

LOCATION: VALE, OREGON  
 HOLE NUMBER: 18-41S35  
 DATE MEASURED: 10/12/72

Water well

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	11.590	52.86	.0	.0
10.0	32.8	11.190	52.14	-80.0	-22.8
15.0	49.2	11.170	52.11	-4.0	-455.6
20.0	65.6	11.210	52.18	8.0	227.8
25.0	82.0	11.290	52.32	16.0	113.9
30.0	98.4	11.470	52.65	36.0	50.6
35.0	114.8	11.630	52.93	32.0	56.9
40.0	131.2	11.790	53.22	32.0	56.9
45.0	147.6	12.150	53.87	72.0	25.3

*Bowen & Blackwell, 1975, Geothermal Studies & Exploration in Oregon:  
 Oregon Dept of Geology & Mineral Industries Open File Rept.*

18-41-S35

10/12/72

LOCATION: VALE, OREGON  
HOLE NUMBER: 17-44S31  
DATE MEASURED: 10/14/72

*Water well*

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	13.430	56.17	.0	.0
10.0	32.8	13.850	56.93	84.0	21.7
15.0	49.2	14.510	58.12	132.0	13.8
20.0	65.6	14.990	58.98	96.0	19.0
25.0	82.0	15.630	60.13	128.0	14.2
30.0	98.4	15.920	60.66	58.0	31.4
35.0	114.8	16.390	61.50	94.0	19.4
40.0	131.2	16.930	62.47	108.0	16.9
45.0	147.6	17.390	63.30	92.0	19.8
50.0	164.0	17.700	63.86	62.0	29.4
55.0	180.4	18.060	64.51	72.0	25.3
60.0	196.8	18.430	65.17	74.0	24.6
65.0	213.2	19.020	66.24	118.0	15.4
70.0	229.6	19.460	67.03	88.0	20.7

*average*  
86

*Vale*  
17-44-S31  
10/14/72

GRADIENT, DEC 64KM

000

0

100

200

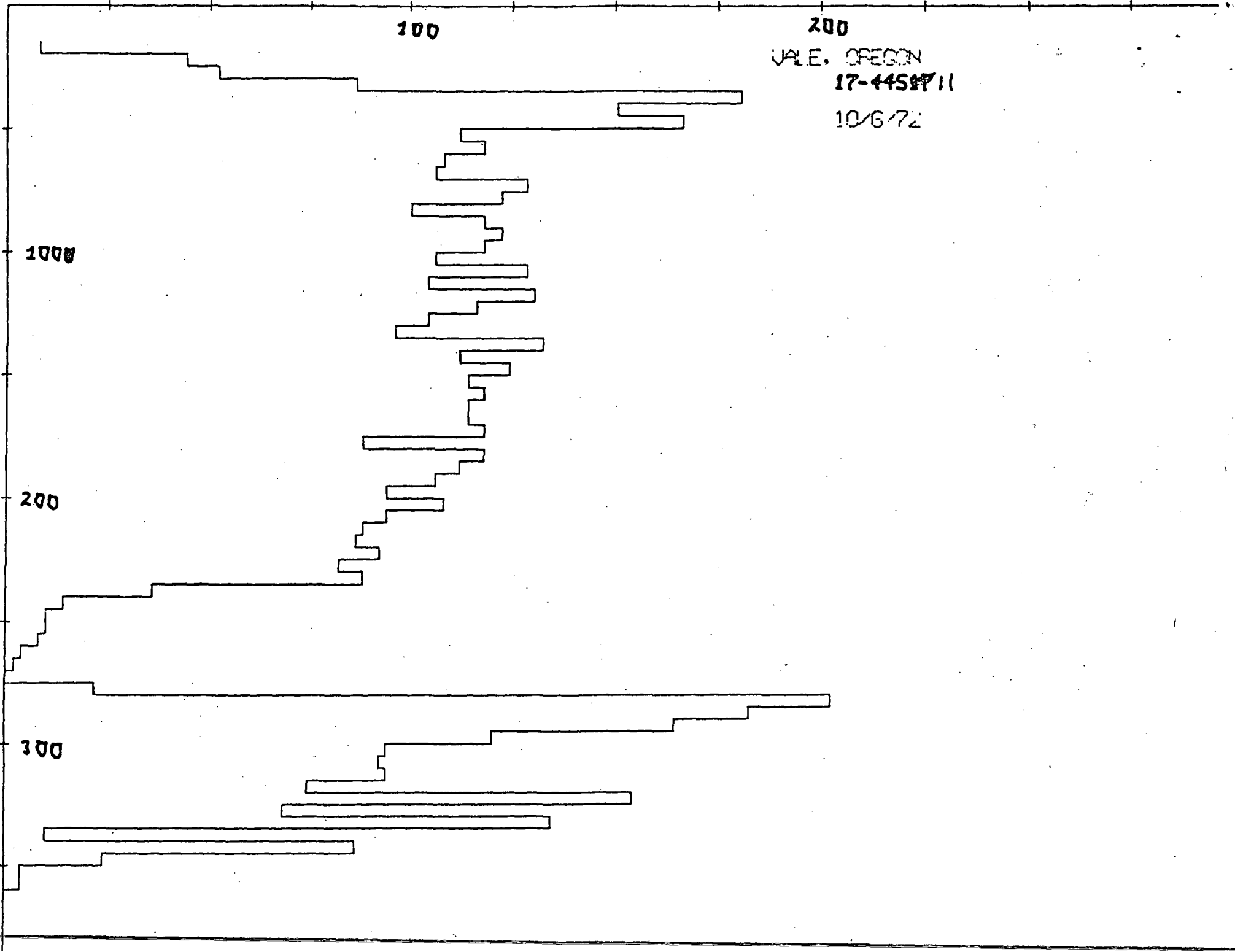
VALE, OREGON  
17-4454711  
10/6/72

WIND - I - SURFACE

1000

200

300



LOCATION: VALL OREGON  
 HOLE NUMBER: 17-44S-11  
 DATE MEASURED: 10/6/72

PAGE 2

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEO THERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
245.0	803.6	43.510	110.32	14.0	130.2
250.0	820.0	43.560	110.41	10.0	182.2
255.0	836.4	43.610	110.50	10.0	182.2
260.0	852.8	43.650	110.57	8.0	227.8
265.0	869.2	43.670	110.61	4.0	455.6
270.0	885.6	43.680	110.62	2.0	911.1
275.0	902.0	43.680	110.62	0.00000000000000	0.0
280.0	918.4	43.790	110.82	22.0	82.8
285.0	934.8	44.800	112.64	202.0	9.0
290.0	951.2	45.710	114.28	182.0	10.0
295.0	967.6	46.530	115.75	164.0	11.1
300.0	984.0	47.130	116.83	120.0	15.2
305.0	1000.4	47.600	117.68	94.0	19.4
310.0	1016.8	48.060	118.51	92.0	19.8
315.0	1033.2	48.530	119.35	94.0	19.4
320.0	1049.6	48.900	120.02	74.0	24.6
325.0	1066.0	49.670	121.41	154.0	11.8
330.0	1082.4	50.010	122.02	68.0	26.8
335.0	1098.8	50.680	123.22	134.0	13.6
340.0	1115.2	50.730	123.31	10.0	182.2
345.0	1131.6	51.160	124.09	86.0	21.2
350.0	1148.0	51.280	124.30	24.0	75.9
355.0	1164.4	51.300	124.34	4.0	455.6
360.0	1180.8	51.320	124.38	4.0	455.6
365.0	1197.2	51.320	124.38	0.00000000000000	0.0
370.0	1213.6	51.320	124.38	0.00000000000000	0.0

17-44-S-11

P.2

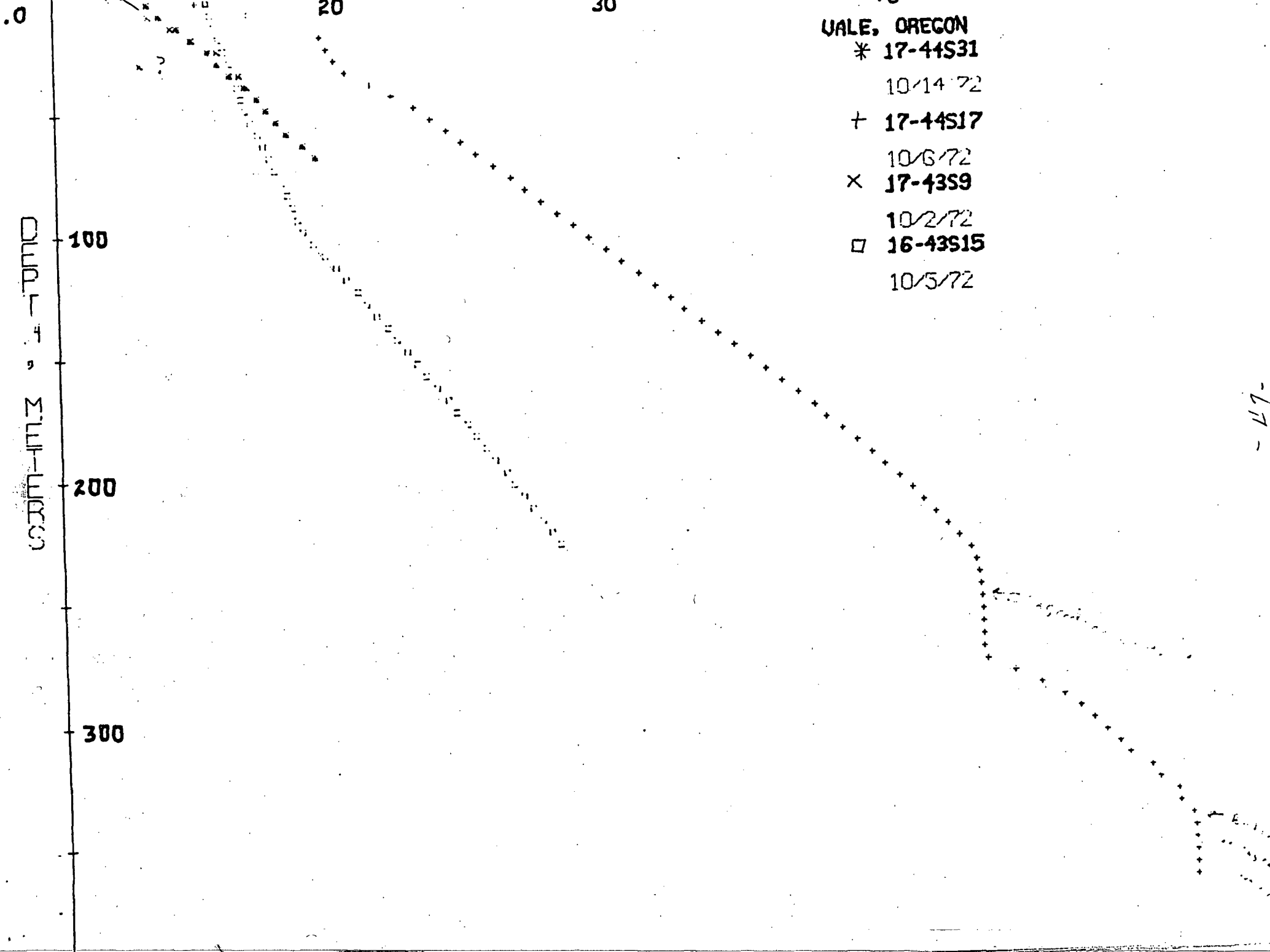
LOCATION: VALL. BREGON  
 HOLE NUMBER: 17-44917  
 DATE MEASURED: 10/6/72

11

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	15.180	59.32	.0	.0
10.0	32.8	17.080	62.74	380.0	4.8
15.0	49.2	19.640	67.35	512.0	3.6
20.0	65.6	19.680	67.42	8.0	227.8
25.0	82.0	19.900	67.82	44.0	41.4
30.0	98.4	20.160	68.29	52.0	35.0
35.0	114.8	20.590	69.06	86.0	21.2
40.0	131.2	21.490	70.68	180.0	10.1
45.0	147.6	22.240	72.03	150.0	12.1
50.0	164.0	23.070	73.53	166.0	11.0
55.0	180.4	23.630	74.53	112.0	16.3
60.0	196.8	24.220	75.60	118.0	15.4
65.0	213.2	24.760	76.57	108.0	16.9
70.0	229.6	25.290	77.52	106.0	17.2
75.0	246.0	25.930	78.67	128.0	14.2
80.0	262.4	26.540	79.77	122.0	14.9
85.0	278.8	27.040	80.67	100.0	18.2
90.0	295.2	27.630	81.73	118.0	15.4
95.0	311.6	28.240	82.83	122.0	14.9
100.0	328.0	28.830	83.89	118.0	15.4
105.0	344.4	29.360	84.85	106.0	17.2
110.0	360.8	30.000	86.00	128.0	14.2
115.0	377.2	30.520	86.94	104.0	17.5
120.0	393.6	31.170	88.11	130.0	14.0
125.0	410.0	31.750	89.15	116.0	15.7
130.0	426.4	32.270	90.09	104.0	17.5
135.0	442.8	32.750	90.95	96.0	19.0
140.0	459.2	33.410	92.14	132.0	13.8
145.0	475.6	33.970	93.15	112.0	16.3
150.0	492.0	34.590	94.26	124.0	14.7
155.0	508.4	35.160	95.29	114.0	16.0
160.0	524.8	35.750	96.35	118.0	15.4
165.0	541.2	36.320	97.38	114.0	16.0
170.0	557.6	36.890	98.40	114.0	16.0
175.0	574.0	37.480	99.46	118.0	15.4
180.0	590.4	37.920	100.26	88.0	20.7
185.0	606.8	38.510	101.32	118.0	15.4
190.0	623.2	39.070	102.33	112.0	16.3
195.0	639.6	39.600	103.28	106.0	17.2
200.0	656.0	40.070	104.13	94.0	19.4
205.0	672.4	40.610	105.10	108.0	16.9
210.0	688.8	41.080	105.94	94.0	19.4
215.0	705.2	41.520	106.74	88.0	20.7
220.0	721.6	41.950	107.51	86.0	21.2
225.0	738.0	42.410	108.34	92.0	19.8
230.0	754.4	42.820	109.08	82.0	22.2
235.0	770.8	43.260	109.87	88.0	20.7
240.0	787.2	43.440	110.19	36.0	50.6

17-44-81

10.0 20 30 40 50



LOCATION: VALE, OREGON  
 HOLE NUMBER: 17-43\$9  
 DATE MEASURED: 10/2/72

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	13.440	56.19	.0	.0
10.0	32.8	13.460	56.23	4.0	455.6
15.0	49.2	14.260	57.67	160.0	11.4
20.0	65.6	15.030	59.05	154.0	11.8
25.0	82.0	15.920	60.66	178.0	10.2
30.0	98.4	13.150	55.67	-554.0	-3.3
35.0	114.8	16.760	62.17	722.0	2.5
40.0	131.2	17.010	62.62	50.0	36.4

average 118

Vale, Ore  
 17-43-\$9  
 10/2/72

10.0

.0

15

20

25

VALE, OREGON

\* 16-43S10

10/2/72

+ 16-43S15

10/5/72

X 16-43S13

10/4/72

□ 16-43S23

10/1/72

DEPTH IN FEET

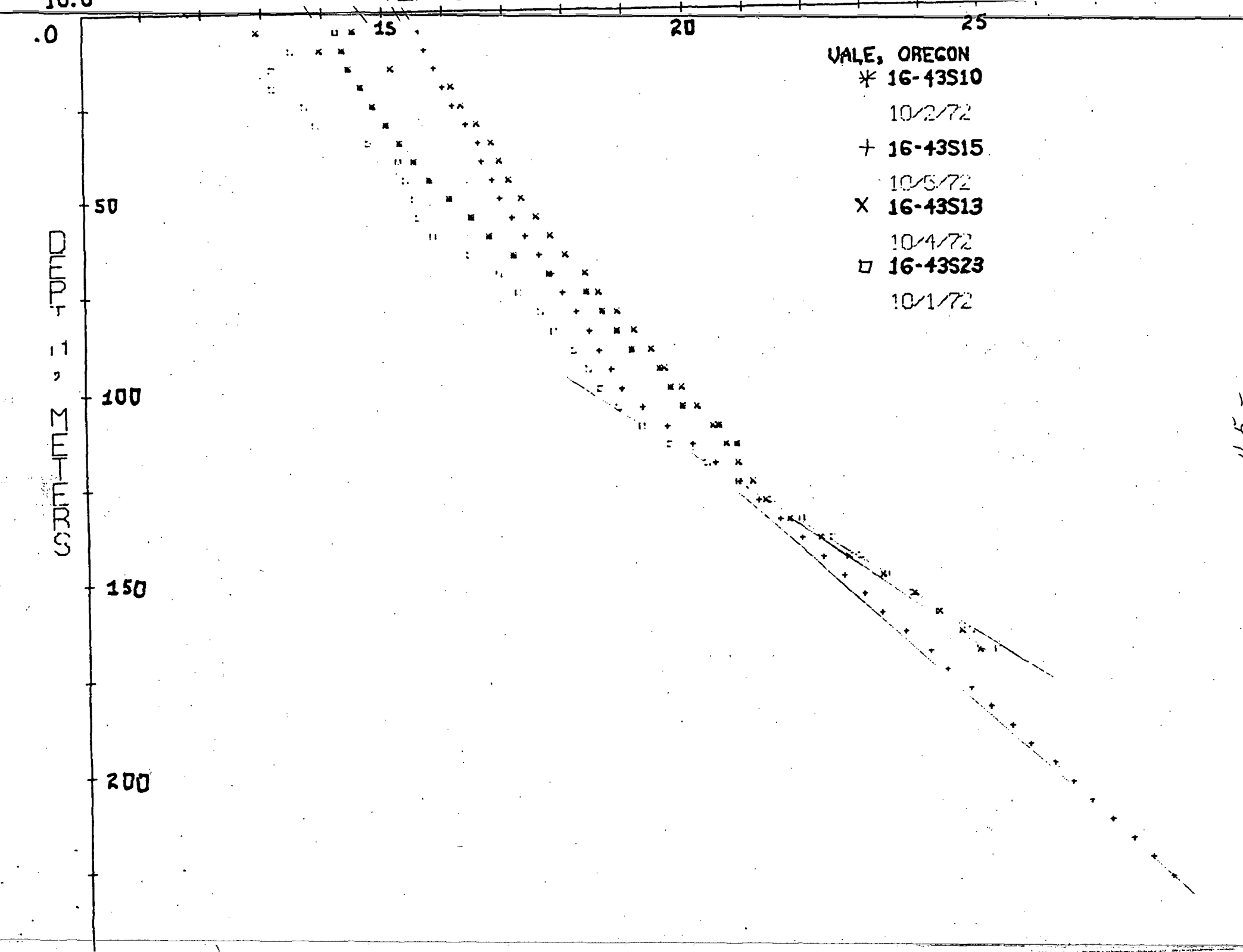
50

100

150

200

- 45 -





100

200

VALE, OREGON  
16-43523

10/1/72

DEPTH - FEET

50

100

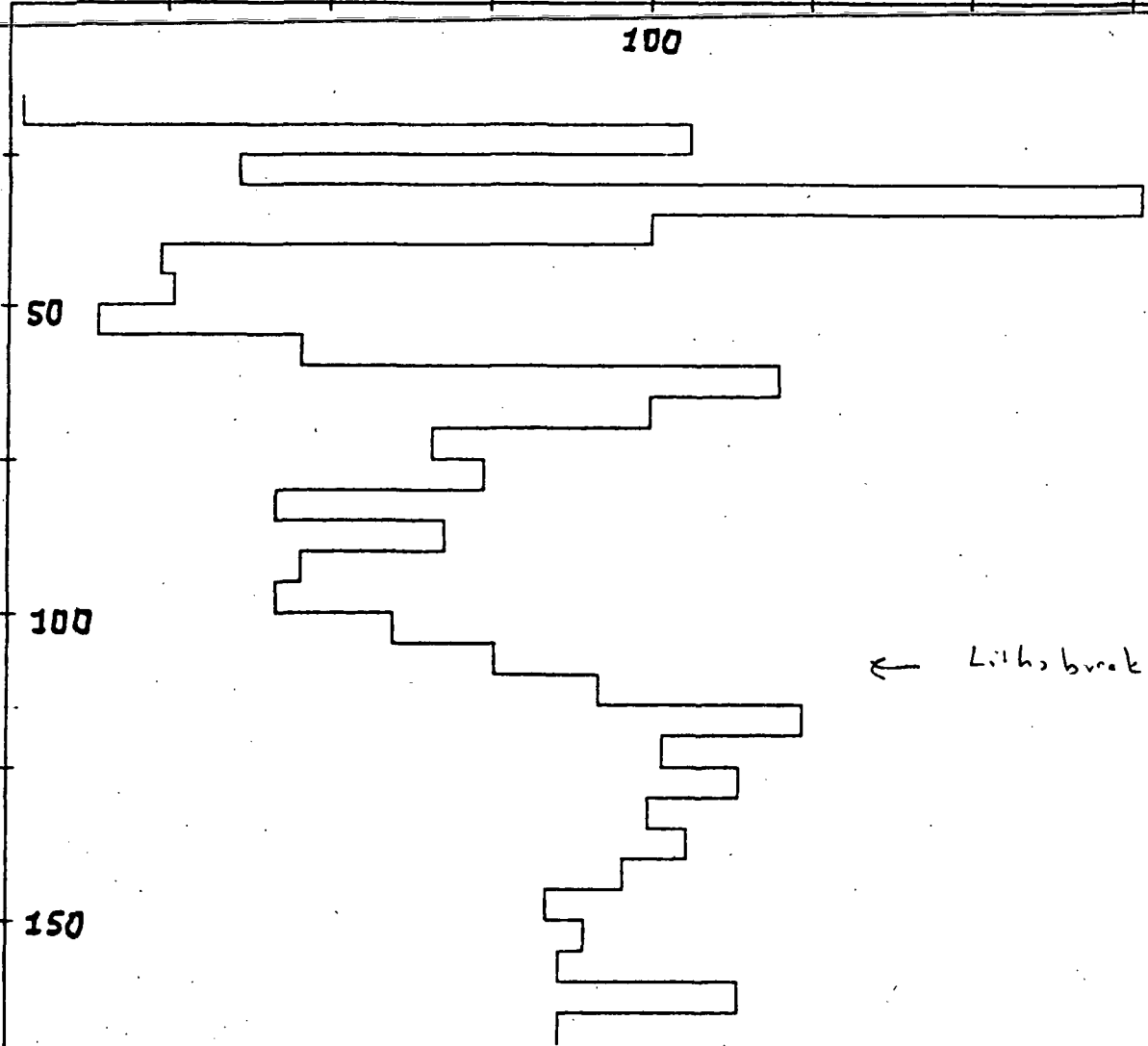
150

200

← Lith break?

