 880' was unable to drill by it or fish it out. It had a top diameter of 6 1/4"		
Well was checked for loss of Artesian water though existing seals there being no losses		

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MAY 28 2014

SALEM, OR

Work started 19 _____ Completed 19 _____
 Date well drilling machine moved off of well 19 _____

(13) PUMP:

Manufacturer's Name _____
 Type: _____ H.P. _____

Water Well Contractor's Certification:

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

NAME Kagan Hellberg (Type or print)
 Address P.O. Box 40 Lawden Wash

Drilling Machine Operator's License No. _____
 [Signed] Klyff K. Kagan (Water Well Contractor)

Contractor's License No. 3770 Date Sept 19 1963

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STATE ENGINEER
Salem, Oregon

MAY 28 2014

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

County Umatilla

SALEM, OR

Application No. U-750

Water Level Record

OWNER: Ammon's OWNER'S NO. #1

Description of measuring point: Lip of port pipe on north side of well - MP-1.7 feet above L.S.D.

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
5-25-61	63.92	WSB (STATIC)			
8-23-61	282.0	WSB - Pumping			
11-7-61	24.31	RD&WSB (STATIC)			

REMARKS: _____

MAY 28 2014

SALEM, OR

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

Notes from Claussie Ammon

1960

February 1 Static water level 334'

1961

January 1 Drilling on well
 February 1 Drilling on well
 March 16 Static water level 7'
 April 9 Well started flowing pressure at pump 3 lbs.

1962

February 6 Started flowing about 50 gallons per minute
 April 25 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 was 298'

June 21 Before starting either pumps, No. 1 stood at 132'.

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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.



State Engineer

4727 - 1 F(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

RECEIVED
FEB 27 1961
STATE ENGINEER
SALEM, OREGON

RECEIVED BY OWRD February 24, 1961

Mr. Claussie Ammon

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 helped 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.

RECEIVED BY OWRD

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 zone 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 Engineer ✓

RECEIVED BY OWRD

MAY 28 2014

SALEM, OR

GROUND WATER BRANCH
Box 3087
Portland 8, Oregon

RECEIVED
APR 17 1963
STATE ENGINEER
SALEM, OREGON

April 4, 1963

Mr. Claussie Ammon
Butter Creek Road
Echo, Oregon

Dear Claussie:

Enclosed 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 anything 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 water speeds up or slows 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 opportunity to collect similar data in your western well.

