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129 HARRY

22/31-33N

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

STATE ENGINEER WATER WELL REPORT STATE OF OREGON SALEM, OREGON

State Well No. State Permit No.

(1) OWNER:

Name HARRY PON Address BURNS OREGON

(2) LOCATION OF WELL:

County HARNEY Owner's number, if any #14 SE 1/4 SW 1/4 Section 33 T. 22S. R. 31E W.M. Bearing and distance from section or subdivision corner about 600' north-easterly from Highway 20

(3) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ] If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

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

(6) CASING INSTALLED:

12" Diam. from -1 ft. to 80 ft. Gage 1/4"

(7) PERFORATIONS:

Perforated? [ ] Yes [X] No Type of perforator used SIZE of perforations in. by in. perforations from ft. to ft.

(8) SCREENS:

Well screen installed [ ] Yes [X] No Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Was well gravel packed? [ ] Yes [X] No Size of gravel: Gravel placed from ft. to ft. Was a surface seal provided? [ ] Yes [X] No To what depth? ft. Material used in seal- 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 ft. below land surface Date March 16 1961 Artesian pressure lbs. per square inch Date Log Accepted by: [Signed] Date 3-1-61

(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? Holloway Yield: 900 gal./min. with 44 ft drawdown after 4 hrs.

(12) WELL LOG:

Diameter of well 12 inches. Depth drilled 390 ft. Depth of completed well 390 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. Entries include Top soil, Sand water, Clay, Coarse sand water, Hard rock, Brown clay, Blue shale, Strip gravel, Yellow clay, Strip gravel, White clay, Strip white pumice, Brown clay, Grey sand rock, Red cinders water.

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Work started Feb 17 1961 Completed March 1 1961

(13) PUMP:

No Pump yet. 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 Holloway Drilling Co (Person, firm or corporation) Address ONTARIO Ore. Driller's well number # 5 Irrigation [Signed] Max Holloway (Well Driller) License No. 16 Date 3-80, 1961



STATE ENGINEER  
Salem, Oregon

*Harney*  
*130*

OBSERVATION WELL

Well Record

*see RECORD*

STATE WELL NO. *22/31-34N(1)*  
COUNTY *Harney*  
APPLICATION NO. \_\_\_\_\_

BURT SCHRODER

OWNER: *L. F. LARSEN*

MAILING  
ADDRESS:  
CITY AND  
STATE:

LOCATION OF WELL: Owner's No. \_\_\_\_\_

*SW* 1/4 *SW* 1/4 Sec. *34* T. *22* S., R. *31* W., W.M.

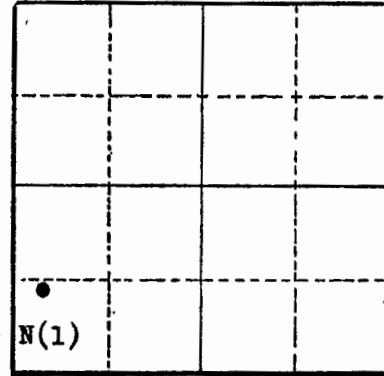
Bearing and distance from section or subdivision

corner \_\_\_\_\_

Altitude at well *4153.17*

TYPE OF WELL: *Drilled* Date Constructed \_\_\_\_\_

Depth drilled *288* Depth cased \_\_\_\_\_



Section *34*

CASING RECORD:

Hole - 18" to 82'

Hole - 8" from 82 to 155' diameter from 155 to 288 not known cased to 68 feet

FINISH:

open hole

AQUIFERS:

WATER LEVEL:

see hydrograph

PUMPING EQUIPMENT: Type \_\_\_\_\_ H.P. \_\_\_\_\_

Capacity \_\_\_\_\_ G.P.M.

WELL TESTS:

Drawdown *50* ft. after \_\_\_\_\_ hours *pumping 400* G.P.M.

Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hours \_\_\_\_\_ G.P.M.

USE OF WATER \_\_\_\_\_ Temp. \_\_\_\_\_ °F. \_\_\_\_\_, 19 \_\_\_\_\_

SOURCE OF INFORMATION \_\_\_\_\_

DRILLER or DIGGER \_\_\_\_\_

ADDITIONAL DATA:

Log *x* Water Level Measurements \_\_\_\_\_ Chemical Analysis \_\_\_\_\_ Aquifer Test \_\_\_\_\_

REMARKS:

Well 5 in W.S.P. 841

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State Printing 88316

STATE ENGINEER  
Salem, Oregon

State Well No. 22/31-34N(1)  
County Harney  
Application No. \_\_\_\_\_

## Well Log

Owner: L. A. Lazaus Owner's No. \_\_\_\_\_

Driller: Boyer & Koenemann Date Drilled 1930

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
* Valley fill			
Soil	0	10	10
Gravel and sand, fine, water bearing SWL 8'	10	25	15
Clay, blue, sticky	25	29	4
Gravel, coarse, and sand	29	47	18
Clay, yellow and sticky, and sand	47	51	4
Gravel, fine, and sand	51	57	6
Clay, brown, hard	57	61½	4½
Sand, fine brown	61½	67	5½
Unclassified			
Clay, blue	67	82	15
Clay, yellow, blue, and brown, some water			
worn gravel	82	143	61
Danforth formation			
Pumice or sandstone, fine, white	143	148	5
Rock, black, basalt	148	175	27
Shale, green	175	205	30
Clay, gravel, and sand in layers two to three feet thick	205	247	42
Gravel, water worn, and sand	247	255	8
Clay, yellow, and sand	255	283	28
Sand, fine, yellow, some pebbles, white glassy	283	288	5
* Stratigraphic designs by A. M. Piper, U.S.G.S.			

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Salem, Oregon

OCT 17 2014

State Well No. 22/31-34N(1)

County Harney

SALEM, OR

Application No. \_\_\_\_\_

L.F. Lokans Water Level Record

OWNER: Frank Whiting (Former owner) OWNER'S NO. \_\_\_\_\_

Description of measuring point: Bored hole in plank cover 7 ft S. of pump and 1 ft. above land surface.

Elev. Land Surface 4153.17

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
8-8-30	8.95	W.S.P. P41	12-4-31	10.10	W.S.P. P41
9-6-30	9.90	do	1-4-32	11.35	do.
10-3-30	10.35	do	2-2-32	10.80	do.
10-18-30	10.45	do	3-3-32	11.40	do.
11-1-30	10.50	do	4-1-32	4.30	do.
12-6-30	10.50	do	5-9-32	1.60	do.
1-3-31	10.55	do	6-6-32	2.35	do.
2-7-31	12.15	do	7-1-32	3.90	do.
3-7-31	12.05	do	8-1-32	5.45	do.
4-4-31	5.05	do	1-20-36	8.97	W.S.P. 817 <del>4144.2</del>
5-9-31	3.90	do	4-21-36	1.47	do. 4151.7
5-19-31	4.65	do	9-3-36	7.55	do. 4145.62
6-9-31	5.15	do	No meas.		
7-6-31	6.10	do	10	12.37	
8-4-31	8.30	do			
9-2-31	9.60	do	8-26-38	8.01	W.S.P. P45 4145.16
10-1-31	10.15	do	12-15-38	5.75	do. 4147.42
11-9-31	10.20	do	3-23-39	3.02	W.S.P. 886 4150.15

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

STATE ENGINEER  
Salem, Oregon

State Well No. 22/31-34N(1)  
County HARNEY  
Application No. \_\_\_\_\_

**L.F. Lezans Water Level Record**

OWNER: Frank Whiting (Summer) OWNER'S NO. \_\_\_\_\_

Description of measuring point: \_\_\_\_\_

*Elev. of Land Surface 4153.17*

Date	Water Level Feet (below) Land Surface	Remarks Elev.	Date	Water Level Feet (below) Land Surface	Remarks
6-21-39	4.52	W.S.P. 866 4146.65	3-17-46	10.40	WSP 1130
9-28-39	11.35	do. 4141.82	8-3-48	10.02	do
12-7-39	10.87	do. 4142.30	10-26-48	11.63	do
5-17-40	8.12	W.S.P. 910 4145.05	3-11-49	10.26	WSP-1160
10-9-40	11.00	do. 4142.17	7-2-49	11.98	do
12-21-40	11.05	do. 4142.12	8-20-49	10.46	do
3-28-41	10.21	W.S.P. 940 4142.96	11-12-49	11.66	do
6-15-41	5.97	do. 4147.20	2-12-50	11.17	WSP 1169
9-24-41	8.82	do. 4144.35	7-7-50	10.58	do
1-7-42	9.86	do. 4143.71	10-29-50	13.70	do
10-23-42	10.52	W.S.P. 948	3-19-51	9.83	WSP. 1195
5-25-43	8.70	W.S.P. 990	8-14-51	10.61	do.
9-22-43	10.05	do.	12-27-51	10.95	do.
10-12-44	10.89	W.S.P. 1020	4-16-52	8.95	WSP 1228
6-11-45	10.26	W.S.P. 1027, Pumping	6-23-52	11.46	"
10-11-45	10.37	do	8-6-52	10.59	"
7-11-46	10.75	W.S.P. 1075, Pumping	12-30-52	11.34	"
5-11-47	8.93	W.S.P. 1100	3-24-53	9.23	WSP-1269
REMARKS: <i>See hydrograph</i>			7-16-53	9.19	✓
			10-14-53	11.67	✓
			1-21-54	11.59	WSP-1325
			4-16-54	11.02	✓
			7-19-54	9.80	✓
			9-13-54	12.10	✓