- 11 -

1.0



LOCATION: VALL. OREGON  
 HOLE NUMBER: 16-43S23  
 DATE MEASURED: 10/1/72

*Water well*

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	14.230	57.61	.0	.0
10.0	32.8	13.490	56.28	-148.0	-12.3
15.0	49.2	13.160	55.69	-66.0	-27.6
20.0	65.6	13.170	55.71	2.0	911.1
25.0	82.0	13.700	56.66	106.0	17.2
30.0	98.4	13.880	56.98	36.0	50.6
35.0	114.8	14.760	58.57	176.0	10.4
40.0	131.2	15.260	59.47	100.0	18.2
45.0	147.6	15.380	59.68	24.0	75.9
50.0	164.0	15.510	59.92	26.0	70.1
55.0	180.4	15.580	60.04	14.0	130.2
60.0	196.8	15.810	60.46	46.0	39.6
65.0	213.2	16.410	61.54	120.0	15.2
70.0	229.6	16.910	62.44	100.0	18.2
75.0	246.0	17.240	63.03	66.0	27.6
80.0	262.4	17.610	63.70	74.0	24.6
85.0	278.8	17.820	64.08	42.0	43.4
90.0	295.2	18.160	64.69	68.0	26.8
95.0	311.6	18.390	65.10	46.0	39.6
100.0	328.0	18.600	65.48	42.0	43.4
105.0	344.4	18.900	66.02	60.0	30.4
110.0	360.8	19.280	66.70	76.0	24.0
115.0	377.2	19.740	67.53	92.0	19.8
120.0	393.6	20.360	68.65	124.0	14.7
125.0	410.0	20.870	69.57	102.0	17.9
130.0	426.4	21.440	70.59	114.0	16.0
135.0	442.8	21.940	71.49	100.0	18.2
140.0	459.2	22.470	72.45	106.0	17.2
145.0	475.6	22.950	73.31	96.0	19.0
150.0	492.0	23.370	74.07	84.0	21.7
155.0	508.4	23.820	74.88	90.0	20.2
160.0	524.8	24.250	75.65	86.0	21.2
165.0	541.2	24.820	76.68	114.0	16.0
170.0	557.6	25.250	77.45	86.0	21.2

*Vall*

*16-43-\$23*

*10/1/72*

.0

100

200

VALE, OREGON  
16-43S15  
10/5/72

DEPTH - FEET

50

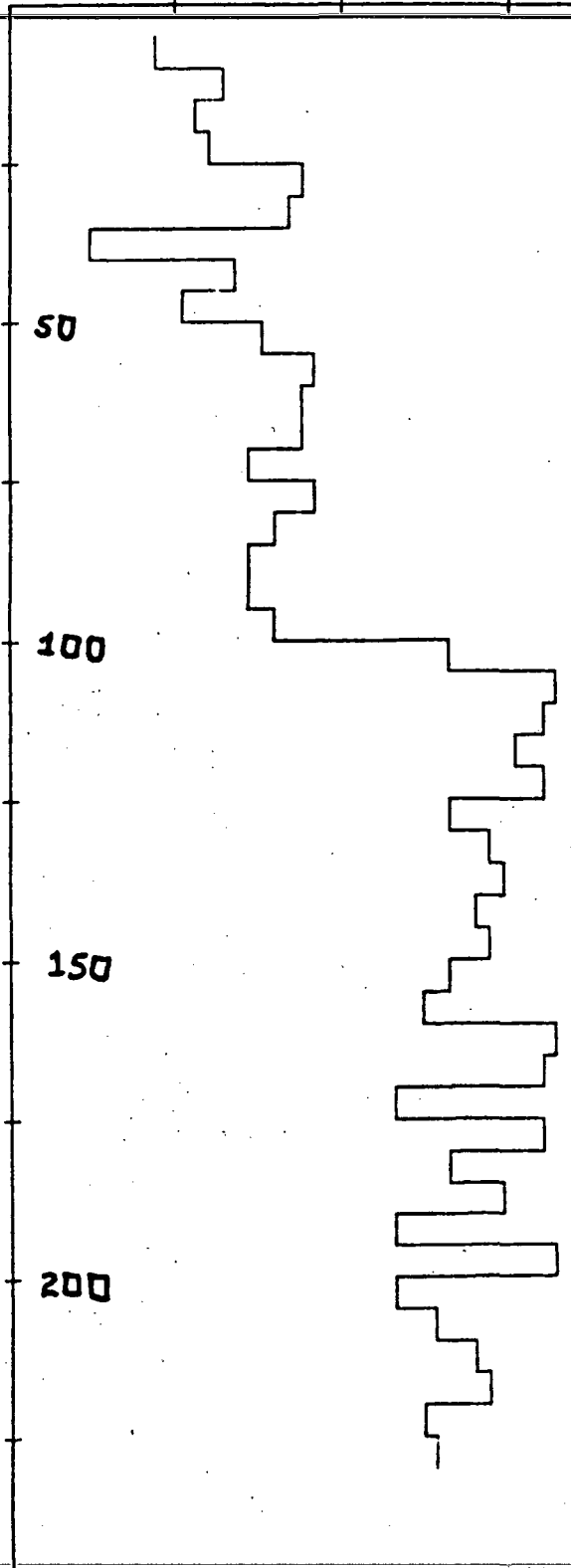
100

150

200

← Big lithology - break?

- 42 -



LOCATION: VALL. OREGON  
 HOLE NUMBER: 16-43S15  
 DATE MEASURED: 10/5/72

*Water well*

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEO THERMAL GRADIENT DEG C/KM	GRADIENT FEET/DEG F
5.0	16.4	15.590	60.06	.0	.0
10.0	32.8	15.700	60.26	22.0	82.8
15.0	49.2	15.860	60.55	32.0	56.9
20.0	65.6	16.000	60.80	28.0	65.1
25.0	82.0	16.150	61.07	30.0	60.7
30.0	98.4	16.370	61.47	44.0	41.4
35.0	114.8	16.580	61.84	42.0	43.4
40.0	131.2	16.640	61.95	12.0	151.9
45.0	147.6	16.810	62.26	34.0	53.6
50.0	164.0	16.940	62.49	26.0	70.1
55.0	180.4	17.130	62.83	38.0	48.0
60.0	196.8	17.360	63.25	46.0	39.6
65.0	213.2	17.580	63.64	44.0	41.4
70.0	229.6	17.800	64.04	44.0	41.4
75.0	246.0	17.980	64.36	36.0	50.6
80.0	262.4	18.210	64.78	46.0	39.6
85.0	278.8	18.410	65.14	40.0	45.6
90.0	295.2	18.590	65.46	36.0	50.6
95.0	311.6	18.770	65.79	36.0	50.6
100.0	328.0	18.970	66.15	40.0	45.6
105.0	344.4	19.300	66.74	66.0	27.6
110.0	360.8	19.710	67.48	82.0	22.2
115.0	377.2	20.110	68.20	80.0	22.8
120.0	393.6	20.490	68.88	76.0	24.0
125.0	410.0	20.890	69.60	80.0	22.8
130.0	426.4	21.220	70.20	66.0	27.6
135.0	442.8	21.580	70.84	72.0	25.3
140.0	459.2	21.950	71.51	74.0	24.6
145.0	475.6	22.300	72.14	70.0	26.0
150.0	492.0	22.660	72.79	72.0	25.3
155.0	508.4	22.990	73.38	66.0	27.6
160.0	524.8	23.300	73.94	62.0	29.4
165.0	541.2	23.710	74.68	82.0	22.2
170.0	557.6	24.110	75.40	80.0	22.8
175.0	574.0	24.400	75.92	58.0	31.4
180.0	590.4	24.800	76.64	80.0	22.8
185.0	606.8	25.130	77.23	66.0	27.6
190.0	623.2	25.500	77.90	74.0	24.6
195.0	639.6	25.790	78.42	58.0	31.4
200.0	656.0	26.200	79.16	82.0	22.2
205.0	672.4	26.490	79.68	58.0	31.4
210.0	688.8	26.810	80.26	64.0	28.5
215.0	705.2	27.160	80.89	70.0	26.0
220.0	721.6	27.520	81.54	72.0	25.3
225.0	738.0	27.830	82.09	62.0	29.4
230.0	754.4	28.150	82.67	64.0	28.5

*Vall*  
 16-43-15  
 10/5/72

0

100

200

VALE, OREGON

16-43513

10/4/72

DEPTH, FEET

50

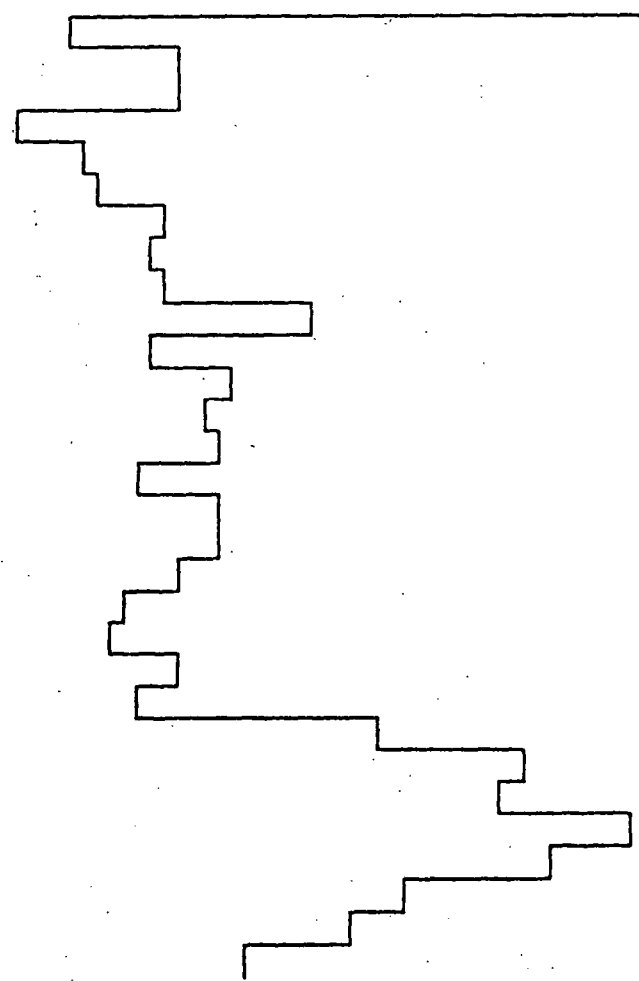
100

150

200

← Lith. break?

-40-



LOCATION: VALL, OREGON  
 HOLE NUMBER: 16-43S13  
 DATE MEASURED: 10/4/72

*Water well*

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	12.900	55.22	.0	.0
10.0	32.8	13.970	57.15	214.0	8.5
15.0	49.2	15.130	59.23	232.0	7.9
20.0	65.6	16.130	61.03	200.0	9.1
25.0	82.0	16.300	61.34	34.0	53.6
30.0	98.4	16.550	61.79	50.0	36.4
35.0	114.8	16.800	62.24	50.0	36.4
40.0	131.2	16.930	62.47	26.0	70.1
45.0	147.6	17.110	62.80	36.0	50.6
50.0	164.0	17.300	63.14	38.0	48.0
55.0	180.4	17.540	63.57	48.0	38.0
60.0	196.8	17.770	63.99	46.0	39.6
65.0	213.2	18.010	64.42	48.0	38.0
70.0	229.6	18.360	65.05	70.0	26.0
75.0	246.0	18.590	65.46	46.0	39.6
80.0	262.4	18.880	65.98	58.0	31.4
85.0	278.8	19.150	66.47	54.0	33.7
90.0	295.2	19.430	66.97	56.0	32.5
95.0	311.6	19.650	67.37	44.0	41.4
100.0	328.0	19.930	67.87	56.0	32.5
105.0	344.4	20.210	68.38	56.0	32.5
110.0	360.8	20.460	68.83	50.0	36.4
115.0	377.2	20.670	69.21	42.0	43.4
120.0	393.6	20.870	69.57	40.0	45.6
125.0	410.0	21.120	70.02	50.0	36.4
130.0	426.4	21.340	70.41	44.0	41.4
135.0	442.8	21.740	71.13	80.0	22.8
140.0	459.2	22.250	72.05	102.0	17.9
145.0	475.6	22.740	72.93	98.0	18.6
150.0	492.0	23.330	73.99	118.0	15.4
155.0	508.4	23.860	74.95	106.0	17.2
160.0	524.8	24.280	75.70	84.0	21.7
165.0	541.2	24.660	76.39	76.0	24.0
170.0	557.6	24.960	76.93	60.0	30.4

*Vale, Ore  
 16-43-S13*

DEPTH (FEET)

0

100

200

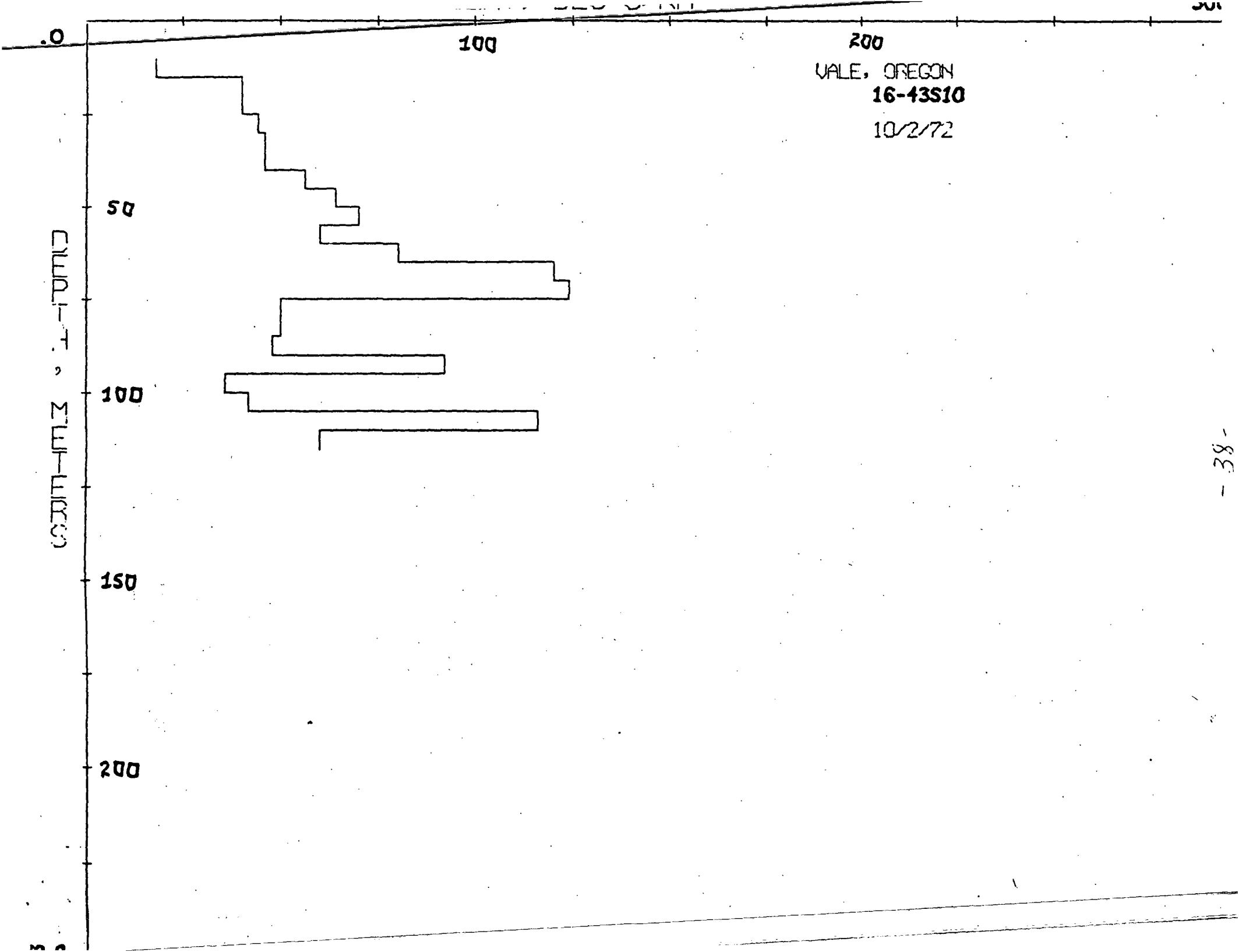
VALE, OREGON  
16-43S10  
10/2/72

50

100

150

200



LOCATION: VALE, OREGON  
 HOLE NUMBER: 16-43S10  
 DATE MEASURED: 10/2/72

*water well*

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	14.490	58.08	.0	.0
10.0	32.8	14.340	57.81	-30.0	-60.7
15.0	49.2	14.430	57.97	18.0	101.2
20.0	65.6	14.630	58.33	40.0	45.6
25.0	82.0	14.830	58.69	40.0	45.6
30.0	98.4	15.050	59.09	44.0	41.4
35.0	114.8	15.280	59.50	46.0	39.6
40.0	131.2	15.510	59.92	46.0	39.6
45.0	147.6	15.790	60.42	56.0	32.5
50.0	164.0	16.110	61.00	64.0	28.5
55.0	180.4	16.460	61.63	70.0	26.0
60.0	196.8	16.760	62.17	60.0	30.4
65.0	213.2	17.160	62.89	80.0	22.8
70.0	229.6	17.760	63.97	120.0	15.2
75.0	246.0	18.380	65.08	124.0	14.7
80.0	262.4	18.630	65.53	50.0	36.4
85.0	278.8	18.880	65.98	50.0	36.4
90.0	295.2	19.120	66.42	48.0	38.0
95.0	311.6	19.580	67.24	92.0	19.8
100.0	328.0	19.760	67.57	36.0	50.6
105.0	344.4	19.970	67.95	42.0	43.4
110.0	360.8	20.550	68.99	116.0	15.7
115.0	377.2	20.850	69.53	60.0	30.4

*Vale, Ore  
 16-43-S10*

*10/2/72*



LOCATION: VALE, OREGON  
HOLE NUMBER: 18-41S35  
DATE MEASURED: 10/12/72

Water well

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	11.590	52.86	.0	.0
10.0	32.8	11.190	52.14	-80.0	-22.8
15.0	49.2	11.170	52.11	-4.0	-455.6
20.0	65.6	11.210	52.18	8.0	227.8
25.0	82.0	11.290	52.32	16.0	113.9
30.0	98.4	11.470	52.65	36.0	50.6
35.0	114.8	11.630	52.93	32.0	56.9
40.0	131.2	11.790	53.22	32.0	56.9
45.0	147.6	12.150	53.87	72.0	25.3

18-41-S35

10/12/72

LOCATION: VALE, OREGON  
 HOLE NUMBER: 18-44S21  
 DATE MEASURED: 10/11/72

Water Well

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	FEET/DEG F
5.0	16.4	13.600	56.48	.0	.0
10.0	32.8	13.770	56.79	34.0	53.6
15.0	49.2	14.220	57.60	90.0	20.2
20.0	65.6	14.910	58.84	138.0	13.2
25.0	82.0	15.060	59.11	30.0	60.7
30.0	98.4	15.340	59.61	56.0	32.5
35.0	114.8	15.650	60.17	62.0	29.4
40.0	131.2	15.970	60.75	64.0	28.5
45.0	147.6	16.350	61.43	76.0	24.0
50.0	164.0	16.700	62.06	70.0	26.0
55.0	180.4	17.010	62.62	62.0	29.4
60.0	196.8	17.340	63.21	66.0	27.6
65.0	213.2	17.690	63.84	70.0	26.0
70.0	229.6	18.010	64.42	64.0	28.5
75.0	246.0	18.310	64.96	60.0	30.4
80.0	262.4	18.830	65.89	104.0	17.5
85.0	278.8	18.880	65.98	10.0	182.2

average '72

18-44-S21

10/11/72

QUALITY SURVEY

0

100

15

UAE, OREGON

\* 18-44S21

10/11/72

+ 18-41S35

10/12/72

-54-

TEMPERATURE-DEPTH LOG

Hole Name Vale West Twp/Rg/Sec 18S / 45E / 30  
 Company/Owner (address) City of Vale Hole No. 18S 45E 30  
 Map Vale West Drill Depth & Date 180 ft - fall 1976 Zero Elev. 2240  
 Probe, Cable, Bridge PR 43 Operator G L Black  
 Comments \_\_\_\_\_ Date Probed 7 July 1977

Depth meters	Resistance ohms	Temperature °C	$\Delta T/\Delta x$ °C/km	Comments
7 1/2	134.89	12.57		
10	133.52	12.88	124	
12 1/2	132.74	13.06	72	
15	131.66	13.30	96	
17 1/2	131.06	13.45	60	
20	130.19	13.64	76	
22 1/2	129.47	13.80	64	
25	128.50	14.03	92	
27 1/2	127.49	14.26	92	
30	126.72	14.44	72	
32 1/2	125.88	14.64	80	
35	124.95	14.86	88	
37 1/2	124.06	15.07	84	
40	123.30	15.25	72	
42 1/2	122.19	15.51	104	
45	121.34	15.72	84	
47 1/2	120.60	15.90	72	
50	119.71	16.11	84	
52 1/2	119.21	16.24	52	
55	117.55	16.64	160	



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

**WATER WELL REPORT**

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

STATE OF OREGON  
(Please type or print)

State Well No. 18/19  
State Permit No. \_\_\_\_\_

(Do not write above this line)

**(1) OWNER:**

Name Steve Westerberg  
Address Rt. 2 - Vale, Oregon 97915

**(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   
Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(4) PROPOSED USE (check):**

**(5) CASING INSTALLED:**

Threaded  Welded   
" Diam. from 0 ft. to 41 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) PERFORATIONS:**

Perforated?  Yes  No.  
Type of perforator used Factory  
Size of perforations 1/4 in. by 3 in.  
125 perforations from 35 ft. to 40 ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(7) SCREENS:**

Well screen installed?  Yes  No  
Manufacturer's Name \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_ Diameter \_\_\_\_\_ 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, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Boiler test 1 gal./min. with 24 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 65 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Bentonite  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 9 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 4 sacks bentonite sacks  
How was cement grout placed? \_\_\_\_\_  
Was a drive shoe used?  Yes  No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
Dic. 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 Malheur Driller's well number \_\_\_\_\_  
S.E. 1/4 N.E. 1/4 Section 7 T. 18 R. 45 W.M.

Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 39 ft.  
Static level 20 ft. below land surface. Date 10-27-77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6  
Depth drilled 44 ft. Depth of completed well 44 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
Yellow Clay	0	39	
Small Gravel	39	44	

Work started 10-27-77 19 \_\_\_\_\_ Completed 10-27-77 19 \_\_\_\_\_  
Date well drilling machine moved off of well 10-27-77 19 \_\_\_\_\_

**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. J. [Signature] Date 10-27, 1977  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 FACE BROTHERS DRILLING (Type or print)  
Address RT. 2 BOX 371 VALE, OR. 97915  
[Signed] W. J. [Signature] (Water Well Contractor)  
Contractor's License No. 564 Date 10-27-77, 19 \_\_\_\_\_

**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.

**RECEIVED**

**STATE OF OREGON**  
(Please type or print)

State Well No. 18/4  
State Permit No. \_\_\_\_\_

JAN 24 1979

(Do not write above this line)

**(1) OWNER:** SALEM, OREGON  
Name Kenreth Zimmerschied  
Address Wale, Oregon 97918

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

**(3) TYPE OF WELL:** Rotary  Cable  Dug  Driven  Jetted  Bored   
**(4) PROPOSED USE (check):** Domestic  Industrial  Municipal  Irrigation  Test Well  Other

**(5) CASING INSTALLED:** Threaded  Welded   
6 " Diam. from 0 ft. to 24 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " " "  
" " " " " " "  
Bailer test 7 gal./min. with 260 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 60 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:** Well seal—Material used Bentonite  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of bentonite used in well seal 4 sacks  
How was sealant placed? Pressure grouted

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 Malheur Driller's well number \_\_\_\_\_  
N.W. 1/4 N.W. 1/4 Section 7 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**  
Depth at which water was first found 120 ft.  
Static level 4 ft. below land surface. Date 12-15-78  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:** Diameter of well below casing 6  
Depth drilled 265 ft. Depth of completed well 265 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
Brown Clay	0	15	
Small gravel	15	17	
Blue Clay	17	265	

Work started 12-10-78 19 \_\_\_\_\_ Completed 12-15-78 19 \_\_\_\_\_  
Date well drilling machine moved off of well 12-15-78 19 \_\_\_\_\_

**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] Winfred Page Date 12-15-78  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAGE PROS. DRILLING (Type or print)  
(Person, firm or corporation)  
Address Rt. 2 - Box 371 - VALE, OREGON 97918  
[Signed] Winfred Page (Water Well Contractor)  
Contractor's License No. 564 Date 12-15-78, 19 \_\_\_\_\_

# WATER WELL REPORT

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

**STATE OF OREGON**  
(Please type or print)

(Do not write above this line)

State Well No. 18414  
State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Joseph Hattnett  
Address 1010 Oregon 97318

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
" Diam. from 0 ft. to 60 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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 yes, by whom? \_\_\_\_\_

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

" \_\_\_\_\_ " \_\_\_\_\_ " \_\_\_\_\_ "

" \_\_\_\_\_ " \_\_\_\_\_ " \_\_\_\_\_ "

Bailer test \_\_\_\_\_ gal./min. with 55 ft. drawdown after 1 hrs.

Artesian flow \_\_\_\_\_ g.p.m.

Temperature of water 63 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Bentonite

Well sealed from land surface to 18 ft.

Diameter of well bore to bottom of seal 0 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 4 sacks Bentonite 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 Malheur Driller's well number \_\_\_\_\_

S. E. 1/4 Section 12 T. 18 R. 45 W.M. \_\_\_\_\_

Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 90 ft.

Static level 60 ft. below land surface. Date 10-28-77

Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 120 ft. Depth of completed well 120 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
<u>Sandy Soil</u>	<u>0</u>	<u>55</u>	
<u>Yellowish Clay</u>	<u>55</u>	<u>115</u>	
<u>Pea Gravel</u>	<u>115</u>	<u>120</u>	

Work started 10-28-77 19 \_\_\_\_\_ Completed 10-28-77 19 \_\_\_\_\_

Date well drilling machine moved off of well 10-28-77 19 \_\_\_\_\_

**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] [Signature] Date 10-28-77

(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING

(Person, firm or corporation) (Type or print)

Address RT. 2 BOX 371 VALE, OREGON

[Signed] [Signature]

(Water Well Contractor)

Contractor's License No. 564 Date 10-28-77, 19 \_\_\_\_\_

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

STATE OF OREGON  
(Please type or print)

(Do not write above this line)

State Well No. 185/44E-13 bb  
State Permit No. \_\_\_\_\_

## (1) OWNER:

Name DAVE ADALSON  
Address BOX 33 VALE, OREGON 97918

## (2) TYPE OF WORK (check):

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

## (3) TYPE OF WELL:

Rotary  Cable  Dug   
Driven  Jetted  Bored

## (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

## (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 36 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

## (6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " "  
" " " "  
Bailer test 50 gal./min. with 70 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 58 Depth artesian flow encountered ft.

## (9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 31 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 8 sacks  
How was cement grout placed?  
Pressure Grouted  
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 WALHEUR Driller's well number \_\_\_\_\_  
NW 1/4 NW 1/4 Section 13 T. 18 R. 44 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

## (11) WATER LEVEL: Completed well.

Depth at which water was first found 80 ft.  
Static level 36 ft. below land surface. Date 3/28/80  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

## (12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 100 ft. Depth of completed well 100 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
Yellow Clay	0	12	
Cemented Gravel	12	30	
Yellow Clay	30	80	36
Fractured soft sandstone	80	100	

Work started 3/28/80 Completed 3/28/80  
Date well drilling machine moved off of well 3/28/80

### 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] Winfred Page Date 3/31/80  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address RT 2 BOX 371 VALE, OREGON 97918  
[Signed] Winfred Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 3/31/80



NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

State Well No. 185/45E-15

State Permit No. \_\_\_\_\_

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

(Do not write above this line)

(1) OWNER:

Name Clark Hillman  
Address W. Oregon

(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   
Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) CASING INSTALLED:

Threaded  Welded

6" Diam. from 1 ft. to 37 ft. Gage 14  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

(6) 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?

d: \_\_\_\_\_ gal./min with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

" " " " " "

" " " " " "

Bailer test no water 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 Bentonite

Well sealed from land surface to 8-30 ft.

Diameter of well bore to bottom of seal 8 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal \_\_\_\_\_ sacks

Number of sacks of bentonite used in well seal 1 sacks

Brand name of bentonite TEAGUE

Number of pounds of bentonite per 100 gallons \_\_\_\_\_

of water 400# lbs./100 gals.

Was a drive shoe used?  Yes  No Plugs None 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 WALTON Driller's well number \_\_\_\_\_  
NE 1/4 NW 1/4 Section 15 T. 18S R. 45E W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

(11) WATER LEVEL: Completed well.

Depth at which water was first found None ft.

Static level 70-76 ft. below land surface. Date \_\_\_\_\_

Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 370 ft. Depth of completed well 380 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 Heavy	0	3	
CLAY SANDY	3	13	
GRAVEL CEMENTED	13	25	
CLAY Yellow	25	63	
CLAY Blue	63	380	
SCAPSTONE	380	390	
CALINA NOT PRACTICAL to CASE.			
WELL ABANDONED NO WATER			

Work started 4-17 1976 Completed 4-22 1976

Date well drilling machine moved off of well 4-23 1976

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] Clark Hillman Date 5-13, 1976  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 100

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. Howay Drilling Co  
(Person, firm or corporation) (Type or print)

Address ONTARIO CRE

[Signed] Clark Hillman  
(Water Well Contractor)

Contractor's License No. 16 Date 5-12, 1976

**WATER WELL REPORT**

STATE OF OREGON

State Well No. ....

(Please type or print)

State Permit No. ....

(Do not write above this line)

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

**(1) OWNER:**

Name Jack Walker  
Address Wale Oregon

**(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:**

Threaded  Welded   
6" Diam. from 1 ft. to 50 ft. Gage 14  
" 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 DRILLER  
Yield: 10 gal./min. with 180' ft. drawdown after 2 hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 62° Depth artesian flow encountered ..... ft.

**(9) CONSTRUCTION:**

Well seal—Material used BENTONITE  
Well sealed from land surface to 28 ft.  
Diameter of well bore to bottom of seal 6 8 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal ..... sacks  
Number of sacks of bentonite used in well seal 1 sacks  
Brand name of bentonite TRAGUE  
Number of pounds of bentonite per 100 gallons of water 700# 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 MALHEUR Driller's well number .....  
SW 1/4 NW 1/4 Section 15 T. 18S R. 45E W.M.  
Bearing and distance from section or subdivision corner .....

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 130 ft.  
Static level 130 ft. below land surface. Date 12-6-76  
Artesian pressure ..... lbs. per square inch. Date .....

**(12) WELL LOG:**

Diameter of well below casing 6  
Depth drilled 342 ft. Depth of completed well 342 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
FILL DIRT	0	2	
CLAY BENTONITE	2	75	
CLAY BLUE	75	130	
SAND STRIP	130	131	130
CLAY BLUE STICKY	131	300	130
CLAY SANDY	300	340	130
SANDY CLAY	340	342	130

Work started 11-29 1976 Completed 12-6 1976  
Date well drilling machine moved off of well 12-6 1976

**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] Max Holloway Date 12-18, 1976  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 100

**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 Holloway Drilling Co  
(Person, firm or corporation) (Type or print)

Address ONTARIO ORE

[Signed] Max Holloway  
(Water Well Contractor)

Contractor's License No. 16 Date 12-18, 1976

**WATER WELL REPORT**

STATE OF OREGON

(Please type or print)

(Do not write above this line)

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

State Well No. 185 / 45 E-15  
State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name E. Lynn Helman  
Address 1111 N. Oregon

**(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   
P  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 71 ft. to 91 ft. Gage 14  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?

ft. gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 5 gal./min. with 29.5 ft. drawdown after 2 hrs.

Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 63.5 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used BENTONITE  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 8 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 sacks  
Number of sacks of bentonite used in well seal 1 sacks  
Brand name of bentonite TRACUE  
Number of pounds of bentonite per 100 gallons of water 400# lbs./100 gals.  
Was a drive shoe used?  Yes  No Plug 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 MALHEUR Driller's well number \_\_\_\_\_  
NE 1/4 NW 1/4 Section 15 T. 185 R. 95 E W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 380 ft.  
Static level 10.5 ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 400 ft. Depth of completed well 400 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 HEAVY	0	3	
CLAY BROWN	3	8	
GRAVEL CEMENTED	8	20	
CLAY BROWN	20	60	
CLAY BLUE	60	380	
SAND BLACK	380	381	380
CLAY BLUE	381	386	380
SOAPSTONE	386	388	10.5
CLAY BLUE	388	400	10.5

Work started 4-22 1976 Completed 4-30 1976  
Date well drilling machine moved off of well 4-30 1976.

**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] Max Holloway Date 5-13, 1976  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 100

**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 HOLLOWAY DRILLING CO  
(Person, firm or corporation) (Type or print)

Address CANTON, OREGON

[Signed] Max Holloway  
(Water Well Contractor)

Contractor's License No. 16 Date 5-18, 1976.

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

WATER WELL REPORT

STATE OF OREGON

State Well No. ....

STATE ENGINEER, SALEM, OREGON 97310

within 30 days from the date of well completion.

(Please type or print)

State Permit No. ....

(1) OWNER:

Name: Philip Helen
Address: 5617 W. Belmont Ave
Glenora, Arizona 85301

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [ ] Cable [ ] Auger [ ]
Driven [ ] Jetted [ ] Bored [ ]

(4) PROPOSED USE (check):

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

CASING INSTALLED:

3/4" Diam. from 0 ft. to 39 ft. Gage 250
Diam. from ... ft. to ... ft. Gage ...
Diam. from ... ft. to ... ft. Gage ...

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.

(7) SCREENS:

Well screen installed? [ ] Yes [X] 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?
Field gal./min. with ... ft. drawdown after ... hrs.

Baker test 14 gal. HOUR with 150 ft. drawdown after 1 hrs.
Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ... ft.

(9) CONSTRUCTION:

Well seal—Material used Drilling mud
Well sealed—from land surface to 19 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal ... sacks
Number of sacks of bentonite used in well seal 2 sacks
Brand name of bentonite Best supply
Number of pounds of bentonite per 100 gallons of water ... lbs./100 gals.
Was a drive shoe used? [X] Yes [ ] No Plugs ... Size: location ... ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? ... depth of strata ...
Method of sealing strata off ...
Was well gravel packed? [ ] Yes [X] No Size of gravel: ...
Gravel placed from ... ft. to ... ft.

(10) LOCATION OF WELL:

County Multnomah Driller's well number ...
W 1/2 SW 1/4 Section 16 T. 18 R. 45 W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 20 ft.
Static level 20 ft. below land surface. Date 6/13/70
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6
Depth drilled 315 ft. Depth of completed well 315 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.

Table with columns: MATERIAL, From, To, SWL. Rows include: top soil, sandy clay, med. sand, sandy blue shal, blue shal sticky, hard blue sandstone, blue shale.

Work started 6/13 1970 Completed 6/15 1970
Date well drilling machine moved off of well 6/15 1970

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. J. Payne Date 6/16, 1970
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 Guy S. Hysell & Son, Inc. Date 6/16, 1970
(Person, firm or corporation) (Type or print)

Address 365 N. M. Lake Ave

[Signed] Guy S. Hysell
(Water Well Contractor)

Contractor's License No. 396 Date 6/16, 1970

# WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

(Do not write above this line)

State Well No. 183/VE-182A  
State Permit No. \_\_\_\_\_

### (1) OWNER:

Name LELAND ANDERSON  
Address VALE, OREGON 97218

### (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   
Dig  Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 50 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

### (6) 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 12 gal./min. with 200 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 68 Depth artesian flow encountered \_\_\_\_\_ ft.

### (9) CONSTRUCTION:

Well seal - Material used CEMENT  
 Well sealed from land surface to 50 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 8 sacks  
How was cement grout placed?  
PRESSURE GROUTED  
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 MALHEUR Driller's well number \_\_\_\_\_  
SE 1/4 SE 1/4 Section 18 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 360 ft.  
Static level 70 ft. below land surface. Date 5/29/79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing 6  
Depth drilled 370 ft. Depth of completed well 370 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
CEMENTED GRAVEL	0	14	
MEDIUM GRAVEL	14	18	
YELLOW CLAY	18	36	
SMALL GRAVEL	36	45	
BROWN CLAY	45	71	
BLUE CLAY	71	80	
SANDY CLAY BLUE	80	83	
BLUE CLAY	83	360	70
BLUE SHALE	360	368	
BLUE CLAY	368	370	

**RECEIVED**  
OCT 25 1979  
WATER RESOURCES DEPT  
SALEM, OREGON  
JAMES T. ...  
SALEM, OREGON

Work started 5/25/79 Completed 5/25/79  
Date well drilling machine moved off of well 5/26/79

### 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. Infield Page Date 6-10, 1979  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address RT 2 BOX 371 OREGON 97218  
[Signed] W. Infield Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 6-10, 1979

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

# WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

(Do not write above this line)

State Well No. RS/12/72

State Permit No. \_\_\_\_\_

### (1) OWNER:

Name IRVING ANDERSON  
Address 177 1/2 BIRCH ST. BOX 229  
VALLE, OREGON 97153

### (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

### (5) CASING INSTALLED:

Threaded  Welded

\_\_\_\_\_ " Diam. from \_\_\_\_\_ 0 ft. to \_\_\_\_\_ 23 ft. Gage \_\_\_\_\_ 250  
\_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
\_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

### (6) 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " " " "  
" " " " " " " "  
Bailer 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 Cement  
Well sealed from land surface to \_\_\_\_\_ 23 ft. ft.  
Diameter of well bore to bottom of seal \_\_\_\_\_ 10 in. in.  
Diameter of well bore below seal \_\_\_\_\_ 3 in. in.  
Number of sacks of cement used in well seal \_\_\_\_\_ 3 sacks  
How was cement grout placed? \_\_\_\_\_  
Pressure Grouted

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 WALHEUR Driller's well number \_\_\_\_\_  
1/4 1/4 NE 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

### (11) WATER LEVEL: Completed well.

Depth at which water was first found \_\_\_\_\_ 360 ft.  
Static level \_\_\_\_\_ 50 ft. below land surface. Date 10/17/73  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing \_\_\_\_\_ 6"

Depth drilled \_\_\_\_\_ 370 ft. Depth of completed well \_\_\_\_\_ 370 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
Yellow Clay	0	3	
Hard Clay & Gravel	3	10	
Medium Gravel	10	23	
Blue Clay	23	360	50
Sandy Blue Clay	360	366	
Blue Clay	366	370	

Work started \_\_\_\_\_ 10/17/1973 Completed \_\_\_\_\_ 10/17/1973  
Date well drilling machine moved off of well \_\_\_\_\_ 10/17/1973

### 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. J. Page Date 10/24/73  
Drilling Machine Operator

Drilling Machine Operator's License No. \_\_\_\_\_ 65

### 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 \_\_\_\_\_ PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address \_\_\_\_\_ 1/2 BOX 371 VALLE, OREGON 97150

[Signed] W. J. Page  
(Water Well Contractor)

Contractor's License No. \_\_\_\_\_ 564 Date \_\_\_\_\_ 10/24/1973

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

# WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 135451

State Permit No.

APR 27 1978

WATER RESOURCES DEPT.

### (1) OWNER:

Name Herb Roy  
Address Vale, Oregon 97918

### (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

### (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 20 ft. Gage 250  
" Diam. from " ft. to " ft. Gage  
" Diam. from " ft. to " ft. Gage

### (6) 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?

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

Bailer test 12 gal./min. with 197 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 56 Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used Bentonite  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of bentonite used in well seal 3 sacks  
How was bentonite grout placed? Pressured Grouted

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 Malheur Driller's well number  
S.W. 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 170 ft.  
Static level 115 ft. below land surface. Date 4-15-78  
Artesian pressure lbs. per square inch. Date

### (12) WELL LOG:

Diameter of well below casing 6  
Depth drilled 312 ft. Depth of completed well 312 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
Gravelly Clay	0	5	
Cemented Gravel	5	12	
Loose Med. Gravel	12	18	
Yellow Clay	18	104	
Blue Clay	104	170	
Sandy Blue Clay	170	173	
Blue Clay	173	294	
Sandy Blue Clay	294	298	
Sticky Blue Clay	298	312	

Work started 4-13-78 19 Completed 4-15-78 19

Date well drilling machine moved off of well 4-15-78 19

### 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. J. Page Date 4-15-78 19  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

### 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 PAGE BROS. DRILLING  
(Person, firm or corporation) (Type or print)

Address RT. 2, Box 371, Vale, Oregon 97918

[Signed] W. J. Page  
(Water Well Contractor)

Contractor's License No. 564 Date 4-15-78 19

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 97310  
within 30 days from the date  
of well completion.

STATE OF OREGON STATE ENGINEER

(Please type or print)

(Do not write above this line)

State Well No. \_\_\_\_\_

State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Herbert Roy  
Address Ranch, Vale, Oregon

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 1 ft. to 21 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
Flow: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 13 1/2 gal./min. with 60 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 56 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 13 ft.  
Diameter of well bore to bottom of seal \_\_\_\_\_ in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal \_\_\_\_\_ 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 Malheur Driller's well number \_\_\_\_\_  
SUWAKE Section 19 T. 18S R. 45E W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found between 128 & 130 ft.  
Static level 115 ft. below land surface. Date 6-13-73  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6"

Depth drilled 175 ft. Depth of completed well 175 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
Gravelly Soil	0	2	
Lime Deposit	2	4	
Cemented Gravel	4	8	
Gravel (dry)	8	17	
Brown Sticky Clay	17	28	
Reddish, brn. sandy clay	28	34	
Brown Clay	34	104	
Blue Sticky Clay	104	113	
Blue Shale (Med. Soft)	113	123	
Gravelly Blue Clay	123	128	
Broken, soft, Blue sandstone			
W/B	128	130	
Dark Blue Gravelly Clay	130	165	
Blue Sandstone W/B	165	172	
Sticky Blue Clay	172	175	

Work started 6-13-73 19 Completed 6-13-73 19  
Date well drilling machine moved off of well 6-13-73 19

**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] Winifred Page Date 6-13-73 19.  
(Drilling Machine Operator) License No. 65

**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 PAGE ERIC DRILLING  
(Person, firm or corporation) (Type or print)  
Address RT. 2- BOX 371- VALE, OREGON 97918  
[Signed] Winifred Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 6-13-73 19.



NOTICE TO WATER WELL CONTRACTOR

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

RECEIVED

WATER WELL REPORT

WATER RESOURCES DEPARTMENT

SALEM, OREGON 97310

within 30 days from the date of well completion.

NOV 2 1978

(Please type or print)

(Do not write above this line)

WATER RESOURCES DEPT

State Well No. 185/450-1121

State Permit No.

(1) OWNER:

SALEM, OREGON

Name TROY JONES

Address V. L. OREGON 97918

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

6" Diam. from 0 ft. to 45 ft. Gage 250

(6) PERFORATIONS:

Perforated? [X] Yes [ ] No.

Type of perforator used FACTORY Size of perforations 3/16 by 3 in. 144 perforations from 41 ft. to 45 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [X] No If yes, by whom? Yield gal./min. with ft. drawdown after hrs. Bailer test 25 gal./min. with 22 ft. drawdown after 1 hrs.

(9) CONSTRUCTION:

Well seal--Material used BENTONITE Well sealed from land surface to 35 ft. Diameter of well bore to bottom of seal 9 in. Diameter of well bore below seal 6 in. Number of sacks of cement used in well seal 2 sacks

Was a drive shoe used? [X] 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 [X] No Size of gravel: Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County MALHEUR Driller's well number SE 1/4 NE 1/4 Section 19 T. 18 R. 45 W.M. Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 35 ft. Static level 23 ft. below land surface. Date 6-28-77 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6 Depth drilled 52 ft. Depth of completed well 52 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.

Table with 4 columns: MATERIAL, From, To, SWL. Rows include CALECHE, GRAVELLY SOIL, GRAVEL (DRY), GRAVEL & SAND W/B, GRAVELLY SLAY.