Sincerely yours,

R. C. Newcomb
Research Geologist

Enclosure

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

RCN/nj

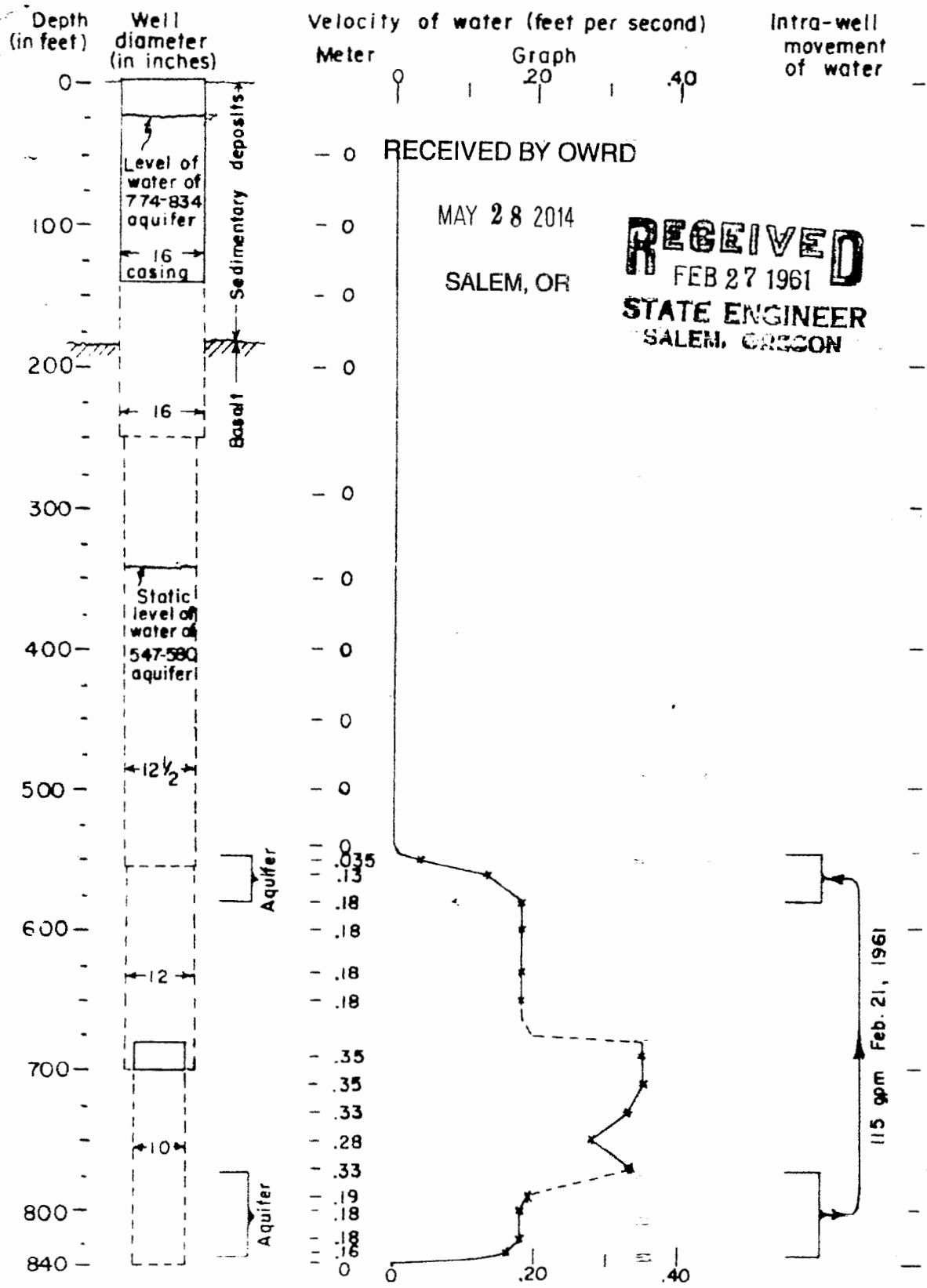
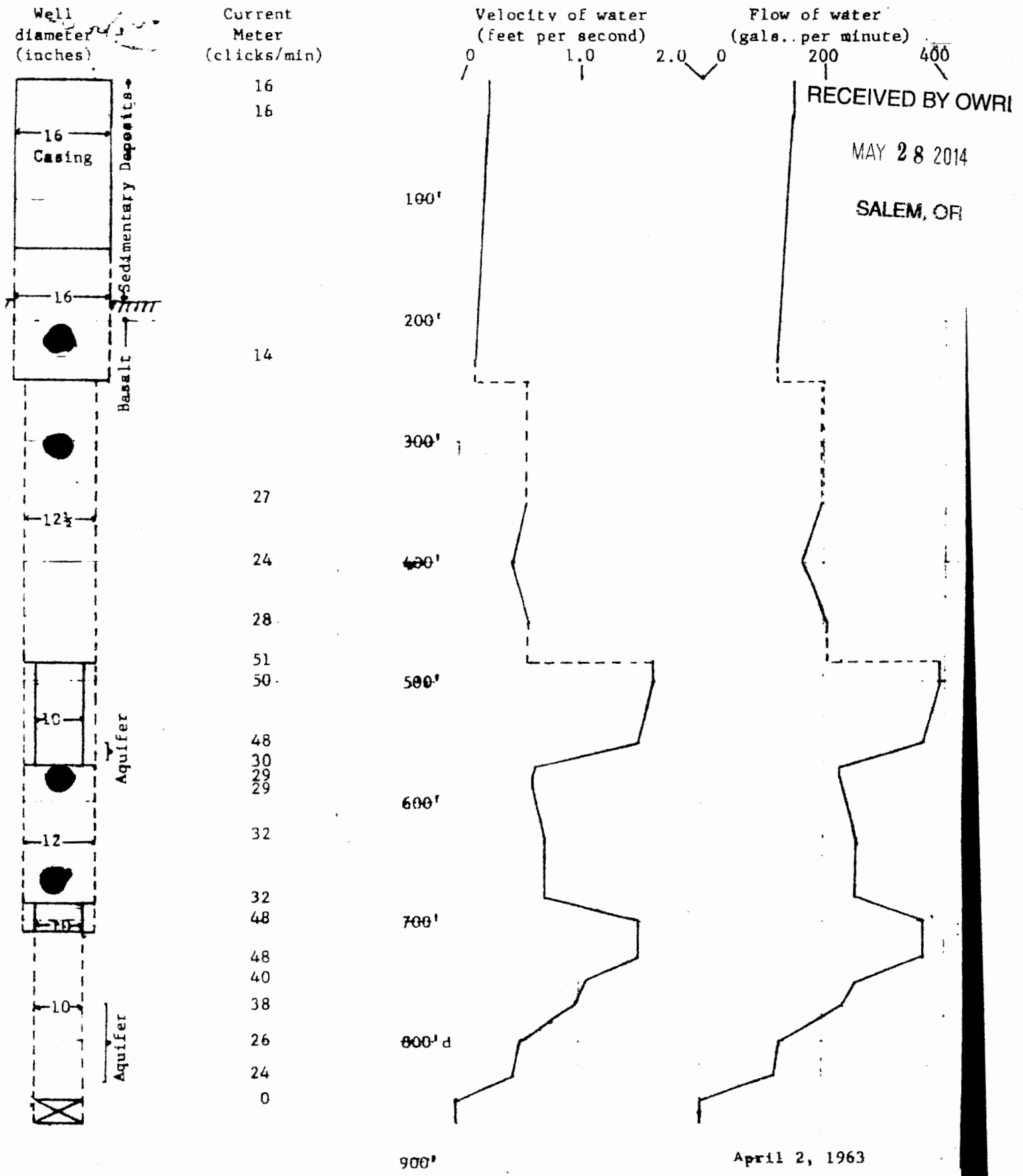


