STATE ENGINEER
Salem, Oregon

MAR 11 2206

Well Record

STATE WELL NO. 10/3W-13B(1)
COUNTY Marion
APPLICATION NO. GR- 208

OWNER: Leland W. Wells

MAILING ADDRESS:

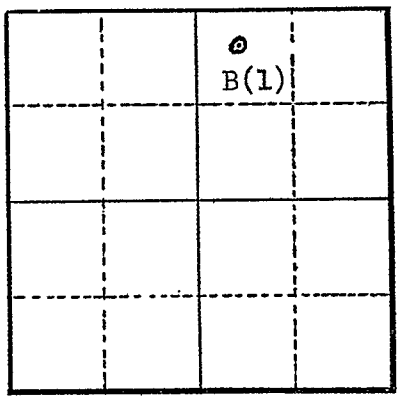
CITY AND STATE: Jefferson, Oregon

LOCATION OF WELL: Owner's No. 1

NW ¼ NE ¼ Sec. 13 T. 10 S., R. 3 W., W.M.

Bearing and distance from section or subdivision corner 600' E. & 400' S. from N¼ cor. of sec. 13

Altitude at well 260'



Section 13

TYPE OF WELL: Drilled Date Constructed 5/12/47

Depth drilled 20' Depth cased 20'

CASING RECORD:
8 inch

FINISH:

AQUIFERS:

WATER LEVEL:
10 feet

PUMPING EQUIPMENT: Type Centrifugal H.P. 10
Capacity 300 G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation (30 Acres) Temp. °F., 19
SOURCE OF INFORMATION GR- 193
DRILLER or DIGGER Wolf?
ADDITIONAL DATA:
Log NA Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

State Printing 89316

STATE ENGINEER
SALEM, OREGON

Well No. 10/3W-13B(1)
County: MARION

AQUIFER TEST

Observation Well 10/3W-13B(1)'

Time	Time since pumping started t_m (minutes)	Time since pumping started t_d (days)	Water Level (feet)	Drawdown (feet)(s)	r^2/t_d
10:20 AM	14	.00972	9.18	.88	108×10^5
10:21	15	.0104	9.19	.89	9.6×10^4
10:22	16	.0111	9.20	.90	9.0
10:23	17	.0118	9.21	.91	8.5
10:27	21	.0146	9.23	.93	6.8
10:28:30	22.5	.0156	9.24	.94	6.4
10:32	26	.0181	9.25	.95	5.5
10:33	27	.0187	9.27	.97	5.35
10:34	28	.0195	9.28	.98	5.1
10:37	31	.0215	9.29	.99	4.65
10:39	33	.0229	9.30	1.00	4.35
10:41	35	.0243	9.31	1.01	4.10
10:42	36	.0250	9.32	1.02	4.00
10:45	39	.0271	9.33	1.03	3.70
10:47	41	.0285	9.34	1.04	3.50
10:49	43	.0298	9.35	1.05	335
10:51	45	.0313	9.386	1.06	3 20
11:04	58	.0402	9.38	1.08	2.49
11:12	66	.0457	9.40	1.10	2.19
11:22	76	.0529	9.42	1.12	1.89
11:50	104	.0721	9.50	1.20	1.38

Observation Well 5t NW from pumped well.

STATE ENGINEER

SALEM, OREGON

State Well No. 10/3W-13B(1)

County MARION

AQUIFER TEST

10/21/58

Time	Time Since Pumping Began (t) min	Water Level	Drawdown or recovery (s) ft	Head on Measuring Device	Discharge (g.p.m.)	Remarks
7 30 AM		13.88		½ t d		Static W.L.
10:06					180 GPM	Pump started
10:13	7	13.88		.00486		
10:19	13	13.90	.02	00902		
10:31	25	13.96	.08	.0174		
10:46	40	13.97	.09	.0278		
11:06	60	13.98	.10	.0416		
11:54	108	14.03	.15	.0750		
12:21 PM	195	14.07	.19	.136		
12:40	214	14.08	.20	.148		
1:05	239	14.12	.24	.166		
1:45	279	14.14	26	.194		
2:42	336	14.19	.31	.234		
4:35	389	14.27	.39	.270		
6:00	474	14.32	.44	.329		
7:40	574	14.38	.50	.399		