Work started 6-27-77 19 Completed 6-28-77 19 Date well drilling machine moved off of well 6-28-77 19

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] Andrew Page Date 6-28-77, 19 (Drilling Machine Operator)

Drilling Machine Operator's License No. 729

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 PAGE BROS. DRILLING (Person, firm or corporation) (Type or print)

Address RT. 2 BOX 371 VALE, OREGON 97918

[Signed] (Water Well Contractor)

Contractor's License No. 564 Date 6-28-77, 19

WATER RESOURCES DEPARTMENT. **NOV 2 1978** STATE OF OREGON  
 SALEM, OREGON 97310 (Please type or print)

State Well No. 183/45E-14  
 State Permit No. \_\_\_\_\_

within 30 days from the date of well completion. **WATER RESOURCES DEPT.**  
 SALEM, OREGON *NC*

**(1) OWNER:**

Name WILLIAM BONNELL  
 Address VALE, OREGON 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
 " Diam. from 0 ft. to 19 ft. Gage 250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
 Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 " " " " " "  
 " " " " " "  
 Bailer test 25 gal./min. with 100 ft. drawdown after 1 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m.  
 Temperature of water 54 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal--Material used BENTONITE  
 Well sealed from land surface to 19 ft.  
 Diameter of well bore to bottom of seal 9 in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal 1 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 MALHEUR Driller's well number \_\_\_\_\_  
SE 1/4 NE 1/4 Section 19 T. 18 R. 45 W.M.  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 52 ft.  
 Static level 53 ft. below land surface. Date 5-24-77  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6  
 Depth drilled 167 ft. Depth of completed well 167 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	
CALECHE	4	5	
CEMENTED GRAVEL	5	7	
GRAVEL & SAND (DRY)	7	18	
BROWN STICKY CLAY	18	52	
BROWN SAND W/B	52	53	53
SOFT BROWN SANDSTONE	53	58	
BLUE CLAY	58	76	
SOFT BLUE SANDSTONE	76	90	
STICKY BLUE CLAY	90	108	
BLUE SHALE	108	159	
BLUE SAND	159	160	
BLUE CLAY	160	167	

Work started 5-23-77 19 Completed 5-25-77 19  
 Date well drilling machine moved off of well 5-25-77 19

**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] William Page Date 5-25-77  
 (Drilling Machine Operator)  
 Drilling Machine Operator's License No. 729

**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 PAGE BROS. DRILLING  
 (Person, firm or corporation) (Type or print)  
 Address RT. 2 BOX 371 VALE, OREGON 97918  
 [Signed] William Page  
 (Water Well Contractor)  
 Contractor's License No. 564 Date 5-25-77 19

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

RECEIVED  
JAN 24 1979  
WATER RESOURCES DEPT  
SALEM, OREGON

WATER WELL REPORT  
STATE OF OREGON  
(Please type or print)  
(Do not write above this line)

State Well No. \_\_\_\_\_  
State Permit No. \_\_\_\_\_

(1) OWNER:

Name Elvard Roy  
Address Wale, Oregon 97913

(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

(5) CASING INSTALLED:

6" Diam. from 0 ft. to 54 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

(6) 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?  
Yield \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 5 gal./min. with 175 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 68 Depth artesian flow encountered \_\_\_\_\_ ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite  
Well sealed from land surface to 13 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal \_\_\_\_\_ in.  
Number of sacks of bentonite cement used in well seal 5 sacks  
How was bentonite grout placed? pressure grouted

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 Wallowa Driller's well number \_\_\_\_\_  
S. E. 1/4 Section 19 T. 18 R. 45 W.M. \_\_\_\_\_  
Bearing and distance from section or subdivision corner \_\_\_\_\_

(11) WATER LEVEL: Completed well.

Depth at which water was first found 110 ft.  
Static level 140 ft. below land surface. Date 12-23-78  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG:

Diameter of well below casing 6  
Depth drilled 315 ft. Depth of completed well 315 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
Fine clay	0	3	
cemented gravel	3	20	
yellow clay	20	34	
sea gravel	34	48	
yellow clay	48	70	
blue clay	70	315	

Work started 12-21-78 19 \_\_\_\_\_ Completed 12-23-78 19 \_\_\_\_\_  
Date well drilling machine moved off of well 12-29-78 19 \_\_\_\_\_

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. J. P. [Signature] Date 12-23, 1978.  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 PAGE BROS. DRILLING  
(Person, firm or corporation) (Type or print)

Address Rt. 2, Box 371, Wale, Oregon 97918

[Signed] W. J. P. [Signature]  
(Water Well Contractor)

Contractor's License No. 564 Date 12-23-78, 19 \_\_\_\_\_

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

# WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. \_\_\_\_\_  
State Permit No. \_\_\_\_\_

(Do not write above this line)

### (1) OWNER:

Name \_\_\_\_\_  
Address \_\_\_\_\_

### (2) TYPE OF WORK (check):

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

### (3) TYPE OF WELL:

Rotary  Cable  Dug   
Driven  Jetted  Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) CASING INSTALLED:

Threaded  Welded   
" Diam. from 2 ft. to 3 3/4 ft. Gage 2.50  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

### (6) 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?  
Flow: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test \_\_\_\_\_ gal./min. with 10 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water \_\_\_\_\_ Depth artesian flow encountered \_\_\_\_\_ ft.

### (9) CONSTRUCTION:

Well seal—Material used \_\_\_\_\_  
Well sealed from land surface to \_\_\_\_\_ ft.  
Diameter of well bore to bottom of seal \_\_\_\_\_ in.  
Diameter of well bore below seal \_\_\_\_\_ in.  
Number of sacks of cement used in well seal \_\_\_\_\_ 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 Willamette Driller's well number \_\_\_\_\_  
SE 1/4 NE 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

### (11) WATER LEVEL: Completed well.

Depth at which water was first found \_\_\_\_\_ ft.  
Static level 20 ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing \_\_\_\_\_  
Depth drilled 270 ft. Depth of completed well 25 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
<u>Top soil</u>	<u>0</u>	<u>2</u>	
<u>Clay</u>	<u>2</u>	<u>4</u>	
<u>Gravel</u>	<u>4</u>	<u>14</u>	
<u>Green clay</u>	<u>14</u>	<u>18</u>	
<u>Blue clay</u>	<u>18</u>	<u>25</u>	
<u>Blue clay</u>	<u>29</u>	<u>270</u>	

Work started 9-22 1977 Completed 9-23 19  
Date well drilling machine moved off of well 9-24 19

### 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] Alvin Bellamy Date 9-23, 19\_\_\_\_  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 6.5

### 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 Page Bros. Drilling (Person, firm or corporation) (Type or print)  
Address Rt. 2, Box 371, Vale, Ore

[Signed] \_\_\_\_\_  
(Water Well Contractor)

Contractor's License No. 569 Date 9-23, 19\_\_\_\_

### WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. 185/458-196  
State Permit No. \_\_\_\_\_

(Do not write above this line)

**(1) OWNER:**

Name Don Vanderwege  
Address Vale, Oregon 97918

**(2) TYPE OF WORK (check):**

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

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 0 ft. to 24 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

**(6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 20 gal./min. with 60 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 59 Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 23 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 6 sacks  
How was cement grout placed?  
Pressured Grouted  
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 Walheur Driller's well number \_\_\_\_\_  
SW 1/4 NW 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 75 ft.  
Static level 30 ft. below land surface. Date 8/13/79  
Artesian pressure lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6"  
Depth drilled 100 ft. Depth of completed well 100 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
Fine sand Stone	0	19	
yellow Clay	19	75	
sand Stone & Clay	75	100	

Work started 8/13 19 79 Completed 8/13/ 19 79  
Date well drilling machine moved off of well 8/14/ 19 79

**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. J. Hill Date 9-24 1979  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 Page Bros. Well Drilling  
(Person, firm or corporation) (Type or print)  
Address rt 2 Box 371 Vale, Oregon 97918  
[Signed] W. J. Hill  
(Water Well Contractor)  
Contractor's License No. 564 Date 9-24 1979

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.

WATER WELL REPORT

RECEIVED

JUL 28 1978

STATE OF OREGON

(Please type or print)

Date above this line

State Well No. \_\_\_\_\_  
 State Permit No. 185/45E-196

WATER RESOURCES DEPT  
 SALEM, OREGON

(1) OWNER:

Name Henry J. Prof  
 Address 49918

(10) LOCATION OF WELL:

County Wallowa Driller's well number \_\_\_\_\_  
 Section 19 T. 15 R. 11 W.M. \_\_\_\_\_  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

(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   
 Aug  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
 Irrigation  Test Well  Other

(11) WATER LEVEL: Completed well.

Depth at which water was first found 4.3 ft.  
 Static level 4.8 ft. below land surface. Date 7-21-76  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG:

Diameter of well below casing 6  
 Depth drilled 200 ft. Depth of completed well 200 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	3	
Cemented gravel	3	18	
Med. coarse gravel	18	31	
Yellow clay	31	4.3	
fine sand	4.3	4.8	
blue clay	4.8	6.5	
sandy blue clay	6.5	200	

Work started 7-20 1976 Completed 7-21 1976  
 Date well drilling machine moved off of well 7-21 1976

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] Wynfield Page Date 7-23, 1976  
 (Drilling Machine Operator)

Drilling Machine Operator's License No. 6.5

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 PAE Bros Drilling  
 (Person, firm or corporation) (Type or print)

Address Rt. 2 - Box 371 Vale, Ore.

[Signed] Wynfield Page  
 (Water Well Contractor)

Contractor's License No. 564 Date 7-23, 1976

CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 51 ft. Gage 2.50  
 " 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?  
 Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 " " " " " " " " " " " "  
 " " " " " " " " " " " "  
 Baller test 7 gal./min. with 15' ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ g.p.m.

Temperature of water 54 Depth artesian flow encountered \_\_\_\_\_ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement  
 Well sealed from land surface to 18 ft.  
 Diameter of well bore to bottom of seal \_\_\_\_\_ in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal \_\_\_\_\_ 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.

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

# WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

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

State Well No.                     

State Permit No.                     

**(1) OWNER:**

Name Archie W. Page  
Address Rt. 1- Box 128A. Vale, Oregon

**(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   
 Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
" Diam. from 2 1 ft. to 3 9 ft. Gage .250  
" Diam. from            ft. to            ft. Gage             
" Diam. from            ft. to            ft. Gage           

**(6) PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used                     

Size of perforations	in.	by	in.
perforations from <u>          </u> ft. to <u>          </u> ft.			
perforations from <u>          </u> ft. to <u>          </u> ft.			
perforations from <u>          </u> ft. to <u>          </u> 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?                     

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

" " " " " "

" " " " " "

Bailer test 20 gal./min. with 43 ft. drawdown after 1 hrs.

Artesian flow            g.p.m.

Temperature of water 56. Depth artesian flow encountered            ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement 19

Well sealed from land surface to            ft.

Diameter of well bore to bottom of seal 8 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 1 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 Malheur Driller's well number             
N.E 1/4 S. 1/4 Section 19 T18S R. 45E W.M.

Bearing and distance from section or subdivision corner                     

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 22 to 23 ft.

Static level 32 22 ft. below land surface. Date 5-7-73

Artesian pressure            lbs. per square inch. Date           

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 210 ft. Depth of completed well 210 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	2	
Consolidated lime deposit	2	5	
Cemented Gravel (hard)	5	10	
Large med. gravel & Sand	10	17	<del>17</del>
Hard Brown Clay	17	22	
Sand w/B	22	23	21
Soft, brown, sandy clay	23	34	
Blue Shale	34	50	
Hard Blue Sandstone (fine)	50	82	
Blue Green Clay	82	192	
Blue fine Sand w/B	192	193	32
Blue Clay	193	205	
Blue & White Sand w/B	205	210	

Work started 5-5 19 73 Completed 5-7- 19 73

Date well drilling machine moved off of well 5-7 19 73

**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] Walter B. Page Date 5-7, 19 73

(Drilling Machine Operator)

Drilling Machine Operator's License No. # 65

**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 PAGE BROTHERS DRILLING

(Person, firm or corporation) (Type or print)

Address RT. 2- BOX 371 VALE, OREGON 97918

[Signed] Walter B. Page

(Water Well Contractor)

Contractor's License No. # 564 Date 5-7- 19 73

NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print) (Do not write above this line)

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

State Well No. 18/45-19 N

State Permit No.

(1) OWNER:

Name GEORGE RUSSELL Address

(2) TYPE OF WORK (check):

New Well [checked] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

Threaded [ ] Welded [checked]

5" Diam. from 0 ft. to 37 ft. Gage 1/4

" Diam. from " ft. to " ft. Gage

" Diam. from " ft. to " ft. Gage

PERFORATIONS:

Perforated? [checked] Yes [ ] No [ ]

Type of perforator used TURCOT Size of perforations 5/8 in. by 1/8 in. 56 perforations from 91 ft. to 37 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [checked] No [ ]

Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 20 ft. below land surface Date 9-27-67

Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [checked] No [ ] If yes, by whom? g.p.m. with ft. drawdown after hrs. Bailer test 30 gal./min. with 6 ft. drawdown after 2 hrs.

(10) CONSTRUCTION:

Well seal—Material used Bentonite Depth of seal 20 ft. Diameter of well bore to bottom of seal 1.6 in. Were any loose strata cemented off? [ ] Yes [checked] No [ ]

(11) LOCATION OF WELL:

County MALHEUR Driller's well number SW 1/4 SW 1/4 Section 19 T. 18 S. R. 45 E W.M. Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 50 ft. Depth of completed well 50 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated.

Table with columns: MATERIAL, From, To, SWL. Rows include: SOIL SANDY (0-3), CLAY YELLOW (3-14), GRAVEL CEMENTED (14-20), GRAVEL & MEDIUM (20-35), CLAY BLUE (35-50).

Work started 9-25 1967 Completed 9-27 1967 Date well drilling machine moved off of well 9-27 1967

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] Joe Nailon (Drilling Machine Operator) Date 10-24, 1967

Drilling Machine Operator's License No. 109

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 HALLWAY DRILLING CO (Person, firm or corporation) (Type or print)

Address CANTABIL CREEK

[Signed] Max Hallway (Water Well Contractor)

Contractor's License No. 16 Date 10-22, 1967



NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON (Please type or print)

State Well No. 18/45-19 N

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

State Permit No.

(1) OWNER:

Name GEORGE RUSSELL Address LALE CREEK

(2) LOCATION OF WELL:

County MALHEUR Driller's well number SW 1/4 SW 1/4 Section 19 T. 18S R. 45E W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

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

(4) PROPOSED USE (check):

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

(5) TYPE OF WELL:

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

(6) CASING INSTALLED:

6" Diam. from 1' ft. to 38' ft. Gage 4" Threaded [ ] Welded [x]

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

(9) CONSTRUCTION:

Well seal—Material used in seal BENTONITE Depth of seal 30 ft. Was a packer used? CEMENT Diameter of well bore to bottom of seal 8 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 [ ] No Type of water? depth of strata Method of sealing strata off

(10) WATER LEVELS:

Static level 50 ft. below land surface Date 5-16-67 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 [x] No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test 30 gal./min. with 20 ft. drawdown after 1 hrs. Artesian flow g.p.m. Date Temperature of water 58 Was a chemical analysis made? [ ] Yes [x] No

(12) WELL LOG:

Diameter of well below casing 5 3/4 Depth drilled 224 ft. Depth of completed well 224 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: SIL SANDY (6-3), CLAY YELLOW (3-14), GRAVEL CEMENTED (14-37), CLAY BLUE (37-200), SAND STRIP WATER (200-201), CLAY BLUE (201-222), SAND BLUE WATER (222-224)

Work started 5-11 1967 Completed 5-16 1967 Date well drilling machine moved off of well 5-16 1967

(13) PUMP:

Manufacturer's Name NO PUMP YET 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 HOLLOWAY DRILLING CO. (Person, firm or corporation) (Type or print)

Address ONTARIO CRE

Drilling Machine Operator's License No. 100

[Signed] Max Holloway (Water Well Contractor)

Contractor's License No. 16 Date 5-17 1967





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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 18.5/45E-19cd

State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Robert J. Miles  
Address Rt. 2- Vale, Oregon 97918

**(2) TYPE OF WORK (check):**

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL: (4) PROPOSED USE (check):**

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

**(5) CASING INSTALLED:** Threaded  Welded   
6" Diam. from 0 ft. to 34 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) PERFORATIONS:** Perforated?  Yes  No.  
Type of perforator used Factory  
Size of perforations 1/8 in. by 4 in.  
200 perforations from 30 ft. to 34 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 15 gal./min. with 14 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 55 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**  
Well seal—Material used Cement  
Well sealed from land surface to 30 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 4 sacks  
How was cement grout placed? Pressure Grouted

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 Malheur Driller's well number \_\_\_\_\_  
S.E. 1/4 S.W. 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 26 ft.  
Static level 18 ft. below land surface. Date 5-17-79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:** Diameter of well below casing 0  
Depth drilled 34 ft. Depth of completed well 34 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
Coarse Clay	0	23	
Gravel & Clay	23	26	
Med. Gravel	26	33	
Blue Clay	33	34	

Work started 5-17 19 79 Completed 5-17 19 79  
Date well drilling machine moved off of well 5-17 19 79

**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] Winfield Page Date 5-18, 19 79  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAPE BROTHERS DRILLING (Type or print)  
Address Rt. 2- Box 371- Vale, Oregon 97918  
[Signed] Winfield Page (Water Well Contractor)  
Contractor's License No. 564 Date 5-18, 19 79

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.

**RECEIVED**  
 WATER WELL REPORT  
 STATE OF OREGON  
 AUG 13 1978  
 (Please type or print)  
 (Do not write above this line)

State Well No. 183/45e-1900  
 State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Ross McComb  
 Address Vale, Oregon 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 0 ft. to 26 ft. Gage 250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
 Yield: gal./min. with ft. drawdown after hrs.  
 " " " " "  
 " " " " "  
 Bailer test 40 gal./min. with 18 ft. drawdown after 1 hrs.  
 Artesian flow g.p.m.  
 emperature of water 54 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
 Well sealed from land surface to 18 ft.  
 Diameter of well bore to bottom of seal 10 in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal 1 sacks  
 How was cement grout placed? pressure grouted

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 Malheur Driller's well number \_\_\_\_\_  
S.E. 1/4 S.W. 1/4 Section 19 T. 18 R. 45 W.M.  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 20 ft.  
 Static level 10 ft. below land surface. Date 7-13-78  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6 ft.  
 Depth drilled 28 ft. Depth of completed well 28 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
Fine Clay	0	18	
Small Gravel	18	21	
Fine Clay	21	26	
Med gravel	26	28	

Work started 7-13-78 19 Completed 7-13-78 19  
 Date well drilling machine moved off of well 7-13-78 19

**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] Winfield Page Date 8-6-78, 19\_\_\_\_\_  
 (Drilling Machine Operator)  
 Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
 (Person, firm or corporation) (Type or print)  
 Address RT. 2-BOX 371 VALE OREGON 97918  
 [Signed] Winfield Page  
 (Water Well Contractor)  
 Contractor's License No. 564 Date 8-6-78, 19\_\_\_\_

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

# WATER WELL REPORT

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

**STATE OF OREGON**  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

**(1) OWNER:**

Name CHEE OF VALLI  
Address VALLI, OR 97147 27913

**(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

**(5) CASING INSTALLED:**

Threaded  Welded

....." Diam. from ..... ft. to ..... ft. Gage .....  
....." Diam. from ..... ft. to ..... ft. Gage .....  
....." Diam. from ..... ft. to ..... ft. Gage .....

**(6) PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used WIRELINE  
Size of perforations 3/8 in. by 3 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? OWNER  
Yield: 150 gal./min. with 50 ft. drawdown after 1 hrs.  
" " " " " "  
" " " " " "  
Bailer test 30 gal./min. with 30 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 54 Depth artesian flow encountered ..... ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to 25 ft.  
Diameter of well bore to bottom of seal 16 in.  
Diameter of well bore below seal 16 in.  
Number of sacks of cement used in well seal 27 sacks  
How was cement grout placed? DRILLED  
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 WASCO Driller's well number .....  
1/4 Section 10 T. 10 R. 48 W.M.  
Bearing and distance from section or subdivision corner .....

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 30 ft.  
Static level 18 ft. below land surface. Date 6/11/78  
Artesian pressure ..... lbs. per square inch. Date .....

**(12) WELL LOG:**

Diameter of well below casing 16"

Depth drilled 250 ft. Depth of completed well 250 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
Gravelly Soil	0	23	
Gravel	23	28	
Sandy Brown Clay	28	30	
Gravel & Sand 1/2	30	33	18
Soft Sandy Brown Sand	33	44	
Gravel 1/2	44	50	12
Blue Shale	50	51	
Broken Blue Sandstone 1/2	51	70	18
Fine Blue Sandstone	70	73	
Blue & Gray Sandstone 1/2	73	101	18
Sticky Blue Clay	101	123	
Hard Blue Clay	123	134	
Blue Clay & Blue Sandstone	134	152	
It'l Fine Sandy Clay	152	192	
Blue Clay & Sandstone	192	231	
Gravel	231	234	
Broken Sandstone	234	242	
Hard Blue Shale	242	243	
Sticky Blue Clay	243	250	

Work started 5/21/78 19 Completed 5/14/78 19  
Date well drilling machine moved off of well 6/16/78 19

**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] Loe Archie Loe Date 6/30/78  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 720

**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 Wesley Page (Type or print)  
(Person, firm or corporation)

Address 27913 VALLI, OR 97147

[Signed] Wesley Page (Water Well Contractor)

Contractor's License No. 251 Date 6/30/78, 19.....

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

COPY  
WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

MAY 1 1978

(1) OWNER:

Name CITY OF VALE  
Address VALE, OREGON 97918

(2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary  Cable  Dug   
Driven  Jetted  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) CASING INSTALLED:

Threaded  Welded

6" Diam. from 0 ft. to 50 ft. Gage .250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

(6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 100 gal./min. with 17 ft. drawdown after 2 hrs.  
Artesian flow g.p.m.  
Temperature of water 57 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used PORTLAND CEMENT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 4 bentonite sacks  
How was cement grout placed? MANUAL GROUTING  
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 WALHEUR Driller's well number  
1/4 SE 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 42 ft.  
Static level 25 ft. below land surface. Date 5/11/78  
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 210 ft. Depth of completed well 210 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
Fine Clay & Gravel	0	15	
Medium Sand & Gravel	15	40	
Silt	40	42	
Small Gravel 1/2 30 gpn	42	48	
Blue Clay	48	63	
Silty Blue Clay W/S 5 gpn	63	64	
Blue Clay	64	75	
Sandy Yellow Clay W/S 15	75	80	
Blue Clay	80	88	
Sandy Blue Clay W/S 10 gpn	88	102	
Blue Clay	102	114	
Sandy Blue Clay W/S 15	114	118	
Blue Clay (cavities)	118	135	
White Brittle Clay 15 gpn	135	139	
Blue Clay	139	175	
Sandy Blue Clay W/S 15 gpn	175	176	
Blue Clay (fractured)	176	200	

Work started 5/09/78 19 Completed 5/11/78 19  
Date well drilling machine moved off of well 5/11/78 19

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] /s/ Winfield Pa... Date 6/01/1978  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 PAUL ROBERTSON DRILLING (Type or print)  
(Person, firm or corporation)

Address 102 101 371 VALE, OREGON 97918

[Signed] /s/ Winfield Pa...  
(Water Well Contractor)

Contractor's License No. 564 Date 6/01/78, 19...

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)

Well No. 185/12077

(Do not write above this line)

JUN 5 1978

State Permit No. \_\_\_\_\_

WATER RESOURCES DEPT.

**(1) OWNER:**

Name VALE CITY  
Address CITY HALL - VALE, OREGON 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 0 ft. to 50 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used \_\_\_\_\_

Size of perforations	in.	by	in.
_____ perforations from _____	_____	_____	_____
_____ perforations from _____	_____	_____	_____
_____ perforations from _____	_____	_____	_____

**(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? \_\_\_\_\_

Field:	gal./min. with	ft. drawdown after	hrs.
"	"	"	"
"	"	"	"
Bailer test <u>100</u>	gal./min. with <u>175</u>	ft. drawdown after <u>2</u>	hrs.
Artesian flow	<u>57</u> g.p.m.		
Temperature of water	<u>57</u>	Depth artesian flow encountered _____	ft.