Figure - Movement of water between basalt aquifers in the C. Ammon well no. 1 (2/27-1961) near Echo, Oreg.

MOVEMENT OF WATER IN THE C. AMMON WELL, NO. 2N/27-1F1 NEAR ECHO, OREGON



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MAY 28 2014
SALEM, OR

April 2, 1963

MAY 28 2014

UMAT 439

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OR, OREGON within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON

SALEM, OR

State Well No. 24/27-1F
State Permit No.

RECEIVED
SEP 9 1963

(1) OWNER:

Name: Clausie H. STATE ENGINEER
Address: Echo One SALEM, OR, OREGON

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
As a pump test made? [] Yes [] No If yes, by whom?

Table with columns: Yield (gal./min. with), ft. drawdown after, hrs.
Rows: Bailer test, Artesian flow, Temperature of water, Was a chemical analysis made?

(2) LOCATION OF WELL:

County: Umatilla Driller's well number:
Bearing and distance from section or subdivision corner: Well No. 2

(12) WELL LOG:
Diameter of well below casing:
Depth drilled: ft. Depth of completed well: ft.

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

Table with columns: MATERIAL, FROM, TO
Handwritten entry: Encountered steel object at 880' was unable to drill by it or fish it out. It had a top diameter of 6 1/4". Well was checked for loss of Artesian water though existing seals there being no losses.

(3) TYPE OF WORK (check):

Well [] Deepening [x] Reconditioning [x] Abandon []
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal []
Irrigation [x] Test Well [] Other []

(5) TYPE OF WELL:

Rotary [] Driven []
Cable [x] Jetted []
Dug [] Bored []

(6) CASING INSTALLED:

Threaded [] Welded []
Diam. from 8 1/2 ft. to 8 9/16 ft. Gage
Diam. from ft. to ft. Gage
Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? [] Yes [x] 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 [x] 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 seal—Material used in seal: Checked seals
Depth of seal ft. Was a packer used?
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? [] Yes [] No Depth
Was a drive shoe used? [] Yes [] No
Was well gravel packed? [] Yes [] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? [] Yes [x] No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 0 ft. below land surface Date
Artesian pressure lbs. per square inch Date

Work started 19 Completed 19
Date well drilling machine moved off of well 19

(13) PUMP:

Manufacturer's Name:
Type: H.P.

Water Well Contractor's Certification:

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

NAME: Logan Hellberg (Type or print)
Address: P.O. Box 40 Bowden Wash
Drilling Machine Operator's License No.
[Signed] (Water Well Contractor)
Contractor's License No. 3770 Date Sept 1963

HANSON
Well #1

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OCT 26 1959

OBSERVATION WELL

UMAT
450

666
2N/27-12D(1)

File Original and
First Copy with the
STATE ENGINEER
SALEM, OREGON

STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No.

