

STATE ENGINEER  
Salem, Oregon

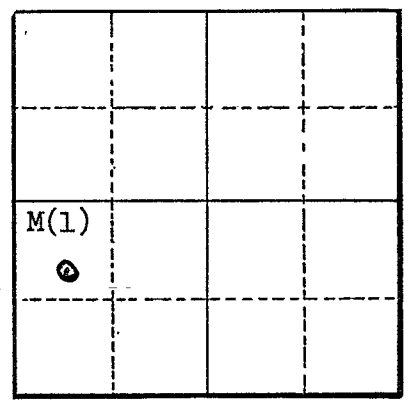
OBSERVATION WELL  
MAR 26 1936  
Well Record  
MAR 1936

STATE WELL NO. 5/2W-25M(1)  
COUNTY Marion  
APPLICATION NO. GR-2553

OWNER: Agricultural Research Corp (Sam H. Brown)  
MAILING ADDRESS: Century Farm - East Hwy.  
CITY AND STATE:

LOCATION OF WELL: Owner's No. NW 1/4 SW 1/4 Sec. 25 T. 5 S., R. 2 W., W.M.

Bearing and distance from section or subdivision corner



Section 25

Altitude at well 180.3 feet

TYPE OF WELL: Drilled Date Constructed 1930

Depth drilled 252 Depth cased

CASING RECORD:

18 inch set from 0 to 155 feet  
6 inch set from 150 to 252 feet

FINISH:

Perforated from 117 to 147 feet and from 215 to 245 feet

AQUIFERS:

Gravel and sand from 112 to 143 feet  
Sand and gravel from 218 to 243 feet

WATER LEVEL:

22.53 feet below land surface, September 28, 1936  
33.18' (9-1-59)

PUMPING EQUIPMENT: Type Turbine H.P. 20 40  
Capacity G.P.M.

WELL TESTS:

Drawdown 49 ft. after hours pumping from 875 to 940 G.P.M.  
Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation 146 acres Temp. °F., 19

\*SOURCE OF INFORMATION U.S.G.S.

DRILLER or DIGGER A. M. Janssen Drilling Co.

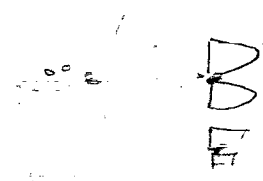
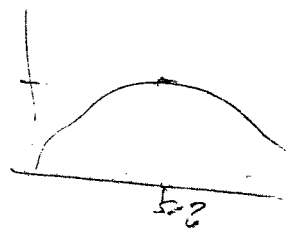
ADDITIONAL DATA:

Log X Water Level Measurements X Chemical Analysis Aquifer Test

REMARKS:

\*Well in 245 in Geological Survey Water Supply Paper 890

Well in bal shape - cased on outside.



# MARI 2666

STATE ENGINEER  
Salem, Oregon

State Well No. 5/2W-25M(1)  
County Marion  
Application No. \_\_\_\_\_

## Well Log

Owner: Agricultural Research Corp. (Sam H. Brown) Owner's No. \_\_\_\_\_

Driller: A. M. Janssen Drilling Company Date Drilled 1930

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Loam	0	2	2
Clay, yellow and blue with some streaks of pea gravel at 18½ feet, and fine sand below 38feet	2	65	63
Clay, grading downward into sand	65	68	3
Sand and gravel, fine, water bearing	68	81	13
Clay, gray, blue and brown; in party sandy and pebbly	81	94	13
Silt, dark blue-gray	94	108	14
Sand, fine, black	108	112	4
Sand and fine gravel, somewhat cemented	112	117	5
Gravel, coarse, and sand, water bearing	117	143	26
Clay, blue, pebbly	143	146	3
Sand, black, fine to coarse	146	162	16
Clay, green, sticky	162	180	18
Sand, black, loose	180	182	2
Clay or shale, green, streaks of peat at top	182	205	23
Sand, black	205	208	3
Clay, blue, water tight	208	218	10
Gravel, and sand, water bearing	218	243½	25½
Clay, blue, sticky	243½	252½	9

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STATE ENGINEER  
Salem, Oregon

MARI 2666

State Well No. 5/2W-25 (11)

County MARION

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

Water Level Record

OWNER: Agricultural Research Corp OWNER'S NO. \_\_\_\_\_  
(Sam H. Brown)

Description of measuring point: Top of Pump base flange, 1.0 foot  
above land surface

Sec hydrograph Elev. Land Surface 180.31

Date	Water Level Feet (below) Land Surface	Remarks	Date	Water Level Feet (below) Land Surface	Remarks
1930	.		1936		
3-5	22.2	WSP 890	8-31	21.92	WSP 890
3-31	19.3	do	9-28	22.53	do
8-12	24.1	do			
1935					
10-10	22.30	do	- No MEASUREMENTS in 1937 -		
10-28	22.52	do			
11-18	22.85	do			
12-31	21.95	do			
1936			12-12-38	21.25	WSP. 845 159.06
1-27	15.95	do	3-28-39	14.73	WSP. 886 165.58
2-24	14.23	do	6-19-39	21.67	W.S.P. 886 158.64
3-23	14.70	do	9-26-39	23.01	do. 157.30
3-30	14.17	do	12-5-39	23.52	do. 156.79
4-27	15.52	do	5-20-40	15.41	W.S.P. 910 164.90
5-25	17.05	do	10-4-40	22.40	do 157.91
6-29	20.22	do	12- <sup>22</sup> <del>40</del> -40	17.59	do 162.72
7-28	20.43	do			

REMARKS: Additional measurements available in  
Geological Survey Water-Supply Papers 890, 845,  
886, 890, 910, 940, 948, 990, 1020, 1027, 1075, 1100  
1130, 1169, 1195.