Form G-1a

Sheet ____ of ____

STATE ENGINEER
SALEM, OREGON

Well No. 10/3W-13B(1)
County: MARION

AQUIFER TEST

Observation Well 10/3W-13B(1)'

Time	Time since pumping started t_m (minutes)	Time since pumping started t_d (days)	Water Level (feet)	Drawdown (feet)(s)	r^2/t_d
12:13 PM	127	.0881	9.56	1.26	1.13×10^4
12:39	153	.106	9.59	1.29	9.4×10^3
1:12	186	.129	9.64	1.34	7.4
1:37	211	.146	9.65	1.35	6.8
2:37	271	.188	9.68	1.38	5.3
4:25	379	.262	9.76	1.46	3.81
5:50	464	.322	9.82	1.52	3.10
7:30	564	.391	9.86	1.56	2.55

STATE ENGINEER
SALEM, OREGON

Well No. 10/3W-13 B(1)
County: MARION

AQUIFER TEST

Observation Well No. 10/3W-13 B(1)' r = 10 (ft) r^2 = 100
Date of test 10-21-58 Average Q = 180 gpm S.W.L. 8.30
Pump on 10:06 AM Pump off _____ Hours Pumped _____
Match Points: s= _____ r^2/t _____ Wu _____ u = _____

Time	Time since pumping started t_m (minutes)	Time since pumping started t_d (days)	Water Level (feet)	Drawdown (feet) (s)	r^2/t_d
10:06:10 AM	.16	.000111	8.60	.30	9.0×10^6
10:06:17	.27	.000187	8.70	.40	5.7×10^6
10:06:21	.29	.000201	8.75	.45	5.0
10:06:31	.50	.000347	8.80	.50	3.05
10:08:20	2.33	.00160	8.85	.55	6.5×10^5
10:08:45	2.75	.00191	8.88	.58	5.2
10:08:50	2.83	.00196	8.925	.625	5.2
10:09:20	3.33	.00231	8.95	.65	4.3
10:09:35	3.58	.00249	8.975	.675	4.0
10:09:55	3.89	.00270	9.00	.70	3.7
10:10:05	4.08	.00283	9.025	.725	3.53
10:10:15	4.25	.00295	9.05	.75	3.39
10:10:52	4.87	.00337	9.10	.80	2.95
10:11:35	5.58	.00386	9.15	.85	2.59
10:13:30	7.50	.00521	9.20	.90	1.92
10:18	12	.00833	9.15	.85	1.20
10:19	13	.00902	9.17	.87	1.11

Nonequilibrium formula:

$$T = \frac{114.6\ Q\ W(u)}{s}$$

$$S = \frac{u\ T}{1.87\ r^2/t}$$

Modified nonequilibrium formula:

$$T = \frac{264\ Q}{\Delta s}$$

$$S = \frac{0.3\ T\ t_o}{r^2}$$

T = _____ gpd/ft

S = _____

STATE ENGINEER
SALEM, OREGON

Well No. 10/3W-13B(1)
County: MARION

AQUIFER TEST

Observation Well No. 10/3W-13B(1) r = 0 (ft) r^2 = _____

Date of test 10-21-58 10-22-58 Average Q = 180 gpm S.W.L. 8.09

Pump on 10:06 AM 10-21-58 Pump off _____ Hours Pumped _____

Match Points: s= _____ r^2/t _____ Wu _____ u = _____

Time	Time since pumping started t_m (minutes)	Time since pumping started t_d (days)	Water Level (feet)	Drawdown (feet) (s)	r^2/t_d
11:00 AM	54	.0375	9.63	1.54	
11:04	58	.0402	9.60	1.51	
11:23	77	.0534	9.65	1.57	
11:56	110	.0763	9.74	1.65	
12:25 PM	139	.0965	9.80	1.71	
12:49 PM	167	.116	9.90	1.81	
1:40	214	.148	9.90	1.81	
2:45	279	.194	9.94	1.85	
4:28	382	.265	9.99	1.90	
5:55	469	.325	10.03	1.94	
7:30	564	.391	10.10	2.01	

