

STATE ENGINEER
Salem, Oregon

OBSERVATION WELL
HARN 547
Well Record

STATE WELL NO. 23/32-7L(2)
COUNTY _____
APPLICATION NO. _____

OWNER: EMMETT RAY

MAILING ADDRESS: BURNS

LOCATION OF WELL: Owner's No. _____

CITY AND STATE: _____

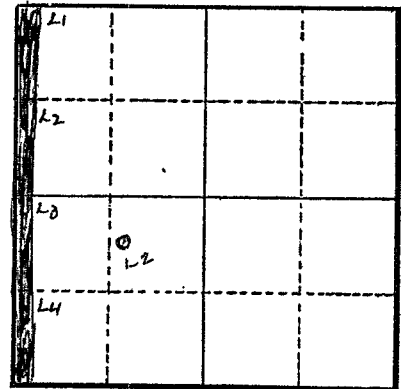
NE 1/4 SW 1/4 Sec. 7 T. 23 ^{N.} S., R. 32 ^{E.} W., W.M.

Bearing and distance from section or subdivision corner _____

Altitude at well _____

TYPE OF WELL: DRILLED Date Constructed _____

Depth drilled 93' Depth cased _____



Section 7

CASING RECORD:

18" to 12"

FINISH:

AQUIFERS:

WATER LEVEL:

8.53' (1-4-62)

PUMPING EQUIPMENT: Type _____ H.P. _____
Capacity _____ G.P.M.

WELL TESTS:

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

USE OF WATER IRRIGATION Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION USGS

DRILLER or DIGGER _____

ADDITIONAL DATA:
Log NA Water Level Measurements Chemical Analysis _____ Aquifer Test _____

REMARKS:

HARN 547

FORM 9-148

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Report Page No. 20
GROUND WATER BRANCH

COUNTY Harney

STATE Oregon

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

Emmett Ray Formerly

23/32-7L2. / Harney Branch Experiment Station. Drilled irrigation artesian well in alluvium, diameter 18 inches, depth 92 feet, cased to 60. Land-surface datum is 4,135.24 feet above msl.

HP is concrete floor of new house at 1st
Top of casing, 0.36 below W.S.D

Highest water level 2.16 below 1st Apr 22 1958; lowest 38.37 below 1st July 30 1931
Records available 1928- Water level feet below 1st

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1955		1960					
Jan. 21	5.80	Jan 13	6.94 6.59				
Apr. 30	5.41	Aug 7	PUMPING 51.21 51.53				
Sept. 17	13.34	Oct 11	17.32 16.96				
Nov. 9	7.70	1961					
1956		Jan 11	7.50 7.14				
Apr 11	4.33	5-4	PUMPING 40.00 ±				
Nov 16	5.88	9-13	13.34				
1957		1962					
Apr 17	2.25	1-4	8.53				
Oct 3	6.62						
1958							
Jan 15	5.35 2.17						
Apr 22	2.16						
Aug 5	11.65						
Sept 24	5.10						
1959							
Apr 11							
Aug 27	7.90						

HARN 547

STATE ENGINEER
Salem, Oregon

State Well No. 23/32-7L(2)
County Harney
Application No. _____

Well Log

Owner: . . Ray (formerly Exp. Station) Owner's No. _____

Driller: P. S. Weitenhiller Date Drilled 1926

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Silt loam, sandy	0	1½	1½
Adobe, black	1½	5	3½
Clay, yellow	5	9½	4½
Sand, fine, blue	9½	10½	1
Gravel, fine, water level at 11 feet	10½	12	1½
Gravel, fine, grading to coarse sand	12	14	2
Clay, blue and fine sand	14	15½	1½
Clay, blue, grading to fine sand at base	15½	22	6½
Clay, blue	22	39	17
Clay, blue and gravel hardpan	39	42½	3½
Gravel, water worn, and coarse sand, grading to fine sand and clay at base	42½	55	12½
Sand, fine, red	55	56	1
Clay, yellow and gray	56	61	5
Sand, gravel, and clay	61	63	2
Sand, fine, blue	63	64	1
Clay, blue with blue sand layers above, fine, Clay, fine, blue, coarser toward bottom with some gravel,	64	75	
third flow of water	75	86	
Clay, blue	86	86½	½

STATE ENGINEER
Salem, Oregon

HARN 547

State Well No. 23/92-7L(2)