**(9) CONSTRUCTION:**

Well seal—Material used Bentonite  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 4 sacks  
How was cement grout placed?  
Bentonite was pressured grouted

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 Malheur Driller's well number \_\_\_\_\_  
N.E. 1/4 S.E. 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 42 ft.  
Static level 25 ft. below land surface. Date 5/11/78  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 210 ft. Depth of completed well 210 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
Fine clay & gravel	0	15	
Med. sand & gravel	15	40	
Silt	40	42	
Small gravel w/b 30 gpm	42	48	
Blue clay	48	63	
Silty blue clay w/b 5 gpm	63	64	
Blue clay	64	75	
Sandy yellow clay w/b 15	75	80	
Blue clay	80	88	
Sandy blue clay w/b 10 gpm	88	102	
Blue clay	102	114	
Sand blue clay w/b 15 gpm	114	118	
Blue clay (caving)	118	135	
Whit. brittle clay w/b 15	135	139	
Blue clay	139	175	
Sandy blue clay w/b 15-	175	176	
Blue clay (fractured)	176	210	

Work started 5/9/78 19 Completed 5/11/78 19  
Date well drilling machine moved off of well 5/11/78 19

**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] Winfield Page Date 6/1/78, 19\_\_\_\_  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RR. 2-BOX 371 VALE, OREGON 97918

[Signed] Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 6/1/78, 19\_\_\_\_



NOTICE TO WATER WELL CONTRACTOR

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

RECEIVED  
MARB - 1972  
WATER WELL REPORT

STATE OF OREGON

State Well No. ....

STATE ENGINEER, SALEM, OREGON 97310

(Please type or print)

State Permit No. ....

within 30 days from the date of well completion.

(Do not write above this line)

(1) OWNER:

Name Howard Cochran  
Address Ute, Oregon

(2) TYPE OF WORK (check):

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

(3) TYPE OF WELL:

Rotary  Cable  Driven  Jetted  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal  Irrigation  Test Well  Other

(5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 21 ft. Gage 250  
" Diam. from " ft. to " ft. Gage  
" Diam. from " ft. to " ft. Gage

(6) 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?  
gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 3 1/2 gal./min. with 114 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 48° Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 8 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 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 Wallowa Driller's well number  
NW 1/4 SE 1/4 Section 19 T. 185 R. 45E W.M.  
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 132 ft.  
Static level 16 ft. below land surface. Date 2-25-72  
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"  
Depth drilled 138 ft. Depth of completed well 138 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
Gravel & soil	0	6	
Hard lined gravel	6	8	
Gravel	8	14	
Brown clay	14	42	
Blue clay	42	132	16
Brown thick soapstone	32	135	
Blue clay	135	138	

Work started 2-25 19 72 Completed 2-25 19 72  
Date well drilling machine moved off of well 2-25 19 72

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. J. Dorse Date 3-1, 1972  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

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 Rayell Drilling  
(Person, firm or corporation) (Type or print)  
Address 11 Main - Ute Oregon  
[Signed] Rayell Drilling  
(Water Well Contractor)  
Contractor's License No. 396 Date 3-1, 1972

**WATER WELL REPORT**

STATE OF OREGON

State Well No. \_\_\_\_\_

(Please type or print)

(Do not write above this line)

State Permit No. 185/457-79

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

**(1) OWNER:**

Name JOHN ROBERTS  
Address VALE, OREGON 97918

**(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:**

6 " Diam. from 0 ft. to 30 ft. Threaded  Welded   
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 \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_  
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? \_\_\_\_\_  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 7 gal./min. with 100 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 56! Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 9 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 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 MALHEUR Driller's well number \_\_\_\_\_  
NW 1/4 Section 19 T18 R45 W.M. \_\_\_\_\_  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 18 ft.  
Static level 25 ft. below land surface. Date 7-8-76  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 208 ft. Depth of completed well 208 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
GRAVELY SOIL	0	3	
HARD BROWN CLAY	3	5	
CEMENTED GRAVEL	5	7	
BROWN CLAY	7	10	
CALECHE	10	13	
SANDY BROWN CLAY	13	18	
BROWN SAND W/B	18	19	25
STICKY BROWN CLAY	19	32	
BLUE CLAY	32	97	
HARD BLUE SHALE	97	98	
BLUE CLAY	98	120	
HARD BLUE SHALE	120	121	
BLUE CLAY	121	168	
BROKEN BLUE SOAPSTONE W/B	168	170	25
BLUE CLAY	170	197	
BLUE SAND W/B	197	199	25
BLUE CLAY	199	208	

Work started 7-6-76 \_\_\_\_\_ 19 Completed 7-8-76 \_\_\_\_\_ 19  
Date well drilling machine moved off of well 7-10-76 \_\_\_\_\_ 19

**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] Archie W. Page Date 7-10-76 19 \_\_\_\_  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 729

**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 PAGE BROS. DRILLING  
(Person, firm or corporation) (Type or print)

Address RT. 2 BOX 371 VALE, OREGON 97918

[Signed] Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 7-10-76 \_\_\_\_\_ 19

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

# WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 183/45E-19a

State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name CHRIS FREEZE  
Address 524 ASH STREET VALE, OREGON 97918

**(2) TYPE OF WORK (check):**

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from +1 ft. to 20 ft. Gage .250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 3 gal./min. with 150 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.

Temperature of water 52 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to \_\_\_\_\_ ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 5 in.  
Number of sacks of cement used in well seal 6 sacks  
How was cement grout placed? PRESSURE GROUTED

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 WALHEUR Driller's well number \_\_\_\_\_  
NW 1/4 SE 1/4 Section 19 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 159 ft.  
Static level 31 ft. below land surface. Date 7/31/80  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6"

Depth drilled 227 ft. Depth of completed well 227 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
Cemented Gravel	0	10	
Brown Clay	10	37	
Blue <del>Clay</del> Clay	37	52	
Hard Green Sandstone	52	105	
Soapstone	105	106	
Hard Green Sandstone	106	159	
Soft Black Sandstone	159	170	31
Green Clay	170	178	
Hard Green Sandstone	178	186	
Green Clay	186	193	
Hard Green Sandstone	193	227	

**RECEIVED**

AUG 7 1980

WATER RESOURCES DEPT  
SALEM, OREGON

Work started 7/31/80 19 Completed 7/31/80 19

Date well drilling machine moved off of well 7/31/80 19

**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] Chris Freeze Date 7/31/80  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 729

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALE OREGON 97918

[Signed] W. J. Page  
(Water Well Contractor)

Contractor's License No. 564 Date 7/31/1980

# WATER WELL REPORT

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

**STATE OF OREGON**  
(Please type or print)

State Well No. 185/452-100  
State Permit No. \_\_\_\_\_

(Do not write above this line)

**(1) OWNER:**

Name GENE SCHAEFFER  
Address RT 2 BOX A-350 VALL, OREGON 97918

**(2) TYPE OF WORK (check):**

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

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from +1 ft. to 19 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
Bailer test 18 gal./min. with 15 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 52 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 6 sacks  
How was cement grout placed? Pressure Grouted

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 WALHEUR Driller's well number \_\_\_\_\_  
NW 1/4 Section 20 T. 18S R. 45E W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 68 ft.  
Static level 45 ft. below land surface. Date 6/20/80  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6"  
Depth drilled 83 ft. Depth of completed well 83 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	1	
Brown Clay	1	4	
Cemented Gravel	4	12	
Sticky Brown Clay	12	57	
Sticky Blue Clay	57	68	
Soft Black Sandstone	68	75	45
Blue Clay	75	83	

Work started 6/20/80 19 Completed 6/20/80 19  
Date well drilling machine moved off of well 6/20/80 19

**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] John J. Morrison Date 6/20/1980  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1405

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALL, OREGON 97918

[Signed] Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 6/20/1980

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

C O P Y  
**WATER WELL REPORT**

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

**STATE OF OREGON**  
(Please type or print)  
(Do not write above this line)

State Well No. ....  
State Permit No. ....

118 12 1977

**(1) OWNER:**

Name CITY OF VALL  
Address VALL, OREGON 97918

**(2) TYPE OF WORK (check):**

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

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
12" Diam. from 0 ft. to 132 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

**(6) PERFORATIONS:**

Perforated?  Yes  No.  
Type of perforator used HYDRO  
Size of perforations 3/16 in. by 3 in.  
228 perforations from 101 ft. to 111 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? HYDRO'S  
Yield: 250 gal./min. with 25 ft. drawdown after 8 hrs.  
" " " " " "  
" " " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 52 Depth artesian flow encountered ..... ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 15 in.  
Diameter of well bore below seal 12 in.  
Number of sacks of cement used in well seal 12 sacks  
How was cement grout placed? MANUAL SCOURED  
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 WALSH Driller's well number .....  
11 1/4 20 1/4 Section 20 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 20 ft.  
Static level 7 ft. below land surface. Date 11/20/77  
Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 12"  
Depth drilled 132 ft. Depth of completed well 132 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
Medium Sandy Loam	0	3	
Dry Sand	3	6	
Light Brown Clay	6	19	
Cement Gravel	19	20	
Medium Sand & Gravel 1/2 E	20	30	7
Blue Shale	30	38	
Sticky Blue Clay	38	43	
Broken Blue Shale 1/2 E	43	47	7
Hard Blue Shale	47	52	
Sticky Blue Clay	52	60	
Broken Blue Shale 1/2 E	60	67	7
Blue Shale	67	103	
Soft Blue Sandstone 1/2 E	103	105	7
Sticky Blue Clay	105	132	

Work started 11/01/77 19 Completed 11/20/77 19  
Date well drilling machine moved off of well 11/21/77 19

**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] /s/ Paul Proffers Page Date 11/21/1977  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 122

**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 PAUL PROFFERS DRILLING  
(Person, firm or corporation) (Type or print)

Address 11201 371 VALL, OREGON 97918

[Signed] /s/ Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 11/21/77, 19.....

C O P Y  
**WATER WELL REPORT**

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

**STATE OF OREGON**  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

WELL # 1 1977

**(1) OWNER:**

Name CITY OF VALLE  
Address VALE, OREGON 97918

**(2) TYPE OF WORK (check):**

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded

8" Diam. from 0 ft. to 33 1/2 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

**(6) PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used FACTORY  
Size of perforations 3/16 in. by 3 in.  
450 perforations from 23 1/2 ft. to 33 1/2 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 130 gal./min. with 116 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 53 Depth artesian flow encountered ..... ft.

**(9) CONSTRUCTION:**

Well seal—Material used PORTLAND CEMENT  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 6 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 WASCO Driller's well number  
S 7 1/4 N 1/4 Section 20 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 21 ft.  
Static level 14 ft. below land surface. Date 7/01/77  
Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 8"

Depth drilled 145 ft. Depth of completed well 145 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	
Galeche	4	6	
Dark Gummy Clay	6	19	
Brown Sand	19	20	
Cemented Gravel	20	21	
Medium Gravel & Sand W/B	21	31	14
Hard Blue Shale	31	37	
Blue Sticky Clay	37	51	
Hard Blue Clay	51	52	
Blue Sand W/B	52	53	14
Soft Blue Sandstone	53	75 1/2	
Blue Sand W/B	75 1/2	76	14
Blue Clay	76	104	
Blue Sand W/B	104	105	14
Sticky Blue Clay	105	145	

Work started 7/01/77 19 Completed 7/02/77 19  
Date well drilling machine moved off of well 7/02/77 19

**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] /s/ Archie L Page Date 7/02/77 19  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 722

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RF 2 BOX 371 VALE, OREGON 97918

[Signed] .....  
(Water Well Contractor)

Contractor's License No. 564 Date 7/02/77 19

### WATER WELL REPORT

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

STATE OF OREGON

(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

Page 1 of 2

#### (1) OWNER:

Name URS CORP  
Address 1111 W. 2nd St, Portland, OR 97227

#### (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

#### (5) CASING INSTALLED:

Threaded  Welded

1 1/2" Diam. from 0 ft. to 30 ft. Gage # 300  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

#### (6) PERFORATIONS:

Perforated?  Yes  No.

Type of perforator used 1 1/2"  
Size of perforations 3/8 in. by 2 in.  
21 perforations from 20 ft. to 21 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?  
Yield: 77 gal./min. with 1.5 ft. drawdown after 1 hrs.  
" " " " " "  
" " " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 72 Depth artesian flow encountered ft.

#### (9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 1.5 ft.  
Diameter of well bore to bottom of seal 1 in.  
Diameter of well bore below seal 1.2 in.  
Number of sacks of cement used in well seal 2 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 Clatsop Driller's well number  
21 1/4 W 1/4 Section 20 T. 10 R. 45 W.M.  
Bearing and distance from section or subdivision corner

#### (11) WATER LEVEL: Completed well.

Depth at which water was first found 25 ft.  
Static level 7 ft. below land surface. Date 12/30/77  
Artesian pressure lbs. per square inch. Date

#### (12) WELL LOG:

Diameter of well below casing 1 1/2"

Depth drilled 300 ft. Depth of completed well 300 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	2	
Light brown clay	2	10	
Gravel	10	21	7
Blue shale	21	31	
rotten shale	31	43	
tight blue clay	43	52	
and blue shale	52	60	
rotten sandstone	60	64	
tight blue clay	64	96	
soft, waxy blue clay	96	103	
tight blue clay	103	110	
soft, blue clay	110	127	
sandstone shale and blue			
clay	127	130	
soft blue clay	130	140	
and blue clay (soft shale)	140	144	
soft sandy blue clay	144	152	
rotten blue sandstone	152	167	
soft blue clay & shale	167	175	

Work started 12/09/77 19 Completed 12/30/77 19  
Date well drilling machine moved off of well 12/30/77 19

#### 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] /s/ Archie Hase Date 12/30/77, 19...  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 722

#### 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 URS CORP (Person, firm or corporation) (Type or print)

Address 1111 W. 2nd St, Portland, OR 97227

[Signed] /s/ Archie Hase  
(Water Well Contractor)

Contractor's License No. 35 Date 12/30/77, 19...

NOTICE TO WATER WELL CONTRACTOR

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

**RECEIVED WATER WELL REPORT**

WATER RESOURCES DEPARTMENT.

STATE OF OREGON

SALEM, OREGON 97310

APR 11 1980 (Please type or print)

State Well No. 18s/45E-2000

within 30 days from the date

of well completion. WATER RESOURCES DEPT (Do not write above this line)

State Permit No.

SALEM, OREGON

**(1) OWNER:**

Name James Hawley  
Address P.O. Box 225  
Vale, Oregon 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
8" Diam. from 0 ft. to 66 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

**(6) 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? Driller  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 15 gal./min. with 190 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 200 Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 35 ft.  
Diameter of well bore to bottom of seal 12 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 35 sacks  
How was cement grout placed? with grout pump

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 Malheur Driller's well number 80-6  
NE 1/4 SW 1/4 Section 20 T.18S R.45E. W.M.  
Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 10 ft.  
Static level 10 ft. below land surface. Date  
Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 8  
Depth drilled 680 ft. Depth of completed well 680 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	
Clay, brown	4	10	
Gravel, medium, water brg	10	26	10
Clay, brown	26	30	10
Clay, blue-gray	30	124	10
Clay, blue-gray	124	280	10
Clay, gray, narrow seams of limestone, hard	280	680	10
Rock, very hard	680		5

Temp. of water brought out to surface in 4 min. 200\*

Work started 2/2 19 80 Completed 3/6 19 80  
Date well drilling machine moved off of well 3/6 19 80

**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] Harry Schiffer Date 4-1, 1980  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1319

**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 PIONEER WATER DEVELOPMENT, INC.  
(Person, firm or corporation) (Type or print)

Address Rt 3 Box 493 Ontario, Or. 97914

[Signed] [Signature]  
(Water Well Contractor)

Contractor's License No. 748 Date 4/1 80





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

# WATER WELL REPORT

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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 18-452-20

State Permit No. \_\_\_\_\_

### (1) OWNER:

Name STAN DENTINGER  
Address VALE, OREGON 97918

### (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

### (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 30 ft. Gage .250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### (6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 12 gal./min. with 63 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.

### (9) CONSTRUCTION:

Well seal: Material used CEMENT  
Well sealed from land surface to 30 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 9 sacks  
How was cement grout placed? PRESSURE GROUTED

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 MALHEUR Driller's well number \_\_\_\_\_  
SE 1/4 SW 1/4 Section 20 T. 18 R. 45 W.M. \_\_\_\_\_  
Bearing and distance from section or subdivision corner \_\_\_\_\_

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 72 ft.  
Static level 12 ft. below land surface. Date 5/6/80  
Artesian pressure lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 83 ft. Depth of completed well 83 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	2	
Sandy Brown Clay	2	19	
Medium Gravel & Coarse			
Brown Sand	19	25	
Blue Clay	25	72	
Sandstone	72	74	12
Blue Clay	74	83	

Work started 5/6/80 19 Completed 5/6/80 19

Date well drilling machine moved off of well 5/6/80 19

### 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] Anchi W. Page Date 5/9/80, 19\_\_\_\_\_  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 729

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALE, OREGON 97916

[Signed] Mike Page  
(Water Well Contractor)

Contractor's License No. 564 Date 5/9/80, 19\_\_\_\_

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

# WATER WELL REPORT RECEIVED

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

STATE OF OREGON  
(Please type or print)

State Well No. \_\_\_\_\_

(Do not write above this line)

State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Cyril Furman  
Address Ex 400 - Vale Ore. 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
12" Diam. from 0 ft. to 27 ft. Gage 250  
8" Diam. from 0 ft. to 42 ft. Gage 250

**(6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
Bailer test 24 gal./min. with 37 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 67 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement Grout  
Well sealed from land surface to 15 ft.  
Diameter of well bore to bottom of seal 12 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 3 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 Malheur Driller's well number \_\_\_\_\_  
NE 1/4 SE 1/4 Section 20 T. 18 R. 75 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 32 ft.  
Static level 8 ft. below land surface. Date 3-21-77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 8  
Depth drilled 100 ft. Depth of completed well 100 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
Sandy Soil	0	18	
med. Sand	18	22	
Blue Clay	22	32	
Fractured Clay w/b	32	35	
Blue Clay	35	36	
Fractured Clay	36	38	
Blue Clay	38	42	
Blue Clay	42	75	
Med. Sandy Stone	75	80	
Sticky Blue Clay	80	85	
Sandy Blue Clay	85	95	
Sticky Blue Clay	95	100	

Work started 2-18 19 77 Completed 3-21- 19 77  
Date well drilling machine moved off of well 3-23 19 77

**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] Winifield Page Date 3-23, 1977  
Drilling Machine Operator's License No. 65

**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 Page Bros. Drilling  
Address Rt. 2 - Box 371 - Vale Ore. 97918  
[Signed] Winifield Page  
Contractor's License No. 564 Date 3-23, 19 77

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 97310 within 30 days from the date of well completion.

STATE OF OREGON (Please type or print)

State Well No. 18/45-20 K

State Permit No.

(1) OWNER:

Name: Campyghasso Realty, Address: LaS Vegas Oregon

(2) LOCATION OF WELL:

County: Multnomah, Driller's well number: NW 1/4 SE 1/4 Section 26 T. 18S R. 45E W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well [checked] Deepening [ ] Reconditioning [ ] Abandon [ ] If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

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

(5) TYPE OF WELL:

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

(6) CASING INSTALLED:

Threaded [ ] Welded [checked] 6" Diam. from 0 ft. to 29 ft. Gage 4

(7) PERFORATIONS:

Perforated? [checked] Yes [ ] No Type of perforator used: TORCH Size of perforations: 6 in. by 3/16 in. 24 perforations from 24 ft. to 29 ft.

(8) SCREENS:

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

(9) CONSTRUCTION:

Well seal—Material used in seal: BENTONITE Depth of seal: 2 ft. Was a packer used? SAND Diameter of well bore to bottom of seal: 8 in. Were any loose strata cemented off? [ ] Yes [checked] No Depth: Was a drive shoe used? [checked] Yes [ ] No Was well gravel packed? [ ] Yes [checked] No Size of gravel: Gravel placed from ft. to ft. Did any strata contain unusable water? [ ] Yes [checked] No Type of water? depth of strata Method of sealing strata off

(10) WATER LEVELS:

Static level: 14 ft. below land surface Date: 5-24-66 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? [checked] Yes [ ] No If yes, by whom? DRILLER. Yield: 41 gal./min. with 6 ft. drawdown after 1 hrs.

(12) WELL LOG:

Diameter of well below casing: 5 3/4" Depth drilled: 35 ft. Depth of completed well: 35 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: SOIL (1-2), CLAY (2-13), SAND SILTY CLAY (13-27), SAND FINE GRAVEL (27-28), CLAY BLUE (28-35)

Work started: 5-23-1966 Completed: 5-27-1966 Date well drilling machine moved off of well: 5-29-1966

(13) PUMP:

Manufacturer's Name: No PUMP yet 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: HOLLOWAY DRILLING CO. (Person, firm or corporation) Address: CANTABRIA CRE Drilling Machine Operator's License No. 102 [Signed] May Hal Conway (Water Well Contractor) Contractor's License No. 16 Date: 5-26-1966

18/45-21

RECEIVED

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

WATER WELL REPORT

STATE OF OREGON MARCH - 1975 State Well No. ....

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

(Please type or print)  
(Do not write above this line)  
WATER RESOURCES DEPT.  
SALEM, OREGON State Permit No. ....

(1) OWNER:

Name ALLEN ANTHONY  
Address VALE, OREGON

(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

(5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 26 ft. Gage 250  
" Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used FACTORY PERF.  
Size of perforations 3/16 in. by 3 in.  
130 perforations from 19 ft. to 26 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?  
gal./min. with ft. drawdown after hrs.  
Bailer test 24 gal./min. with 6 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 110 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used CEMENT GROUT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 9 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 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 MALHEUR Driller's well number .....  
SW 1/4 SE 1/4 Section 20 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner .....

(11) WATER LEVEL: Completed well.

Depth at which water was first found 19 ft.  
Static level 9 1/2 ft. below land surface. Date 12-20-75  
Artesian pressure ..... lbs. per square inch. Date .....