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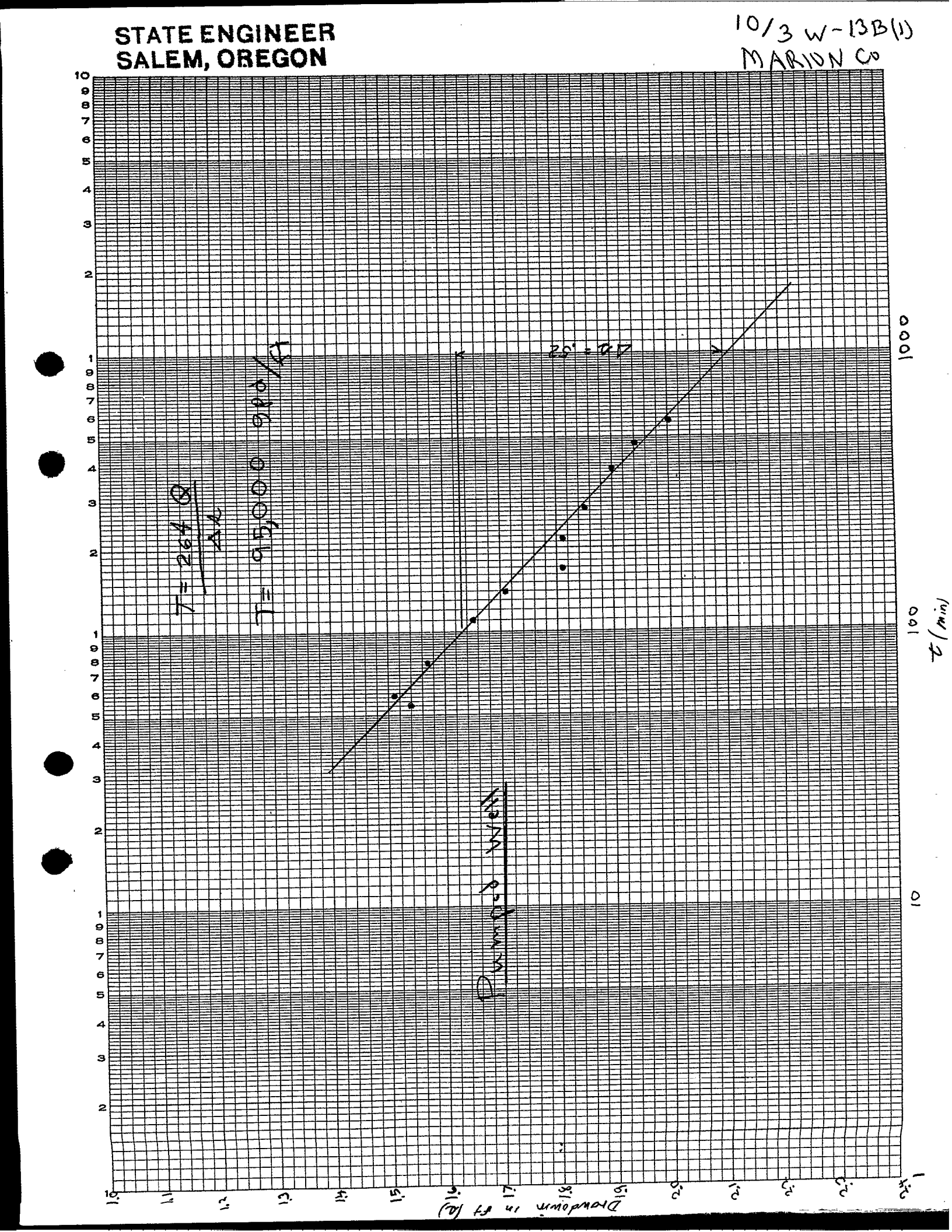
SALEM, OREGON