County HARNEY

Application No. _____

Chemical Analysis

OWNER Ray, Formerly Exp. Sta. OWNER'S NO. _____

ANALYST USGS Address _____

Date of Collection 9-1-31

Point of Collection Well #94, WSP 84

	P.P.M.	E.P.M.
Silica (SiO ₂)	51	
Iron (Fe) Total	0.01	
Manganese (Mn)		
Calcium (Ca)	64	
Magnesium (Mg)	22	
Sodium (Na)	117	
Potassium (K)	4.0	
Bicarbonate (HCO ₃)	151	
Carbonate (CO ₃)	0	
Sulfate (SO ₄)	175	
Chloride (Cl)	138	
Fluoride (F)		
Nitrate (NO ₃)	0.7	
Boron (B)		
Dissolved Solids	652	
Hardness as CaCO ₃	250	
Specific Conductance (Micromhos at 25°C)		
pH		
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)		
CLASS		

Water Level Record

OWNER: Ray Formerly Exp. Sta. OWNER'S NO. _____

Description of measuring point: Center of Air gage, 14' above LSD

LSD = 4135.24'

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
10-5-28	6.70		8-23-30	19.90 20.10	
12-1-28	6.35		9-2-30	12.10 10	
1-1-29	6.00		10-2-30	18.95	
2-1-29	6.00		11-7-30	8.30	
3-1-29	6.00		12-1-30	7.80	
4-1-29	5.90		1-5-31	7.60	
5-1-29	5.80		2-5-31	7.40	
9-2-29	9.30		3-27-31	7.35	
10-2-29	8.90		4-28-31	9.60	
11-7-29	7.40		5-2- 25 ³¹	20.60	
12-11-29	7.00		10-22-31	17.60	
1-1-30	6.80		10-26-31	12.60	
2-5-30	6.70		11-12-31	9.90	
3-1-30	6.70		12-5-31	9.60	
4-1-30	6.50		1-2-32	8.60	
5-2-30	6.50		2-2-32	8.10	
5-29-30	10.75	Recovering ?	3-5-32	8.00	
6-4-30	50.45	Pumping	4-2-32	7.90 7.70	

REMARKS: _____

Water Level Record

OWNER: _____ OWNER'S NO. _____

Description of measuring point: Top of 18' casing 5' below LSD. M.P. Center of gage, 2' above LSD.

LSD = 4135.24

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
5-16-32	17.60		4-3-35	4 7.10	WSP 777 P 152
1-2-33	6.10 30	WSP 777 P 152	5-5-35	6.80	" "
2-2-33	6.00 20	" "	11-4-35	9.10	" "
3-1-33	5.90 6.10	" "	11-27-35	7.80	" "
4-1-33	5.90 6.10	" "	12-16-35	7.80	" "
5-4-33	5.90	" "	4-4-36	8.68	4126.7 WSP 817
9-2-33	14.60	" "	4-20-36	8.28	4127.1 "
10-1-33	9.60	" "	5-4-36	5.47	M.P. see page 342
11-1-33	9.10	" "	9-2-36	5.52	in WSP 840
12-1-33	9.10	" "	1-3-37	9.08	4126.3 WSP 845
12-26-33	6.80	" "	2-8-37	8.88	4126.5 "
4-1-34	6.60	" "	2-28-37	8.88	4126.5 "
4-18-34	6.60	" "	3-31-37	8.68	4126.7 "
11-5-34	10.20	" "	4-4-37	8.48	4126.9 "
11-29-34	10.00	" "	10-8-37	12.98	4122.4 "
12-22-34	9.80	" "	11-2-37	10.48	4124.9 "
2-7-35	7.60	" "	12-1-37	9.48	4125.9 "
3-1-35	7.60	" "	1-9-38	9.08	4126.3 "