(12) WELL LOG:

Diameter of well below casing 6  
Depth drilled 30 ft. Depth of completed well 30 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
SANDY BROWN SOIL	0	16	
CEMENTED GRAVEL	16	19	
GRAVEL & SAND W/B	19	25	9 1/2
BLUE CLAY	25	30	

Work started 12-20-75 19 Completed 12-22-75 19  
Date well drilling machine moved off of well 12-22-75 19

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] ..... Date 12-22-75  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 729

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 ..... (Type or print)  
Address PAGE BROS. DRILLING  
[Signed] ..... RT. 2 BOX 371 VALE, OREGON (Water Well Contractor)  
Contractor's License No. 564 Date 12-22-75 19

NOTICE TO WATER WELL CONTRACTOR

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

**RECEIVED WATER WELL REPORT**

WATER RESOURCES DEPARTMENT

SALEM, OREGON 97310

within 30 days from the date

of well completion

FEB 23 1980

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 185/45w-30del

State Permit No. \_\_\_\_\_

(1) OWNER: Valle, Thermo Oregon Inc.  
 Name VALLE GEOTHERMAL PRODUCTION COMP  
 Address 39 BROADWAY NEW YORK, N.Y.

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

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

(5) CASING INSTALLED: Threaded  Welded   
10 " Diam. from 2 ft. to 51 ft. Gage 250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

(6) 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?  
 Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
at 25 gpm at 675' "  
 " " " " " "  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ g.p.m.  
 Temperature of water 193 Depth artesian flow encountered \_\_\_\_\_ ft.

(9) CONSTRUCTION:  
 Well seal—Material used cement grout  
 Well sealed from land surface to 50 ft.  
 Diameter of well bore to bottom of seal 18 in.  
 Diameter of well bore below seal 8 in.  
 Number of sacks of cement used in well seal 40 sacks  
 How was cement grout placed? pumped in at 42' with mud pump  
 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 Mulhem Driller's well number \_\_\_\_\_  
SE 1/4 SE 1/4 Section 20 T. 185 R. 45 W. W.M.  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

(11) WATER LEVEL: Completed well.  
 Depth at which water was first found 15 182 ft.  
 Static level 6' ft. below land surface. Date 2-19-80  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG: Diameter of well below casing 8"  
 Depth drilled 675 ft. Depth of completed well 675 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
<u>brown clay and small boulders</u>	<u>0</u>	<u>10</u>	
<u>sand black brown (medium)</u>	<u>10</u>	<u>12</u>	
<u>sand gravel</u>	<u>12</u>	<u>19</u>	
<u>blue clay (hard) 1/2 in</u>	<u>19</u>	<u>64</u>	<u>6</u>
<u>multicolor red brown</u>			
<u>blue clay (loose)</u>	<u>64</u>	<u>77</u>	
<u>red clay (hard) casing</u>	<u>77</u>	<u>99</u>	
<u>black shale (hard)</u>	<u>99</u>	<u>112</u>	
<u>sticky grey granulating hard</u>	<u>112</u>	<u>485</u>	<u>6</u>
<u>black blue sand stone</u>	<u>485</u>	<u>520</u>	
<u>medium hard black rock</u>	<u>520</u>	<u>605</u>	
<u>red tint. faced with green basalt</u>	<u>605</u>	<u>675</u>	

Work started 2-12 1980 Completed 2-19 1980  
 Date well drilling machine moved off of well 2-19 1980

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] Johann J. Duff Date 2-20, 1980  
 (Drilling Machine Operator)  
 Drilling Machine Operator's License No. 1151

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 Johann J. Duff (Type or print)  
 (Person, firm or corporation)  
 Address Rt 1 Box 47 B. Fayette, La.  
 [Signed] Johann J. Duff  
 (Water Well Contractor)  
 Contractor's License No. 682 Date 2-20, 1980

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

COPY  
WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

(1) OWNER:

Name DENNIS HART  
Address 385 SMITH ST S VALE, OREGON 97918

(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

(5) CASING INSTALLED:

Threaded  Welded

6" Diam. from 0 ft. to 230 ft. Gage #250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

(6) 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?

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

Bailer test 10 gal./min. with 200 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 86 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 30 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 12 sacks  
How was cement grout placed? PRESSURE GROUTED

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 MALHEUR Driller's well number  
SE 1/4 SE 1/4 Section 20 T. 18 R. 45 W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 21 ft.

Static level 18 ft. below land surface. Date 5/26/80

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 1000 ft. Depth of completed well 1000 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	1	
Medium Gravel	1	2	
Brown Clay	2	21	
Medium Gravel	21	29	18
Blue Clay	29	90	
Basalt	90	91	
Blue Clay	91	160	
Sandstone	160	162	
Blue Clay	162	365	
Brown Basalt	365	368	
Blue Clay	368	425	
Blue Claystone	425	495	
Blue Clay	495	670	
Blue Soapstone	670	700	
Blue Clay	700	1000	

Work started 5/23/80 19 Completed 5/26/80 19

Date well drilling machine moved off of well 5/26/80 19

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] /s/ Winfield Page Date 6/23/80, 19.....  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALE, OREGON (97918)

[Signed] \_\_\_\_\_  
(Water Well Contractor)

Contractor's License No. 564 Date 6/23/80, 19.....





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

COPY  
WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

FEB 2 1980

(1) OWNER:

Name OREGON WATER RESOURCES DIV HOBIEMAI  
Address VALLI, OREGON 97918

(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

(5) CASING INSTALLED:

Threaded  Welded

12" Diam. from 0 ft. to 26 ft. Gage #250  
10" Diam. from 0 ft. to 50 ft. Gage #250  
8" Diam. from 0 ft. to 180 ft. Gage #250

(6) PERFORATIONS:

Perforated?  Yes  No.

Type of perforator used FACTORY  
Size of perforations 3/8 in. by 24 in.  
176 perforations from 40 ft. to 62 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? PAGE PROCEEDING DRILLING  
Yield: 250 gal./min. with 50 ft. drawdown after 1 hrs.  
" 5 " 135 " 1 "  
" 6 " 300 " 1 "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 180 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 50 ft.  
Diameter of well bore to bottom of seal 16 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 54 sacks  
How was cement grout placed? REBAR REINFORCED GROUTED  
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 CLATSOP Driller's well number  
S3 1/4 S1 1/4 Section 20 T. 18 R. 15 W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 18 ft.  
Static level 7 ft. below land surface. Date 3/5/80  
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 600 ft. Depth of completed well 600 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
Sandy Clay	0	1	
Fine Brown Sand	1	15	
Small Gravel	15	17	
Fractured Sandstone	17	21	7
Bluish Roc	21	40	
Fractured Gray Blue Roc with Iron Pyrites	40	65	
Brown Clay	65	115	
Blue Clay *	115	400	
Slate like Clay	400	460	
Blue Clay	460	540	
Basalt	540	555	
Blue Hard Clay **	555	600	
* 135' 5 GPM 1200			
** 300' 6 GPM 115'			

Work started 2/22/80 19 Completed 3/05/80 19  
Date well drilling machine moved off of well 3/05/80 19

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] /s/ Winfield Page Date 3/5/80, 19  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 PAGE PROCEEDING DRILLING  
(Person, firm or corporation) (Type or print)

Address 202 BOX 371 VALLI, OREGON 97918

[Signed] /s/ Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 3/5/80, 19

# WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. ....

State Permit No. ....

(Do not write above this line)

WELL # 3 1980

### (1) OWNER:

Name OREGON TRAIL RESOURCES DEV. COMPANY  
Address VALE, OREGON 97918

### (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

### (5) CASING INSTALLED:

Threaded  Welded   
10" Diam. from 0 ft. to 45 ft. Gage # 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### (6) PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used FACTORY  
Size of perforations 1/4 in. by 3 in.  
220 perforations from 40 ft. to 45 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? PAGE BROTHERS DRILLING  
Yield: 250 gal./min. with 37 ft. drawdown after 1 hrs.  
" " " " "  
" " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 18.5 Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 1 1/4 in.  
Diameter of well bore below seal 10 in.  
Number of sacks of cement used in well seal 12 sacks  
How was cement grout placed? PRESSURE GROUTED  
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: ft.  
Gravel placed from ft. to ft.

### (10) LOCATION OF WELL:

County CLATSOP Driller's well number  
31 1/4 33 1/4 Section 20 T. 13 R. 45 W.M.  
Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 14 ft.  
Static level 3 ft. below land surface. Date 3/29/80  
Artesian pressure lbs. per square inch. Date

### (12) WELL LOG:

Diameter of well below casing 10"  
Depth drilled 50 ft. Depth of completed well 40 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
Sandy Clay	0	8	
Fine Sand	8	14	
Sandstone	14	16	8
Sand & Small Gravel	16	20	
Sandstone	20	29	
Fractured Blue Rock	29	50	

Work started 3/27/80 19 Completed 3/29/80 19  
Date well drilling machine moved off of well 3/29/80 19

**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] /s/ Winfield Page Date 3/29/1980  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address INF 2 BOX 371 VALE, OREGON 97918  
[Signed] /s/ Winfield Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 3/29/1980



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

COPY  
WATER WELL REPORT

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

STATE OF OREGON  
(Please type or print)

State Well No. ....

State Permit No. ....

THIS IS 5 1980

(Do not write above this line)

(1) OWNER:

Name OREGON TRAIL RESOURCES DEVELOPMENT  
Address VALE, OREGON 97918

(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

(5) CASING INSTALLED:

Threaded  Welded

8" Diam. from 0 ft. to 106 ft. Gage 250  
10" Diam. from 0 ft. to 84 ft. Gage 250  
" Diam. from " ft. to " ft. Gage "

(6) PERFORATIONS:

Perforated?  Yes  No.

Type of perforator used FACTORY

Size of perforations 3/8 in. by 24 in.  
192 perforations from 82 ft. to 106 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. PAGES PROS

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

Yield: 250 gal./min. with 85 ft. drawdown after 1 hrs.  
" " " " " " " " " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 220 Depth artesian flow encountered " ft.

(9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 30 ft.  
Diameter of well bore to bottom of seal 14 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 23 sacks  
How was cement grout placed? PRESSURE GROUTED

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 WASHINGTON Driller's well number  
S3 1/4 S7 1/4 Section 20 T. 18 R. 45 W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 85 ft.

Static level 30 ft. below land surface. Date 6/19/80

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 250 ft. Depth of completed well 250 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
Brown Claystone	0	20	
Brown Sandstone	20	28	
Brown Clay	28	50	
Brown Sand Clay	50	85	
Blue Fractured Sandstone	85	102	30
Blue Clay	102	250	

Work started 6/07/80 19 Completed 6/19/80 19

Date well drilling machine moved off of well 6/19/80 19

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] /s/ Winfield Page Date 6/23/80, 19.....  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 PAGES PROS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALE, OREGON 97918

[Signed] .....  
(Water Well Contractor)

Contractor's License No. 564 Date 6/23/80, 19

Sold to Antonio Mendine, Star (Bank) ← Book 129-P422-11  
 OBSERVATION WELL  
 12/45-210

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

**WATER WELL REPORT**

State Well No. \_\_\_\_\_  
 State Permit No. \_\_\_\_\_

STATE OF OREGON C-775

(1) OWNER:  
 Name K.T. LOOMIS  
 Address BOX 453  
Wahi - Oregon

(2) LOCATION OF WELL:  
 County MALHEUR Owner's number, if any—  
1/4 Section 21 T. 18 R. 45 W.M.  
 Bearing and distance from section or subdivision corner  
130 ft from NW corner of Section 21  
Bearing slightly ~~SE~~ Wind E

(3) TYPE OF WORK (check):  
 New Well  Deepening  Reconditioning  Abandon   
 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:  
 Threaded  Welded   
 12" Diam. from Top ft. to 40 ft. Gage  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage

(7) PERFORATIONS:  
 Perforated?  Yes  No  
 Type of perforator used air well torch  
 SIZE of perforations in. by in.  
 \_\_\_\_\_ perforations from 10 ft. to 40 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 \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Slot size Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 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? \_\_\_\_\_ ft.  
 Material used in seal—  
 Did any strata contain unusable water?  Yes  No  
 Type of water? HARD Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

(10) WATER LEVELS:  
 Static level 9 ft. below land surface Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_

Log Accepted by:  
 [Signed] K.T. Loomis Date July 21, 1960  
 (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? W. L. Smeeth  
 Yield: 360 gal./min. with 18 ft. drawdown after 1 1/2 hrs.  
 " " " " " "  
 " " " " " "  
 Bailer test gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water 60 Was a chemical analysis made?  Yes  No

(12) WELL LOG: 40 Diameter of well 1 1/2 inches.  
 Depth drilled 100 ft. Depth of completed well 140 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
12 inch hole to 40 feet		
100 feet 8 inch hole		
Surface formation		
Hard pan 9 ft. yellow		
Clay 8 ft. sandy		
gravel formation		
10 feet sandy shale		
38 feet black shale	100 ft	

Work started May 4 1960 Completed May 6 1960

(13) PUMP:  
 Manufacturer's Name Pearlisa Pump Co.  
 Type: Turbine H.P. 5

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 W. L. Smeeth  
 (Person, firm, or corporation) (Type or print)  
 Address W. L. One  
 Driller's well number 224  
 [Signed] W. L. Smeeth  
 (Well Driller)  
 License No. 224 Date \_\_\_\_\_, 19\_\_\_\_

Hole no. 18 S / 45 E - 18 CB Date spudded April 1952  
Inclination 90 **RECEIVED** Data completed Oct. 23, 1962  
Bearing - **RECEIVED** Date logged Nov. 30 1976 for temp.  
Total depth 1185 ft. (636 m) Logged by V.C. Newton, Jr. (Geology)  
Casing record 12 in. dia steel **SALEM, OREGON** presumably extends from 0-560 ft.

Hole name Two States Oil & Gas well

LOCATION

Topographic quad. Vale East 7 1/2' 1 x 2 quad. Boise

BLM quad. - Other map -

Section Nw 1/4 SW 1/4 21 Township 18 S Range 45 E W.B.L. & M.

County MALHEUR Elevation 2225 feet 678 meters

Bearing and distance 3310 ft. S. of N line of section 21 & 660 ft. E. of W. line

Drilling Contractor Drilled originally by Harden & Company / reopened by Boyles Bros. Drilling Co. of Reno.  
Address -

Drilling method For reopening - air rotary

Condition of hole Good to 1000 ft

Ground cover (vegetation) Corn field

Slope orientation ⊖

Topographic setting Valley bottom @ foot of steep N-facing slope

GROUNDWATER: SWL ~ 23 ft. on 11/7/76 Flow -

Aquifers -

Comments: This hole was drilled originally as an oil & gas test. The surface plug (0-18 ft) was drilled on 11/7/76 to permit temperature gradient measurements. The City of Vale plans to use the well for domestic water.

Ch. W. Son Hull  
for temp. Log

50  
See back  
of back pg

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building      Portland 1, Oregon

LOG AND CORE RECORD OF OIL OR GAS WELL  
(Submit in duplicate)

In compliance with rules and regulations pursuant to ORS 520.095 (Chapter 667 OL 1953).

Operator Two-State Oil & Gas Company, Inc. Field Vale area  
Well No. Vale City No. 1, Sec. 21, T. 18 S, R. 45 E, W. R. & M.

FORMATIONS PENETRATED BY WELL

Depth to Top of Formation	Bottom of Formation	Thickness	Drilled or Cored	Recovery	Description
<u>DRILLER'S LOG</u>					
0	202		Drilled		Not recorded (Holloway Drilling Co.)
202	270		"		Soft blue silt.
270	420		"		Shale, blue, medium hard.
420	430		"		Sandy shale, blue, medium hard.
430	450		"		Sticky, soft, blue silt.
450	558		"		Shale, blue, medium hard.
558	560		"		Sand, grey, hard.
560	575		"		Sand, grey, medium hard, containing good flow of warm water.
575	635		"		Shale, with sandy streaks, blue, soft.
635	655		"		Shale, soft blue
655	765		"		Shale, sticky grey.
765	775		"		Shale, red, medium hard.
775	785		"		Rhyelite(?), red, hard.
785	815		"		Basaltic rock and shale, reddish color, hard.
815	825		"		Shale, blue, medium hard to hard.
825	850		"		Shale, dark grey, medium hard.
850	870		"		Basalt, hard, black.

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building Portland 1, Oregon

LOG AND CORE RECORD OF OIL OR GAS WELL  
(Submit in duplicate)

In compliance with rules and regulations pursuant to ORS 520.095 (Chapter 667 OL 1953).

Operator Two-State Oil & Gas Company, Inc. Field \_\_\_\_\_

Well No. Vale City No. 1 Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ W. R. & M.

FORMATIONS PENETRATED BY WELL

Depth to Top of Formation	Depth to Bottom of Formation	Thickness	Drilled or Cored	Recovery	Description
<u>DRILLER'S LOG (Cont.)</u>					
870	875		Drilled		Rhyolite (?), red, hard.
875	918		"		Basalt, black, hard, with veins of quartz.
918	925		"		Red volcanic rock, hard.
925	944		"		Basalt, hard, dark grey.
944	955		"		Shale, red sticky, medium hard.
955	980		"		Basalt, black, some weathered, some hard.
980	1010		"		Basalt, black, hard.
1010	1025		"		Basalt, grey, hard.
1025	1085		"		Shale (serpentine), green, medium hard, sticky.
1085	1095		"		Shale, red, sticky, soft.
1095	1148		"		Shale, greenish, soft, very sticky.
1148	1160		"		Sand, white, soft.
1160	1185	T.D.	"		Shale, green, very sticky, soft.



TWO STATE OIL & GAS COMPANY

Vale City No. 1

Sec. 21, T. 18 S., R. 45 E.

Malheur County, Oregon

Descriptions of Well Samples

- 0 - 202' Not recorded (Holloway Drilling Co.)
- 202 - 260 Blue silt: soft (Harden & Co., Drilling contractor)
- 260 - 280 Sandstone: whitish gray, silty, very fine grained, firm.
- 280 - 300 Sandstone: whitish gray, silty fine, with scattered coarse fragments of basalt and gray chert, Slightly calcareous.
- 300 - 340 Sandstone: as above.
- 340 - 400 Siltstone: light gray, firm.
- 400 - 420 Sandstone: whitish gray, fine to medium grained, quartzose, firm, containing coarse fragments of rounded basalt, some pyritisation.
- 420 - 440 Sandstone: similar to above but siltier.
- 440 - 480 Siltstone: light gray, firm, slightly calcareous, with occasional fragments of basalt, some pyrite.
- 480 - 540 Siltstone: whitish gray, firm, no basalt fragments.
- 540 - 550 Sandstone: light rust brown, hard, silicified, quartzose, some feldspar and scattered subrounded pieces of basalt.
- 550 - 560 Sandstone: whitish gray, friable, quartzose, subrounded grains, medium grained, some feldspar, some calcite and scattered pieces of basalt and gray chert. Fairly calcareous.
- 560 - 600 Sandstone: as above but with fragments of volcanic glass, some pyrite.
- 600 - 620 Sandstone: light gray to light brown, hard to firm, medium grained to silty, composed of subrounded grains of quartz and feldspar. Scattered pieces of basalt and large quartz grains. Partly silicified.

Two State Oil & Gas, Malheur County

- 620 - 640' Sandstone: whitish gray, fine grained, silty, firm, with occasional medium sized fragments of basalt.
- 640 - 660 Sandstone: light brown, hard, medium grained, silicified, composed of quartz and feldspar. Scattered pieces of basalt.
- 660 - 730 Siltstone: light gray, fine sandy, firm, with scattered fine pieces of basalt.
- 730 - 740 Sandstone: light brownish gray, hard, silicified, quartzose, with medium sized pieces of basalt.
- 740 - 760 Siltstone: light gray, firm to very firm.
- 760 - 880 Basalt: black, hard, microcrystalline, with olivine, some quartz and some calcite.
- 880 - 920 Basalt: as above but with some quartz veinlets bearing pyrite, also some calcite in the veinlets.
- 920 - 950 Altered Basalt: dark pinkish gray, with quartz and calcite veinlets, some pyrite, some chloritization.
- 950 - 970 Basalt: black, hard, microcrystalline with very little quartz or calcite.
- 970 - 980 Sandstone: grayish black, friable, medium grained, basaltic, containing some quartz and calcite.
- 980 - 1030 Basalt: black, hard, microcrystalline, with fine veinlets of quartz, some calcite.
- 1030 - 1070 Siltstone: whitish green, friable, partially altered to clay. Some scattered fragments of basalt ranging from coarse to pebble size.
- 1070 - 1080 Shale: grayish black, with inclusions of light green siltstone.
- 1080 - 1090 Siltstone: whitish green, firm, partially altered to clay, with medium to coarse friable sand composed of quartz, feldspar and basalt fragments.
- 1090 - 1130 Sandstone: medium gray, friable to firm, with some coarse basalt fragments. Partially cemented with lime and silica. Some thin layers of white siltstone interbedded.

Two State Oil & Gas, Malheur County

- 1130 - 1140 Sandstone: as above, some gypsum.
- 1140 - 1160 Sandstone: as above, with gypsum, some volcanic glass, finer than above.
- 1160 - 1170 Altered Basalt: dark pinkish gray, firm, quartz veining, partly chloritized.
- 1170 -1185 TD Sandstone: medium gray, friable, medium grained, limy, quartzose, with fragments of the above described basalt.

Samples described by V.C. Newton Jr., Petroleum Engineer, State of Oregon Department of Geology and Mineral Industries.





NOTICE TO WATER WELL CONTRACTOR

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

**RECEIVED**  
 JAN 3 1966  
 STATE ENGINEER

WATER WELL REPORT

STATE OF OREGON  
 (Please type or print)

State Well No. 18/45-22 E  
 State Permit No. \_\_\_\_\_

(1) OWNER:

Name Allen Dale Farms  
 Address Wilkes Idaho

(2) LOCATION OF WELL:

County MADISON Driller's well number 134  
SW 1/4 NW 1/4 Section 22 T. 18 S R. 45 E 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   
 Rotary  Cable  Dug  Driven  Jetted  Bored

(5) TYPE OF WELL:

(6) CASING INSTALLED:

Threaded  Welded   
1 3/4" Diam. from 0 ft. to 20 ft. Gage 250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

(7) PERFORATIONS:

Perforated?  Yes  No  
 Type of perforator used Mechanical Cut  
 Size of perforations 1/8 in. by 3 in.  
 \_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
2, 1/6" perforations from 30 ft. to 90 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 Benetint  
 Depth of seal 2 - 20 ft. Was a packer used? \_\_\_\_\_  
 Diameter of well bore to bottom of seal 2 1/2 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: 1/2"  
 Gravel placed from 20 ft. to 80 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 10 ft. below land surface Date 1/7/65  
 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? B+L - Spring  
 Yield: 200 gal./min. with 50 ft. drawdown after 4 1/2 hrs  
 " " " " " "  
 " " " " " "  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water 60 Was a chemical analysis made?  Yes  No

(12) WELL LOG:

Diameter of well below casing 2 1/2"  
 Depth drilled 97 ft. Depth of completed well 90 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
Clay light brown	0	26
Clay (hard) grey	26	30
gravel	30	35
Clay - blue	35	38
gravel - black	38	40
Clay blue	40	44
gravel red, grey - black mixture	44	48
Clay blue	48	53
Clay grey	53	57
Clay blue	57	65
Clay blue	65	71
Sand grey (fine)	71	74
Clay blue	74	85
gravel (black red)	85	90
Clay blue	90	97

Work started 10/10 1965 Completed 12/10 1965  
 Date well drilling machine moved off of well 12/10 1965

(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 Ch. Ellsworth (Person, firm or corporation) (Type or print)  
 Address Box 471  
 Drilling Machine Operator's License No. 282  
 [Signed] Ch. Ellsworth (Water Well Contractor)  
 Contractor's License No. 388 Date 12/25, 1965

NOTICE TO WATER WELL CONTRACTOR

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

STATE OF OREGON WATER WELL REPORT

STATE ENGINEER (Please type or print)

State Well No. 18/45-22 F

State Permit No.