STATE ENGINEER  
Salem, Oregon

MARI 2666

State Well No. 5/2w-25M(1)

County MARION

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

### Water Level Record, CONTINUED

OWNER: Agricultural Research Corp. (Sam. Blawn) OWNER'S NO. \_\_\_\_\_

Description of measuring point: M.P. SAME

(1445) #3 - BASE CASTING OF PUMP AT TAPPED HOLE, 0.65' ABOVE L.S.D.

LSD = 180.31'

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
3-31-41	15.48 <del>14.48</del>	WSP 940 164.83	9-13-48	22.13	WSP. 1130
6-13-41	29.78	do. Pumping 150.53	12-9-48	16.85	do.
9-27-41	22.28	do. 158.03	4-4-49	13.88	WSP-1160
1-12-42	15.57	WSP 948 164.94	6-15-49	20.76	do
10-28-42	22.35	do	11-25-49	23.64	do
9-20-43	15.20	W.S.P. 990	6-20-50	19.65	WSP 1169
12-27-43	18.25	do.	10-1-50	23.31	do
10-6-44	22.30	W.S.P. 1020	9-13-51	24.24	
6-14-45	15.29	W.S.P. 1027			
9-28-45	22.20	do			
9-26-46	22.54	W.S.P. 1075			
10-21-46	22.52	do.			
1-3-47	15.64	W.S.P. 1100	9-10-52	25.04	WSP-1225
6-18-47	18.10	do.	12-23-52	23.54	do
8-26-47	22.01	do.	6-3-53	17.66	WSP-1269
11-19-47	16.44	do.	10-7-53	24.20	do
3-11-48	13.74	WSP 1120	12-21-53	15.80	do
6-17-48	15.89	do.	3-16-54	14.93	WSP-1325
			6-29-54	20.55	do
			9-8-54	24.77	do
			10-20-54	23.70	do
			12-28-54	18.69	do

REMARKS: See hydrograph

Water Level Record

OWNER: Agricultural Research Corp OWNER'S NO. \_\_\_\_\_

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

USGS

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
2-12-55	16.03	WSP-1408			
3-21-55	15.79	✓			
5-28-55	16.49	✓			
8-1-55	24.87	✓			
9-6-55	25.03	✓ Pumped recently			
11-5-55	22.72	✓			
<del>10-6</del>					
12-21-55	15.68	✓			
2-18-56	14.85				
5-10-56	17.03				
8-21-56	35.84				
12-18-56	22.81				

REMARKS: See hydrograph

**MARI 2666**  
 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

Report Page No. \_\_\_\_\_  
 GROUND WATER BRANCH

WATER RESOURCES DIVISION

COUNTY Marion

STATE Oregon

**WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS**

5/2W-25M1. Agricultural Research Corp. (Sam H. Brown). Drilled irrigation well in sand and gravel, diameter 18 to 6 inches, depth 252 feet, casing perforated 117-147, 215-245. Land-surface datum is 180.31 feet above msl.

Highest water level 13.74 below lsd Mar 11 1948; lowest 35.84 below lsd Aug 21 1956  
 Records available 1929-30, 1935-36, 1938- Water level Feet below lsd

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1955		1958					
Feb. 12	16.03	Jan 10	17.39				
Mar. 21	15.79	Apr 14	17.00				
May 28	16.49	July 7	29.61				
Aug. 1	24.87	Oct 1	25.58				
Sept. 6	<del>2</del> 25.03						
Nov. 5	22.72						
Dec. 21	15.68						
1956							
Feb 18	14.85						
May 10	17.33						
Aug 21	35.84						
Dec 18	22.81						
1957							
Mar 18	15.61						
June 24	21.34						
Sept 23	32.65						

# MARI 2666

FORM 9-148

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Report Page No. 72  
GROUND WATER BRANCH

WATER RESOURCES DIVISION

COUNTY Marion

STATE Oregon

## WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

5/2W-25M1. Agricultural Research Corp. (Sam H. Brown). Drilled irrigation well in sand and gravel, diameter 18 to 6 inches, depth 252 feet, casing perforated 117-147, 215-245. Land-surface datum is 180.31 feet above msl.

MP is top edge of iron plank seal around pump column  
2.25 ft below lsd.

Highest water level 13.74 below lsd Mar 11 1948; lowest 35.84 below lsd Aug 21 1956  
Records available 1929-30, 1935-36, 1938- Water level Feet below lsd

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1955		1958		1961			
Feb. 12	16.03	Jan 10	17.39	4-21	15.40 <del>14.75</del>		
Mar. 21	15.79	Apr 14	17.00	7-7	28.56 <del>27.91</del>		
May 28	16.49	July 7	29.61	8-11	43.62 <del>42.99</del>		
Aug. 1	24.87	Oct 1	26.23 25.58	9-18	28.00 27.35		
Sept. 6	<del>25.03</del> 25.03	1959		10-31 1962	25.05		
Nov. 5	22.72	Jan 14	17.30	1-15	20.40 <del>18.15</del>		
Dec. 21	15.68	June 16	18.27 <del>19.87</del>				
1956		Sept 1	33.18 24.78				
Feb 18	14.85	Dec 26	23.85 <del>26.10</del>				
May 10	17.33	1960 Oct					
Aug 21	35.84	Mar 22	16.08				
Dec 18	22.81	June 1	18.45 <del>13.95</del> 16.85				
1957		Aug 30	34.92 <del>39.92</del> 32.82				
Mar 18	15.61	Sept 29	33.20 <del>27.78</del> 20.66				
June 24	21.34	Oct 28	25.06				
Sept 23	32.65	1961					
		Jan 6	18.19 19.79				
		2-16	14.66 <del>14.01</del>				
		3-31	14.35 13.76				