STATE ENGINEER  
Salem, Oregon

OCT 17 2014

State Well No. 23/31-34N(1)

SALEM, OR

County HARNEY

Application No. \_\_\_\_\_

Water Level Record

OWNER: L.F. Lazrus OWNER'S NO. \_\_\_\_\_

Description of measuring point: \_\_\_\_\_

Date	Water Level Feet (above (below) Land Surface	Remarks	Date	Water Level Feet (above) Feet (below) Land Surface	Remarks
1-21-55	11.54	WSP-1408			
7-20-55	10.72	✓			
9-17-55	6.55	✓			
11-9-55	9.05	✓			
4-11-56	7.95 <del>7.90</del>				
4-17-57	8.54 <del>8.49</del>				

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE ENGINEER  
Salem, Oregon

State Well No. 22/31-34N(1)

County Harney

Application No. \_\_\_\_\_

Elevation: 4,153'

## Well Log

Owner: Frank Whiting Owner's No. \_\_\_\_\_

Driller: Boyer & Koenemann Date Drilled 1930

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
<b>Valley fill:</b>			
Soil	0	10	10
Gravel and sand, fine; water bearing 8'	10	25	15
Clay, blue, sticky	25	29	4
Gravel, coarse, and sand	29	47	18
Clay, yellow and sticky, and sand	47	51	4
Gravel, fine, and sand	51	57	6
Clay, brown, hard	57	61½	4½
Sand, fine, brown	61½	67	5½
<b>Unclassified</b>			
Clay, blue	67	82	15
Clay, yellow, blue and brown; some water worn gravel	82	143	61
<b>Danforth formation</b>			
Pumice or sandstone, fine, white	143	148	5
Rock, black, basalt	148	175	27
Shale, green	175	205	30
Clay, gravel, and sand in alternating layers from 2-3 feet thick	205	247	42
Gravel, waterworn and sand	247	255	8
Clay, yellow, and sand	255	283	28
Sand, fine yellow; some pebbles, white glassy; static level (9 feet below land surface)	283	288	
		Bottom	



NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

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

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STATE OF OREGON  
Please type or print)

JUL 25 1977

Harney  
132

State Well No. 225/31E-34dc  
State Permit No.

(1) OWNER: WATER RESOURCES DEPT.  
Name WALTER J. HARNEY, OREGON  
Address Rt. 1 Box 70 Burns Ore.

(2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 13.

(3) TYPE OF WELL:

Rotary  Driven   
Cable  Jetted   
Dug  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) CASING INSTALLED:

12" Diam. from 1 ft. to 7.8 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used ACETYLENE TORCH  
Size of perforations 3/32" in. by 3" in.  
960 perforations from 31 ft. to 60 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?  
d: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 40 gal./min. with 0 ft. drawdown after 2 hrs.  
Artesian flow g.p.m.  
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement Grout  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 16 in.  
Diameter of well bore below seal 12 in.  
Number of sacks of cement used in well seal 14 sacks  
Number of sacks of bentonite used in well seal sacks  
Brand name of bentonite  
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.  
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 HARNEY Driller's well number  
SW 1/4 SE 1/4 Section 34 T. 22 S. R. 31 E W.M.  
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 31 ft.  
Static level 12 ft. below land surface. Date 7-1-77  
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12"  
Depth drilled 220 ft. Depth of completed well 220 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
TOP SOIL	0	4	
GRAY HARD PAN	4	28	
GRAY CLAY SAND & GRAVEL	28	31	
SAND GRAVEL WATER	31	50	
GRAVEL & SANDSTONE	50	60	
SAND GRAVEL CLAY BITES OF SANDSTONE ETC.	60	73	
HARD GRAY SANDSTONE	73	156	
BLUE SHALE ROCK	156	200	
BROWN SANDSTONE	200	220	

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SALEM, OR

Work started 6-23 1977 Completed 7-1 1977  
Date well drilling machine moved off of well 7-1 1977

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] Leeman A. White Date 7-22, 1977  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 554

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 H. H. HAWK DRILLING (Person, firm or corporation) (Type or print)

Address P.O. Box 9 LAJEN ORE.

[Signed] Leeman A. White (Water Well Contractor)

Contractor's License No. 577 Date 7-22, 1977