State Permit No. G-1227

(1) OWNER:

Name: Clarence Hanson & MAYNARD FAABY
Address: Rt. 1 Box 71
Echo Oregon.

(2) LOCATION OF WELL:

County: Umatilla Owner's number, if any: 2
NW 1/4 NW 1/4 Section 12 T. 2N R. 7E W.M.
Bearing and distance from section or subdivision corner
107' South 210' East from
THE NW CORNER of SEC 12

(3) 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:

12" Diam. from 0 ft. to 178 ft. Casing std.
10" Diam. from 642 ft. to 748 ft. Casing std.

(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
Type Model No.
Diam. Slot size Set from ft. to ft.
In. Slot size Set from ft. to ft.

(9) 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? 178 ft.
Material used in seal— cement
Did any strata contain unusable water? Yes No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 63 ft. below land surface Date 9/17/59
Artesian pressure lbs. per square inch

Log Accepted by: Clarence Hanson
[Signed] Date Oct 2, 1959
(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? Yager
Yield: 889 gal./min. with 72 ft. drawdown after 4 hrs.
" 889 " " 72 " " 4 " "
" " " " " " " " "
" " " " " " " " "
Ballot 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 12x10 inches.
Depth drilled 959 ft. Depth of completed well 959 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
Log Attached		
RECEIVED BY OWRD		
MAY 28 2014		
SALEM, OR		

Work started 3/24 1959 Completed 9/17 1959

(13) PUMP:

Manufacturer's Name
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 Yager Drilling Co. (Person, firm, or corporation) (Type or print)

Address Rt. 3 Box 347-D Walla Walla Wn

Driller's well number 59-13

[Signed] Harold Yager (Well Driller)

License No. 155 Date 10/1/59, 19

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OCT 26 1959

2N/27-110(1)
666

STATE ENGINEER
SALEM, OREGON

Clarence L. Hanson
Well Log Well No. 2

Static Water Level

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MAY 28 2014

SALEM, OR

Formation	Soil	From	To
Gravel	Cemented	0	13
"	& black shale	13	56
Rock	"	56	60
Black shale	"	60	91
Shale	gray sticky	91	116
"	black hard	116	140
Basalt	"	140	159
"	gray hard	159	187
"	shale	187	219
"	black med.	219	226
"	gray hard	226	239
"	& clay brown soft	239	271
"	red	271	277
"	black med.	277	288
"	gray hard	288	309
"	black med.	309	414
"	gray hard	414	422
"	black med.	422	427
"	gray hard	427	452
"	" med.	452	461
"	black	461	464
"	gray hard	464	477
"	black med.	477	487
"	" hard	487	495
"	brown soft	495	505
"	" hard	505	525
"	black	525	529
"	gray	529	537
"	black med.	537	549
"	" hard	549	558
"	gray	558	570
"	black Med.	570	596
"	gray hard	596	610
"	black soft	610	675
"	" hard	675	684
"	" med.	684	693
Shale	"	693	701
"	green	701	704
"	black	704	713
Basalt	"	713	721
Shale	green	721	725
" & rock	"	725	730
Basalt	black hard	730	771
"	" med.	771	780
"	" hard	780	783
"	" soft	783	871
"	" hard	871	873
"	" hard	873	882
"	"	882	904
"	med.	904	914
"	hard	914	959

~~XXXXXXXXXXXX~~

Water bearing SWL 24' 6/5/59

" 22' 6/9/59

Crevice @ 674' " 37' 7/7/59

Cemented 30 sks.

" 52' 7/27/59

10" hole from 748' " 64' 8/9/59

" 69' 8/16/59

Claude Ammon shut off his big pump
8/18 SWL raised to 50ft. He started
the pump again 8/19 SWL dropped
to 66 ft.

Crevice @ 882'

caving

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

STATE ENGINEER
Salem, Oregon

MAY 28 2014

State Well No. 2N/27-120⁶⁶⁶(1)
County UMATILLA
Application No. _____

SALEM, OR

Water Level Record

OWNER: CLARENCE L. HANSON & M.F. AABY OWNER'S NO. _____

Description of measuring point: LIP OF WELL PORT PIPE ON N. SIDE WELL 2.0' ABOVE L.S.D.

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
1-25-61	14.35	WSB			
5-25-61	49.70	WSB			
8-23-61	100.10	WSB			
11-7-61	48.00	RP+WSB			

REMARKS: _____