REMARKS: 1/ New mp described in WSP 817

Water Level Record

OWNER: _____ OWNER'S NO. _____

Description of measuring point: _____

.24
LSD = 4135.28

Date	Water Level Feet (below) Land Surface	Remarks	Date	Water Level Feet (below) Land Surface	Remarks
2-1-38	8.78	4126.6 WSP 845	6-29-39	40.40	4094.9 WSP 886
3-3-38	8.48	4126.9 "	7-24-39	62.48	4072.9 "
4-6-38	7.35	4128.03 "	8-29-39	65.48	4069.9 "
5-3-38	6.45	4128.93 "	9-28-39	11.72	4123.66 "
5-22-38	6.18	4129.2 "	10-5-39	11.35	4124.03 "
7-11-38	13.98	4121.4 "	10-31-39	9.82	4125.56 "
8-26-38	15.96	4119.42 "	12-1-39	9.03	4126.35 "
9-1-38	13.58	4121.8 "	12-7-39	8.50	.88 "
10-9-38	12.18	4123.2 "	12-29-39	8.68	.7 "
4-29-38	8.38	4127.0 "	2-1-40	8.41	WSP 910
12-15-38	7.70	4127.68 "	3-1-40	8.07	"
12-28-38	8.04	4127.34 "	4-1-40	7.10	"
2-2-39	7.78	4127.60 WSP 886	5-2-40	6.25	"
3-2-39	7.73	65 "	5-17-40	5.72	"
3-22-39	7.23	4128.15 "	8-31-40	13.30	"
4-1-39	7.50	4127.88 "	10-1-40	9.37	"
5-1-39	7.17	4128.21 "	10-8-40	8.67	"
6-5-39	60.48	4074.9 "	10-29-40	8.40	"

REMARKS: _____

Water Level Record

OWNER: _____ OWNER'S NO. _____

Description of measuring point: _____

L.S.D. = 4135.24

Date	Water Level Feet (below) Land Surface	Remarks	Date	Water Level Feet (below) Land Surface	Remarks
12-4-40	8.10	WSP 910	-1944-		NO MEASUREMENTS - PUMPING
12-21-40	7.53	"	6-11-45	6.70	WSP-1028
12-31-40	7.88	"	10-11-45	7.16	✓
2-4-41	7.26	WSP 940	7-11-46	23.70	✓ RECOVERING
3-3-41	6.71	"	5-11-47	4.99	WSP-1100
3-28-41	5.65	"	10-8-47	7.22	✓
4-1-41	5.54	"	3-17-48	6.09	WSP-1130
5-2-41	4.84	"	10-26-48	6.82	✓
5-22-41	4.74	"	3-11-49	5.72	WSP-1160
9-2-41	8.49	"	7-3-49	19.91	✓
9-25-41	7.15	"	8-20-49	13.80	✓
10-1-41	7.05	"	11-12-49	6.71	✓
11-4-41	6.63	"			
12-1-41	6.55	"			
1-7-42	6.19				
10-23-42	6.65	WSP-948			
5-25-43	3.48	WSP-990			
9-21-43	6.82	✓			

REMARKS: _____

Water Level Record

OWNER: _____ OWNER'S NO. _____

Description of measuring point: _____

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
			2-12-50	6.07	WSP 1169
			7-7-50	16.34	"
			10-29-50	6.97	"
			3-19-51	4.75	WSP 1195
			8-14-51	14.36	✓
			12-27-51	5.41 7.09	✓
			4-16-52	2.92	WSP 1225
			12-30-52	4.82	"
			3-29-53	3.63 6.89	WSP-1269
			7-16-53	2.56 6.32	✓
			10-14-53	5.41 5.70	✓
			1-21-54	4.95	WSP-1325
			4-14-54	3.94	✓
			9-13-54	7.85	✓

REMARKS: _____

HARN 547

For Official Use Only by The Oregon Water Resources Department:

Received Date: 8-14-13 County Well Log ID # HARN 547 Well Identification Tag # L-95145

RECEIVED BY OWRD

AUG 14 2013

SALEM, OR

APPLICATION FOR WELL IDENTIFICATION TAG

LANDOWNER INFORMATION

Name: JOE WILLIAMS
Mailing Address: 70785 OLD EXPERIMENT ROAD
City: BURNS State: OREGON Zip: 97720
Return Well Tag to (if different than mailing address): _____

WELL LOCATION INFORMATION

County: HARNEY Township: 23 North or South (circle one) Range: 32 East or West (circle one),
Section: 7 NE 1/4 SW 1/4 Tax Lot #: _____

Street Address of Well (if different than mailing address): _____

WELL ID TAG
ATTACHED BY
J R. Johnston

WELL INFORMATION (Do Not Complete If Well Report is Attached)

Type of Well (i.e. domestic, irrigation, etc): _____ Date Well Constructed: _____
Well Constructor/Company: _____
Well Depth (in feet): _____ Diameter of Well Casing (in inches): _____
Landowner Who Had Well Constructed or Previous Owner at the Time Well was Constructed (if known): _____

Other Information: _____