10/3 W-13B(1)
MARION Co



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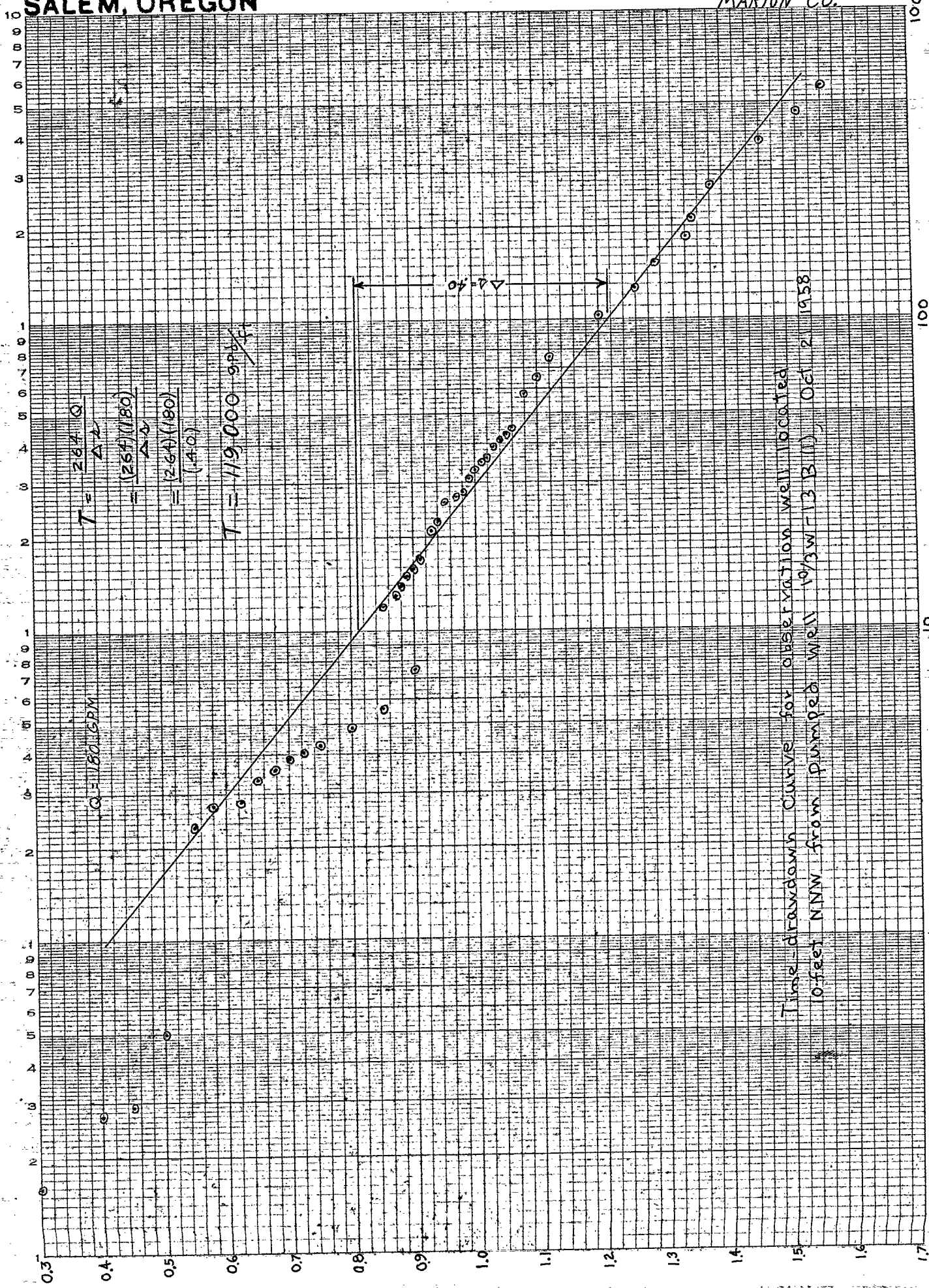
SALEM, OREGON

10/3W-13B(1)
MARION CO.



EUGENE DIETZGEN CO. MADE IN U.S.A.

NO. 340-L410 DIETZGEN GRAPH PAPER
SEMI-LOGARITHMIC
4 CYS. X 10 DIVISIONS PER INCH

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