(1) OWNER:

Name Allendal's FARMS  
Address Wildcat, Lake

(2) LOCATION OF WELL:

County MALHEUR Driller's well number 186  
S. 22 1/4 NW 1/4 Section 22 T. 18S R. 45E 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   
Rotary  Driven  Cable  Jetted  Dug  Bored

(6) CASING INSTALLED:

Threaded  Welded   
2 1/4" Diam. from 0 ft. to 15 ft. Gage 250  
" Diam. from 0 ft. to 0 ft. Gage  
" Diam. from 0 ft. to 0 ft. Gage

(7) PERFORATIONS:

Perforated?  Yes  No  
Type of perforator used Mechanical  
Size of perforations 3/8 in. by 4 in.  
3120 perforations from 0 ft. to 0 ft.  
28 perforations from 0 ft. to 135 ft.  
perforations from 0 ft. to 0 ft.  
perforations from 0 ft. to 0 ft.

(8) SCREENS:

Well screen installed?  Yes  No  
Manufacturer's Name  
Model No.  
Diam. Slot size Set from 0 ft. to 0 ft.  
Diam. Slot size Set from 0 ft. to 0 ft.

(9) CONSTRUCTION:

Well seal—Material used in seal Bentonite  
Depth of seal 25 ft. Was a packer used?  
Diameter of well bore to bottom of seal 22 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: 1/2"  
Gravel placed from 0 ft. to 155 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 12 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? Baker & Co.  
Yield: 100 gal./min. with 140 ft. drawdown after 2 hrs.  
" " " " " "  
" " " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m. Date  
Temperature of water 60 Was a chemical analysis made?  Yes  No

(12) WELL LOG:

Diameter of well below casing 22 ft.  
Depth drilled ft. Depth of completed well 155 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
Clay Brown	0	25
Clay Blue	25	45
Gravel Black - Red	45	47
Clay	47	81
Gravel - black fine	81	87
Clay blue	87	93
Sand coarse blue & white	93	100
Clay grey	100	103
Sand coarse - white	103	112
Gravel	112	118
Clay grey sandy	118	130
Sand coarse blue grey, white and yellow	130	136
Clay grey	136	141
Clay grey soft sandy	141	146
Gravel white colored	146	152
Gravel	152	156
Clay	156	162

Work started 12/5 1965 Completed 12/23 1965  
Date well drilling machine moved off of well 12/24 1965

(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 Cliff Ellsworth (Person, firm or corporation) (Type or print)  
Address 421 Island City Oregon  
Drilling Machine Operator's License No. 282  
[Signed] Cliff Ellsworth (Water Well Contractor)  
Contractor's License No. 328 Date 12/25, 1965

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**

**STATE OF OREGON**  
(Please type or print)

State Well No. 18S/45E-22A  
State Permit No. \_\_\_\_\_

(Do not write above this line)

**(1) OWNER:**

Name STEVE USSING  
Address VALE, OREGON 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded

6 " Diam. from 0 ft. to 25 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) PERFORATIONS:**

Perforated?  Yes  No

Size of perforations 1/8 in. by 3 in.  
280 perforations from 20 ft. to 25 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?  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " "  
" " " " " "  
" " " " " "  
Bailer test 10 gal./min. with 15 ft. drawdown after 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 66 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 8 sacks  
How was cement grout placed?  
Pressure Grouted  
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 MALHEUR Driller's well number \_\_\_\_\_  
NE 1/4 SE 1/4 Section 22 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 18 ft.  
Static level 12 ft. below land surface. Date 5-17-79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 25 ft. Depth of completed well 25 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
<u>Fine Sandy Soil</u>	<u>0</u>	<u>18</u>	
<u>Medium Sand</u>	<u>18</u>	<u>25</u>	

Work started 5-17-1979 Completed 5-17-1979  
Date well drilling machine moved off of well 5-17-79

**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] Winfield Page Date 6-10-1979  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address RT 2 BOX 371 VALE, OREGON 97918  
[Signed] Winfield Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 6/10/1979



**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**  
JUN 24 1970  
STATE ENGINEER  
SALEM, OREGON

**WATER WELL REPORT**

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. \_\_\_\_\_

State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Darrell Wheeler  
Address Val Oregon

**(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:**

Threaded  Welded

6" Diam. from 0 ft. to 74 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(5) 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.

**(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) WATER LEVEL: Completed well.**

Static level 95 ft. below land surface Date 5/25/70

Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_

**(9) WELL TESTS:**

Drawdown is amount water level is lowered below static level

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

Flow	gal./min. with	ft. drawdown after	hrs.
_____	_____	_____	_____
_____	_____	_____	_____

Bailer test 10 gal./min. with 35 ft. drawdown after 2 hrs.

Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_

Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

**(10) CONSTRUCTION:**

Well seal—Material used Drilling mud

Depth of seal 145 ft.

Diameter of well bore to bottom of seal 9 in.

Were any loose strata cemented off?  Yes  No Depth \_\_\_\_\_

Was a drive shoe used?  Yes  No

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.

**(11) LOCATION OF WELL:**

County Mal Driller's well number \_\_\_\_\_

NE 1/4 NE 1/4 Section 24 T. 14S R. 45E W.M.

Bearing and distance from section or subdivision corner \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6 ft.

Depth drilled 137 ft. Depth of completed well 137 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 as drilling proceeds. Note drilling rates

MATERIAL	From	To	SWL
<u>top soil</u>	<u>0</u>	<u>1</u>	
<u>Cemented gravel</u>	<u>1</u>	<u>12</u>	
<u>Brown clay</u>	<u>12</u>	<u>45</u>	
<u>sand stone</u>	<u>45</u>	<u>52</u>	
<u>Brown clay</u>	<u>52</u>	<u>64</u>	
<u>yellow sandy clay</u>	<u>64</u>	<u>71</u>	
<u>blue shale</u>	<u>71</u>	<u>133</u>	
<u>Blings sandstone</u>	<u>133</u>	<u>135</u>	
<u>sand</u>	<u>135</u>	<u>137</u>	<u>95'</u>

Work started 5/20 1970 Completed 5/25 1970

Date well drilling machine moved off of well 5/25 1970

**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. J. Page Date 6/2 1970  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 W. L. Haysell (Type or print)  
(Person, firm or corporation)

Address 365 North M. Vale Ore

[Signed] W. L. Haysell (Water Well Contractor)

Contractor's License No. 396 Date 6/2 1970

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.

WATER WELL REPORT

STATE OF OREGON

RECEIVED JUN 2 1970

STATE ENGINEER SALEM, OREGON

State Well No. ....

State Permit No. ....

(1) OWNER:

Name M. S. Reynolds Address Vale, Oregon 97918

(11) LOCATION OF WELL:

County Malheur Driller's well number NE 1/4 NE 1/4 Section 28 T. 18 S. R. 45 E W.M Bearing and distance from section or subdivision corner

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

CASING INSTALLED:

Threaded [ ] Welded [X] Diam from 0 ft to 4 1/2 ft Gage 2.50

PERFORATIONS:

Perforated? [ ] Yes [X] No

Table with 3 columns: Size of perforations, in. by, in. Rows for perforations from 0 to 4 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name, Type, Model No., Slot size, Set from, ft. to

(8) WATER LEVEL: Completed well.

Static level 30 ft below land surface Date 5/8/70 Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [X] No If yes, by whom? Failure test 12 gal./min. with 70 ft. drawdown after 1 hrs. Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? [ ] Yes [X] No

(10) CONSTRUCTION:

Well seal—Material used Drilling mud Depth of seal 18 ft Diameter of well bore to bottom of seal 9 in. Were any loose strata cemented off? [ ] Yes [X] No Depth Was a drive shoe used? [X] Yes [ ] No Did any strata contain unusable water? [ ] Yes [X] No Type of water? depth of strata Method of sealing strata off Was well gravel packed? [ ] Yes [X] No Size of gravel: Gravel placed from ft. to ft.

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 86 ft. Depth of completed well 90 ft

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates

Table with 4 columns: MATERIAL, From, To, SWL. Rows include top soil, sandstone, Brown clay, sandstone, med. sand, Blue clay, Blue sand.

Work started 5-6 1970 Completed 5/8/70 1970 Date well drilling machine moved off of well 5/8/70 1970

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] C. J. Papp Date 5/10, 1970 (Drilling Machine Operator)

Drilling Machine Operator's License No. 65

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 C. H. V. Hassell (Person, firm or corporation) (Type or print)

Address 365 North McVale Ave

[Signed] Glenn E. Hywell (Water Well Contractor)

Contractor's License No. 396 Date 5/10, 1970

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

# WATER WELL REPORT

RECEIVED

50

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

STATE OF OREGON

APR 11 1974

State Well No. ....

(Please type or print)

STATE ENGINEER

State Permit No. ....

(Do not write above this line)

SALEM, OREGON

### (1) OWNER:

Name ROBERT BUTLER  
Address VALE, OREGON 97918

### (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:

Threaded  Welded

6" Diam. from 1 ft. to 33 ft. Gage .250

" Diam. from " ft. to " ft. Gage "

" Diam. from " ft. to " ft. Gage "

### (5) 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?

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

" " " " " "

" " " " " "

Bailer test 12 gal./min. with 200 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 70 Depth artesian flow encountered " ft.

### (9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 18 ft.

Diameter of well bore to bottom of seal " in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal 1 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 Malheur Driller's well number

N.W. 1/4 N.E. 1/4 Section 28 T.18S R.45E W.M.

Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 249 ft.

Static level 45 ft. below land surface. Date 4/4/74

Artesian pressure " lbs. per square inch. Date

### (12) WELL LOG:

Diameter of well below casing 6

Depth drilled 255 ft. Depth of completed well 255 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
Sandy Clay	0	10	
Sandstone	10	23	
Med. Sand	23	30	
Yellow Clay	30	43	
Fine Sandstone	43	56	
Siltstone	56	80	
Fractured Sandstone	80	83	
Med. to coarse sand	83	86	
Blue Clay	86	240	
Very Hard Sandstone (blue)	240	241	
Blue Clay	241	246	
Blue Sandstone	246	248	
Med. & Fine Blueish,			
White Sand	248	255	

Work started 4/1 1974 Completed 4/4 1974

Date well drilling machine moved off of well 4/5 1974

### 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] Manfred D. [Signature] Date 4/5, 1974  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT. 2 - Box 371 VALE, OREGON

[Signed] Manfred D. [Signature]  
(Water Well Contractor)

Contractor's License No. 564 Date 4/5, 1974

### WATER WELL REPORT

STATE OF OREGON  
(Please type or print)

(Do not write above this line)

State Well No. 185/45-25  
State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Robert Butler  
Address Vale, Oregon 97918

**(2) TYPE OF WORK (check):**

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

**(3) TYPE OF WELL:**

Footary  Driven   
Cable  Jetted   
Dug  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
10" Diam. from 0 ft. to 4.2 ft. Gage .250  
" Diam. from " ft. to " ft. Gage  
" Diam. from " ft. to " ft. Gage

**(6) 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Barler test 1.2 gal./min. with 200ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 100 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 4.2 ft.  
Diameter of well bore to bottom of seal 14 in.  
Diameter of well bore below seal 10 in.  
Number of sacks of cement used in well seal 15 sacks  
How was cement grout placed?  
Pressure Grouted  
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 Malheur Driller's well number \_\_\_\_\_  
NW 1/4 NE 1/4 Section 28 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 248 ft.  
Static level 45 ft. below land surface. Date 8/23/79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 10  
Depth drilled 265 ft. Depth of completed well 265 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
Sandy Clay	0	10	
Sandstone	10	23	
Medium Sand	23	30	
Yellow clay	30	38	
Fine sandstone	38	56	
Hard Clay	56	80	
Fractured Sandstone	80	83	
Soft Sandstone	83	86	
Blue clay	86	240	
Hard Sandstone	240	241	
Blue Clay	241	246	
Blue Sandstone	246	248	
Med. Blue & White Sandstone	248	265	

Work started 8/23/79 Completed 8/23/79  
Date well drilling machine moved off of well 8/26/79

**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] Winfield Page Date 9/25/1979  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 Page Bros. Well Drilling  
(Person, firm or corporation) (Type or print)  
Address Rt 2 Box 371 Vale, Oregon 97918

[Signed] Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 9-25-1979



**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**

STATE OF OREGON  
(Please type or print)

(Do not write above this line)

State Well No. 185/45E-2300  
State Permit No. 11113000

**(1) OWNER:**

Name Don Hancock  
Address Vale, Oregon 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
3" Diam. from 0 ft. to 52 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

**(6) PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used factory  
Size of perforations 1 1/4 in. by 4 in.  
380 perforations from 43 ft. to 52 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " "  
" " " " "  
Bailer test 20 gal./min. with 25 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 56 Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used Bentonite  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 12 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 6 sacks  
How was cement placed? Pressure Grouted

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 Malheur Driller's well number  
N.E 1/4 N.E 1/4 Section 28 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 38 ft.  
Static level 25 ft. below land surface. Date 4-21-78  
Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 8

Depth drilled 60 ft. Depth of completed well 60 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
<u>Yellow Clay</u>	<u>0</u>	<u>38</u>	
<u>Fine Sand &amp; Small gravel</u>	<u>38</u>	<u>51</u>	
<u>Fine Blue Sandstone</u>	<u>51</u>	<u>60</u>	

Work started 4-20-78 19 Completed 4-21-78 19  
Date well drilling machine moved off of well 4-21-78 19

**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] Winfield Page Date 4-21-78 19  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAGE PROS. DRILLING  
(Person, firm or corporation) (Type or print)  
Address RT. 2, BOX 371, VALE, OREGON 97918  
[Signed] Winfield Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 4-21-78 19









NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

State Well No. 185/45E-28

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

(Do not write above this line)

State Permit No.

(1) OWNER:

Name: RIMER MC GRAY Address: WALS, OREGON 97310

(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:

6" Diam. from 0 ft. to 56 ft. Gage .250

PERFORATIONS:

Type of perforator used: SOURCE FACTORY Perforated? [ ] Yes [ ] No Size of perforations: 3/16 in. by 31 in. 6 perforations from 50 ft. to 56 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [ ] No Manufacturer's Name: Type: Model No. 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? Yield: gal./min. with ft. drawdown after hrs.

(9) CONSTRUCTION:

Well seal—Material used: Cement Gravel Well sealed from land surface to 13 20 ft. Diameter of well bore to bottom of seal 11 in. Diameter of well bore below seal 6 in. Number of sacks of cement used in well seal 2 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: MALHEUR Driller's well number: NE 1/4 NW 1/4 Section 28 T. 18 R. 45 W.M. Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 50 ft. Static level 45 ft. below land surface. Date 7-8-75 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6 Depth drilled 60 ft. Depth of completed well 60 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.

Table with columns: MATERIAL, From, To, SWL. Rows include: SANDY SOIL (0-1), LT. BROWN CLAY (1-17), BROKEN CHUNKS OF CONGLOMERATE (17-20), SANDY BROWN CLAY (20-43), HARD SANDSTONE CONGLOMERATE (43-50), BROKEN FINE BROWN SANDSTONE (50-56), BLUE CLAY (56-60).

Work started 7-8-75 19 Completed 7-10-75 19 Date well drilling machine moved off of well 7-10-75 19

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] Archie Page Date 7-10-75 19 (Drilling Machine Operator)

Drilling Machine Operator's License No. 729

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: PAGE BIOS, DRILLING (Person, firm or corporation) (Type or print)

Address: RT. 2 BOX 371 WALS, OREGON 97310

[Signed] [Signature] (Water Well Contractor)

Contractor's License No. 564 Date 7-10-75, 19

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.

# WATER WELL REPORT

STATE OF OREGON

(Please type or print) STATE ENGINEER

(Do not write above this line) SALEM, OREGON

RECEIVED

AUG 8 1973

State Well No. ....

State Permit No. ....

### (1) OWNER:

Name WACMA ENERGY INC.  
Address HOLIDAY METEL ONTARIO  
315 SOUTH WINTAR ST LOS ANGELES CALIF

### (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:

2 1/2" Diam. from + 2' 7" ft. to 2' 7" ft. Gage 1375  
" Diam. from ..... ft. to ..... ft. Gage .....  
" Diam. from ..... ft. to ..... ft. Gage .....

### (5) 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 ..... Model No. ....  
Type .....  
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?

Yield: gal./min. with ft. drawdown after hrs.  
" " " "  
" " " "  
Bailer 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 Red mix Concrete  
Well sealed from land surface to 25' ft.  
Diameter of well bore to bottom of seal 24" in.  
Diameter of well bore below seal 0 in.  
Number of sacks of cement used in well seal 2 1/2 yards 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 Malheur Driller's well number .....  
NW 1/4 SE 1/4 Section 28 T. 18S R. 75E W.M.  
Bearing and distance from section or subdivision corner

PERMIT # 002111 # 5  
API - 34-CAS-90001

### (11) WATER LEVEL: Completed well.

Depth at which water was first found NO WATER ft.  
Static level 0 ft. below land surface. Date .....  
Artesian pressure ..... lbs. per square inch. Date .....

### (12) WELL LOG:

Diameter of well below casing 0  
Depth drilled 25' ft. Depth of completed well 25' 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
<u>SOIL SANDY</u>	<u>0</u>	<u>3</u>	
<u>CLAY &amp; BENTONITE</u>	<u>3</u>	<u>10</u>	
<u>CLAY YELLOW</u>	<u>10</u>	<u>25</u>	

Work started 7-30 1974 Completed 7-31 1974  
Date well drilling machine moved off of well 7-31 1974

### 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] Jim Gallonera Date 8-7, 1974  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 102

### 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. HAWAY DRILLING CO.  
(Person, firm or corporation) (Type or print)  
Address ONTARIO, OREGON  
[Signed] Max Hallaway  
(Water Well Contractor)  
Contractor's License No. 16 Date 8-7, 1974

**RECEIVED**

**WATER WELL REPORT**

STATE OF OREGON  
(Please type or print)

State Well No. 185/458-291  
State Permit No. \_\_\_\_\_

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

JUL 11 1977  
(Do not write above this line)

**WATER RESOURCES DEPT.**

**(1) OWNER:**

Name Walc. C. by Well SALEM, OREGON  
Address 1710 - C. - 97915

**(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:**

Threaded  Welded   
16" Diam. from 1 ft. to 21 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 \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_ 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 1 gal./min. with 120 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 55 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Bentonite  
Well sealed from land surface to \_\_\_\_\_ ft.  
Diameter of well bore to bottom of seal \_\_\_\_\_ in.  
Diameter of well bore below seal \_\_\_\_\_ in.  
Number of sacks of cement used in well seal \_\_\_\_\_ 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 Marion Driller's well number \_\_\_\_\_  
SE 1/4 Sec 29 T. 18 R. 55 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 8 ft.  
Static level 35 ft. below land surface. Date 6-8-77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 12  
Depth drilled 155 ft. Depth of completed well 155 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	8	
Medium silt	8	10	
Med. coarse gravel (with fine sand)	10	13	
Med. gravel	13	14	
Med. coarse black sand	14	19	
Blue shale	19	155	

Abandoned.

Cement Plug at 30'  
then filled with bentonite

Work started 4-21 1977 Completed 6-3- 1977  
Date well drilling machine moved off of well 6-8 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] W. J. Pige Date 7-1, 1977  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 Page Bros. Drilling  
(Person, firm, or corporation) (Type or print)

Address Rt. 2 - Box 371 - Vale Ore. 97915

[Signed] W. J. Pige  
(Water Well Contractor)

Contractor's License No. 564 Date 7-1, 1977

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**  
**APR 1 - 1972**  
**STATE ENGINEER STATE OF OREGON**  
 (Please type or print)  
 (Do not write above this line)

State Well No. ....

State Permit No. ....

**(1) OWNER:**

Name Gale Olson  
 Address Vale, Oregon

**(2) TYPE OF WORK (check):**

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

**(3) TYPE OF WELL:**

Rotary  Cable  Dug   
 Driven  Jetted  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
 Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
 6" Diam. from 0 ft. to 35 ft. Gage 250  
 " Diam. from ft. to ft. Gage  
 " Diam. from ft. to ft. Gage

**(6) 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?  
 Id: gal./min. with ft. drawdown after hrs.  
 " " " " " "  
 " " " " " "  
 Bailer test 4 gal./min. with 69 ft. drawdown after 1 hrs.  
 Artesian flow g.p.m.  
 Temperature of water 48' Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
 Well sealed from land surface to 18 ft.  
 Diameter of well bore to bottom of seal 8 in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal 1 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 Malheur Driller's well number  
NW 1/4 SW 1/4 Section 29 T. 185 R. 45 E W.M.  
 Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 57 ft.  
 Static level 13 ft. below land surface. Date 3-29-72  
 Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 115 ft. Depth of completed well 115 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
Sandy Soil	0	14	
Med. grad. med. sand	14	19	
Sandy Brown clay	19	23	
Blue clay	23	54	
Sandy Blue clay	54	57	13
Med. Blue sand	57	58	
Sandy blue clay	58	111	
Sticky blue clay	111	115	

Work started 3-28 1972 Completed 3-29 1972

Date well drilling machine moved off of well 3-29 1972

**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. L. Page Date 4-3, 1972  
 (Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 Hypall Drilling  
 (Person, firm or corporation) (Type or print)

Address Box 368 - Main St. N. Vale Ore.

[Signed] H. L. Hypall  
 (Water Well Contractor)

Contractor's License No. 396 Date 4-3, 1972

# WATER WELL REPORT

STATE OF OREGON

AUG 11 1975

State Well No. 185/471-19

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

(Please type or print) IN RESOURCES DIVISION  
(Do not write above this line) OREGON

State Permit No.

**(1) OWNER:**

Name W. OR SEVEN  
Address 719 COTTAGE ST. E.  
WILSON, OREGON 97151

**(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:**

Threaded  Welded   
6" Diam. from 0 ft. to 23 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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Bailer test 3 gal./min. with 111 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
perature of water 52.1 Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT GROUT  
Well sealed from land surface to 13 ft.  
Diameter of well bore to bottom of seal 9 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 13 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 WASCO Driller's well number  
W 4 S 14 Section 29 T. 16 R. 15 W.M.  
Bearing and distance from section or subdivision corner

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 19 ft.  
Static level 9 ft. below land surface. Date 3-20-75  
Artesian pressure lbs. per square inch. Date

**(12) WELL LOG:**

Diameter of well below casing 6  
Depth drilled 124 ft. Depth of completed well 124 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
TOPSOIL	0	3	
LIME DEPOSIT	6	7	
BROWN CLAY	7	17	
ORIENTED GRAVEL	17	19	
GRAVEL & SAND W/B	19	23	
BLUE CLAY	23	27	
BLUE SANDSTONE	27	28	
BLUE CLAY	28	29	
BLUE SANDSTONE W/B	29	34	
BLUE CLAY	34	61	
BLUE SANDSTONE	61	64	
BLUE CLAY	64	124	

Work started 3-25-75 19 Completed 3-20-75 19  
Date well drilling machine moved off of well 3-20-75 19

**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] Archie W. Page Date 05A 3-20-75  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 722

**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 PAGE COS. DRILLING  
(Person, firm or corporation) (Type or print)

Address RT. 2 BOX 371 W.E. GREGG 97010

[Signed] W. H. Field Page  
(Water Well Contractor)

Contractor's License No. 564 Date 3-23-75 19

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

# WATER WELL REPORT

**RECEIVED**

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

STATE OF OREGON  
(Please type or print)

OCT 23 1974

State Well No. \_\_\_\_\_

STATE ENGINEER

State Permit No. \_\_\_\_\_

(Do not write above this line)

SALEM, OREGON

**(1) OWNER:**

Name DORANCE SENGDADE  
Address VALE, OREGON

**(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:**

Threaded  Welded

6" Diam. from 1 ft. to 20 1/2 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 \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_  
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?  
Yield: gal./min. with ft. drawdown after hrs.  
" " " " " "  
" " " " " "  
Pailer test 7 gal./min. with 96 ft. drawdown after 1 hrs.  
Artesian flow g.p.m.  
Temperature of water 50 Depth artesian flow encountered ft.

**(9) CONSTRUCTION:**

Well seal—Material used CEMENT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 8 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 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 MALHEUR Driller's well number \_\_\_\_\_  
SW 1/4 NW 1/4 Section 30 T. 13 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 21 ft.  
Static level 6 13' ft. below land surface. Date 10-2-74  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 105 ft. Depth of completed well 105 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	3	
LIME DEPOSIT	3	4	
SOFT BROWN CLAY	4	20	
CEMENTED GRAVEL	20	21	
GRAVEL & SAND W/B static 9	21	26	
BLUE CLAY	26	33	
BROKEN BLUE SHALE W/B st. 16	33	37	
LIME CLAY	37	98	
LIME BED W/B static 13'	98	101	
LIME CLAY	101	105	

Work started 9-29 19 74 Completed 10-2-74 19  
Date well drilling machine moved off of well 10-2-74 19

**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. J. P. Reese Date 10-2-74 19  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 PAGE ROSS DRILLING  
(Person, firm or corporation) (Type or print)

Address 41. 2 BOX 211 VALE, OREGON 97310

[Signed W. J. P. Reese  
(Water Well Contractor)

Contractor's License No. 564 Date 10-2-74 19

NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

State Well No. ....

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

(Do not write above this line)

State Permit No. ....

(1) OWNER:

Name Clyde Bitter  
Address 708 - Yakima St. S Vale, Oregon

(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

(5) CASING INSTALLED:

Threaded  Welded

6" Diam. from 7 ft. to 27 ft. Gage .250  
" Diam. from ..... ft. to ..... ft. Gage .....  
" Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:

Perforated?  Yes  No.

Type of perforator used Torch  
Size of perforations 1 in. by 5 in.  
25 perforations from 20 ft. to 25 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?  
" gal./min. with " ft. drawdown after " hrs.  
" " " " " "  
" " " " " "  
Bailer test 15 gal./min. with 6 ft. drawdown after 1 hrs.  
Artesian flow ..... g.p.m.  
Temperature of water 60 Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:

Well seal—Material used Cement  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 8 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 1 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 Malheur Driller's well number .....  
N.E. 1/4 SE 1/4 Section 30 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner .....

(11) WATER LEVEL: Completed well.

Depth at which water was first found 16 ft.  
Static level 10 ft. below land surface. Date 3-4-73  
Artesian pressure ..... lbs. per square inch. Date .....

(12) WELL LOG:

Diameter of well below casing 0  
Depth drilled 26 ft. Depth of completed well 26 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
Clay	0	15	10
Medium Fine Sand	15	25	
Blue Clay	25	26	

Work started 3-4 19 73 Completed 3-4 19 73  
Date well drilling machine moved off of well 3-5 19 73

**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] Walter P. Page Date 3/26 19 73  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)  
Address Rt. 2, Box 371, Vale, Oregon  
[Signed] Walter P. Page  
(Water Well Contractor)  
Contractor's License No. 564 Date 3-26 19 73



4/2/73

NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. ....

State Permit No. ....

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

(1) OWNER:

Name Clyde Pitter Address 708- Yakima St. Vale, Oregon

(2) TYPE OF WORK (check):

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

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

6" Diam. from 1 ft. to 28 ft. Gage .250

(6) PERFORATIONS:

Perforated? [X] Yes [ ] No. Type of perforator used Torch. Size of perforations 25 in. by 5 in. 27 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No. Manufacturer's Name Type Model No. 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 [X] No. If yes, by whom? Bailer test 12 gal./min with 10 ft. drawdown after 1 hrs.

(9) CONSTRUCTION:

Well seal—Material used Cement. Well sealed from land surface to 18 ft. Diameter of well bore to bottom of seal 8 in. Diameter of well bore below seal 6 in. Number of sacks of cement used in well seal 1 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? [X] Yes [ ] No. Plugs Size: location ft. Did any strata contain unusable water? [ ] Yes [X] No. Type of water? depth of strata. Method of sealing strata off. Was well gravel packed? [X] Yes [ ] No. Size of gravel: Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Malheur Driller's well number NE 1/4 SE 1/4 Section 30 T. 18 R. 45 W.M. Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 17 ft. Static level 14 ft. below land surface. Date 3-5-73. Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6. Depth drilled 30 ft. Depth of completed well 30 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.

Table with columns: MATERIAL, From, To, SWL. Rows: Clay (0-17), Medium To Coarse Gravel (17-28), Blue Clay (28-30)

Work started 3-5 1973 Completed 3-5 1973 Date well drilling machine moved off of well 3-6 1973

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. J. ... Date 3/26, 1973. Drilling Machine Operator's License No. 65

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 PACB TECHNICAL DRILLING (Person, firm or corporation) (Type or print) Address RT. 1- Box 371- VALE, OREGON [Signed] W. J. ... (Water Well Contractor) Contractor's License No. 564 Date 3-26, 1972

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

# WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 18-45-3/2

State Permit No. \_\_\_\_\_

### (1) OWNER:

Name RAY HUFF  
Address 505 S WEST STREET  
VALLE, OREGON 97918

### (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

### (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 30 ft. Gage #250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### (6) 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?

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

Bailer test 10 gal./min. with 90 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 52 Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used Cement  
Well sealed from land surface to 30 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 13 sacks  
How was cement grout placed?

Pressure Grouted

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 WALHEUR Driller's well number  
SW 1/4 SE 1/4 Section 30 T. 18 R. 45 W.M.

Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 18 ft.

Static level 10 ft. below land surface. Date 8-10-79

Artesian pressure lbs. per square inch. Date

### (12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 130 ft. Depth of completed well 130 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
Topsoil	0	2	
Hard Brown Clay	2	12	
Light Brown Fine Sand	12	16	
Cemented Gravel	16	18	
Gravel & Sand	18	25	10
Blue Clay	25	49	
Broken Sandstone	49	51	9
Blue Clay	51	126	
Broken Blue Soapstone	126	150	9

RECEIVED

OCT 25 1979

WATER RESOURCES DEPT  
SALEM, OREGON

Work started 8-27-79 Completed 8-30-1979

Date well drilling machine moved off of well 8-30-1979

### 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] Charlie W Page Date 10-02-1979  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 729

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALLE, OREGON 97918

[Signed] Winfred Page  
(Water Well Contractor)

Contractor's License No. 564 Date 10-02-1979





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

# [ WATER WELL REPORT ]

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

STATE OF OREGON  
(Please type or print)

State Well No. 18S/45E-3C1C  
State Permit No. \_\_\_\_\_

(Do not write above this line)

**(1) OWNER:**

Name Del Colerick  
Address Box 144 - Vale, Oregon 97918

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
6" Diam. from 0 ft. to 62 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**(6) 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? \_\_\_\_\_  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
" " " " " " "  
" " " " " " "  
Bailer test 0 gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water 76 Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 6 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 3 sacks  
How was cement grout placed? Pressure Grouted

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 Malheur Driller's well number \_\_\_\_\_  
S.W.  $\frac{1}{4}$  N.W.  $\frac{1}{4}$  Section 32 T. 18 R. 45 W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 0 ft.  
Static level 0 ft. below land surface. Date 5-12-79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing 6

Depth drilled 235 ft. Depth of completed well 235 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
Yellow Clay	0	62	
Blue Clay	62	195	
Blue Fine Sandstone	195	230	
Blue Clay	230	235	

Work started 5-11-1979 Completed 5-12-1979  
Date well drilling machine moved off of well 5-12-1979

**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] Winfield Page Date 5-14-1979  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT. BOX 371 - VALE, OREGON 97918

[Signed] Winfield Page  
(Water Well Contractor)

Contractor's License No. 564 Date 5-14-1979

DRILL HOLE LOG - COVER SHEET

LOCATION

<sup>1</sup>Township/Range/Section 18S/41E - 32ab <sup>1</sup>State Oregon  
<sup>4</sup>Topo. Quad. Vale East 7 1/2 <sup>1</sup>AMS Quad. Boise  
 Elevation 2290 feet <sup>2</sup>698 meters [Source USGS 7 1/2]  
<sup>1</sup>Latitude 43° 57' 32" N <sup>1</sup>Longitude 117° 13' 52"  
<sup>1</sup>Hole Owner (and Number) Dr. Cole Rick <sup>3</sup>Vale, Or.

<sup>1</sup>Date(s) Logged 5/1/80 <sup>4</sup>Inclination & Bearing Vertical  
<sup>1</sup>Geologic Province Western Snake Basin Flow

KEY INFORMATION

<sup>2</sup>Depth Logged 273m <sup>2</sup>Max. Temp. 21.18 <sup>2</sup>Bottom Hole Temp. 23.18  
<sup>2</sup>Depth to Water 26.25m <sup>2</sup>Min. Temp. 17.18 <sup>2</sup>Surface Temp. \_\_\_\_\_

DRILLING INFORMATION

Drilling Contractor and Address Page Bros Drilling Vale, Or.  
<sup>2</sup>Drilling Dates 5/12/79  
 Drilling Method air rotary Drilled Depth 235'  
 Hole Size and Casing Record 6" to 6.25"

Comments \_\_\_\_\_

TERRAIN INFORMATION

Ground Cover, Collar grass; Within 150 m same as background  
 Topographic Setting, Local gentle slope; Regional Valley  
 Relief, Local (m) 20m; Regional (m) 15  
 Slope Orientation, Local W; Regional W  
 Slope Angle, Local \_\_\_\_\_; Regional \_\_\_\_\_

HEAT FLOW INFORMATION

Shape of T-D Curve Linear Quality of Gradient B  
 Purpose of Hole Test - geothermal  
<sup>4</sup>Geologic Log (include aquifers) 6-62 Sandy yellow clay; 62-195  
 silty clay; 195-230 bluish sh. fine ss; 230-235 ~~235~~ blue clay  
<sup>4</sup>Geophysical Logs Available None  
 Thermal Conductivity Samples None  
<sup>4</sup>Radioactivity Samples None

References \_\_\_\_\_

Comments owner drilled as a test for geothermal on this property

B	A
C	D

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 183/44c-239

State Permit No.

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.

(1) OWNER:

Name NEIL HIATT
Address VALE, OREGON 97918

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

(5) CASING INSTALLED:

Threaded [ ] Welded [X]
6" Diam. from +1 ft. to 19 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) 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.

(7) SCREENS:

Well screen installed? [ ] Yes [X] 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 [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Bailer 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 CEMENT
Well sealed from land surface to 19 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 6 sacks
How was cement grout placed? PRESSURE GROUTED

Was a drive shoe used? [X] Yes [ ] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No

Type of water depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County MALHEUR Driller's well number
NE 1/4 NE 1/4 Section 23 T. 18 R. 44 W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 95 ft.
Static level 38 ft. below land surface. Date 6/27/80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"
Depth drilled 308 ft. Depth of completed well 308 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.

Table with columns: MATERIAL, From, To, SWL. Rows include Top Soil, Brown Clay, Medium Sand & Gravel, Brown Clay, Soft Brown Sandstone, Brown Clay, Blue Clay w/ Streaks of Sand.

RECORDED

AUG 7 1980

WATER RESOURCES DEPT
SALEM, OREGON

Work started 6/27/80 19 Completed 6/27/80 19

Date well drilling machine moved off of well 6/27/80 19

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] Archie W. Page Date 6/27/80, 19...
(Drilling Machine Operator)

Drilling Machine Operator's License No. 729

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 PAGE BROTHERS DRILLING
(Person, firm or corporation) (Type or print)

Address RT. 2, BOX 3, VALE, OREGON 97918

[Signed] Winfield Page
(Water Well Contractor)

Contractor's License No. 564 Date 6/27/80, 19...

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

# WATER WELL REPORT

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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 195/422-240

State Permit No. \_\_\_\_\_

### (1) OWNER:

Name RAY ANDERSON  
Address RT 1 BOX 60 VALE, OREGON 97918

### (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

### (5) CASING INSTALLED:

Threaded  Welded   
6" Diam. from 0 ft. to 24 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### (6) 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?

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

Bailer test 25 gal./min. with 280 ft. drawdown after 1 hrs.

Artesian flow g.p.m.

Temperature of water 90 Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used CEMENT  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 10 in.  
Diameter of well bore below seal 6 in.  
Number of sacks of cement used in well seal 7 sacks  
How was cement grout placed? PRESSURE GROUTED

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 MALHEUR Driller's well number  
SW 1/4 SE 1/4 Section 24 T. 19 R. 42 W.M.

Bearing and distance from section or subdivision corner

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 350 ft.

Static level 20 ft. below land surface. Date 6/30/80

Artesian pressure lbs. per square inch. Date

### (12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 480 ft. Depth of completed well 480 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 w/ Boulders	0	21	
Yellow Clay	21	40	
Brown Clay	40	80	
Red Clay	80	100	
Blue Clay	100	330	
Black Rock	330	335	
Yellow Clay	335	350	
Blue Clay	350	480	20

**REGISTERED**

AUG 7 1980

WATER RESOURCES DEPT  
SALEM, OREGON

Work started 6/27/80 19 Completed 6/30/80 19

Date well drilling machine moved off of well 6/30/80 19

### 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] Winifred Page Date 7/21/80, 19 80  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 65

### 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 PAGE BROTHERS DRILLING  
(Person, firm or corporation) (Type or print)

Address RT 2 BOX 371 VALE OREGON 97918

[Signed] Winifred Page  
(Water Well Contractor)

Contractor's License No. 564 Date 7/21/80, 19 80



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.

# RECORDED WATER WELL REPORT

STATE OF OREGON  
 AUG 07 1980  
 (Please type or print)

State Well No. 195/42E-301

WATER RESOURCES DEPT  
 SALEM, OREGON

State Permit No. \_\_\_\_\_

Page 1 of 2

**(1) OWNER:**

Name NINE MILE FARMS  
 Address 197 A ST E BOX 329 VALE, OREGON

**(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

**(5) CASING INSTALLED:**

Threaded  Welded   
6 " Diam. from 0 ft. to 182 ft. Gage # 250  
12 " Diam. from 0 ft. to 14 ft. Gage # 250  
 " Diam. from " ft. to " ft. Gage "

**(6) 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?  
 Yield: gal./min. with ft. drawdown after hrs.  
 " " " " "  
 " " " " "  
 Bailer test 90 gal./min. with 150 ft. drawdown after 1 hrs.  
 Artesian flow 7 g.p.m.  
 Temperature of water 120 Depth artesian flow encountered 185 ft.

**(9) CONSTRUCTION:**

Well seal—Material used Cement  
 Well sealed from land surface to 182 ft.  
 Diameter of well bore to bottom of seal 12 in.  
 Diameter of well bore below seal 6 in.  
 Number of sacks of cement used in well seal 40 sacks  
 How was cement grout placed? PRESSURE GROUTED  
 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 MAHUR Driller's well number \_\_\_\_\_  
NW 1/4 NW 1/4 Section 30 T.19S R. 42E W.M.  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 150 ft.  
 Static level 0 ft. below land surface. Date 6/27/80  
 Artesian pressure 4 lbs. per square inch. Date 6/27/80

**(12) WELL LOG:**

Diameter of well below casing 6"  
 Depth drilled 510 ft. Depth of completed well 510 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
Gravelly Clay	0	12	
Fractured Fine Basalt	12	35	
Black Basalt	35	50	
Brown Basalt	50	85	
Bluish Basalt	85	100	
Bluish Basalt Harder	100	120	
Blue Basalt	120	145	
Red Basalt	145	150	
White Sandstone Fractured			
Fine	150	165	
Fine Brown Sandstone	165	185	
Coarse Sandstone	185	200	
Brown Basalt	200	205	
Coarse Hard Sandstone	205	240	
Clay Blue	240	250	
Clay Blue	250	260	
Fine Clay	260	285	
Coarse Sandstone	285	300	
Coarse Sandstone	300	320	

Work started 6/15/80 Completed 6/27/80  
 Date well drilling machine moved off of well 6/27/80

**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] Winfield Page Date 6/30/80  
 (Drilling Machine Operator)  
 Drilling Machine Operator's License No. 65

**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 PAGE BROTHERS DRILLING  
 (Person, firm or corporation) (Type or print)  
 Address RT 2 BOX 371 VALE, OREGON 97918  
 [Signed] Winfield Page  
 (Water Well Contractor)  
 Contractor's License No. 564 Date 6/30/80, 19\_\_\_\_

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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 185/452-19

State Permit No. \_\_\_\_\_

### (1) OWNER:

Name Rev. Ron Stroud  
Address P.O. Box 413  
Vale, Oregon 97918

### (2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

### (3) TYPE OF WELL:

Footary  Driven   
Cable  Jetted   
Dug  Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) CASING INSTALLED:

8" Diam. from 0 ft. to 31 ft. Gage 250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

### (6) 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? Driller  
Yield: 9 gal./min. with 74 ft. drawdown after 2 hrs.  
" " " " " "  
" " " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 62 Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used Cement  
Well sealed from land surface to 29 ft.  
Diameter of well bore to bottom of seal 12 in.  
Diameter of well bore below seal 8 in.  
Number of sacks of cement used in well seal 27 sacks  
How was cement grout placed? with grout pump

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 Malheur Driller's well number 79-2  
Lot 2000 ¼ Section 19 T. 18S R. 45E W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

### (11) WATER LEVEL: Completed well.

Depth at which water was first found 85 ft.  
Static level 44 ft. below land surface. Date 5/20/79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing 8"  
Depth drilled 200 ft. Depth of completed well 200 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	3	
Clay, hard, gray	3	24	
Clay, gray	24	85	
Clay, blue, water bearing	85		44
Clay, blue	85	200	44

RECEIVED

NOV 20 1979

WATER RESOURCES DEPT  
SALEM, OREGON

Work started 5/18 19 79 Completed 5/22 19 79

Date well drilling machine moved off of well 5/22 19 79

### 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] Charles H. Hysell Date 11-8, 19 79  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 90

### 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 PIONEER WATER DEVELOPMENT, INC.  
(Person, firm or corporation) (Type or print)

Address Rt. 3 Box 493 Ontario, Oregon 97914

[Signed] Charles H. Hysell  
(Water Well Contractor)

Contractor's License No. 396 Date 11-8, 19 79

DRILL HOLE LOG - COVER SHEET

LOCATION

<sup>1</sup>Township/Range/Section 18S / 45E - 29B G 2 <sup>1</sup>State Oregon  
<sup>4</sup>Topo. Quad. Vale East 7 1/2 <sup>1</sup>AMS Quad. Boise  
 Elevation 2240 feet <sup>2</sup> meters [Source USGS 7 1/2]  
<sup>1</sup>Latitude 43° 58' 45" N <sup>1</sup>Longitude 117° 14' 07"  
<sup>1</sup>Hole Owner (and Number) City of Vale  
<sup>1</sup>Date(s) Logged 7/30/80 <sup>4</sup>Inclination & Bearing Vertical  
<sup>1</sup>Geologic Province Western Snake River Plain

KEY INFORMATION

<sup>2</sup>Depth Logged 38m <sup>2</sup>Max. Temp. 34.97 <sup>2</sup>Bottom Hole Temp. 34.97  
<sup>2</sup>Depth to Water <10m <sup>2</sup>Min. Temp. 30.57 <sup>2</sup>Surface Temp. \_\_\_\_\_

DRILLING INFORMATION

Drilling Contractor and Address Page Bros Well Drilling  
Vale, Or. <sup>2</sup>Drilling Dates week of 7/21/80  
 Drilling Method Air Rotary Drilled Depth 200' (61m)  
 Hole Size and Casing Record 8" surface casing to ? ft.

Comments \_\_\_\_\_

TERRAIN INFORMATION

Ground Cover, Collar Sparse Sage; Within 150 m Same  
 Topographic Setting, Local Riv Bed Flank; Regional Valley  
 Relief, Local (m) 80m; Regional (m) 215m  
 Slope Orientation, Local WNW; Regional W  
 Slope Angle, Local \_\_\_\_\_; Regional \_\_\_\_\_

HEAT FLOW INFORMATION

Shape of T-D Curve Curve Quality of Gradient C  
 Purpose of Hole Loc. HF  
<sup>4</sup>Geologic Log (include aquifers) none  
<sup>4</sup>Geophysical Logs Available none  
 Thermal Conductivity Samples none  
<sup>4</sup>Radioactivity Samples none

References \_\_\_\_\_

Comments could probably get logs from Page Bros Drilling  
City didn't have them

B	A
C	D

DRILL HOLE LOG - COVER SHEET

LOCATION

<sup>1</sup>Township/Range/Section 18S/45E-29601 <sup>1</sup>State Oregon  
<sup>4</sup>Topo. Quad. Vale East 7 1/2 <sup>1</sup>AMS Quad. BOISE  
Elevation 2240 feet <sup>2</sup>683 meters [Source USGS 7 1/2']  
<sup>1</sup>Latitude 43° 58' 42" N <sup>1</sup>Longitude 117° 14' 10"  
<sup>1</sup>Hole Owner (and Number) City of Vale

<sup>1</sup>Date(s) Logged 7/29/80 <sup>4</sup>Inclination & Bearing Vertical  
<sup>1</sup>Geologic Province Western Snake River Plain

KEY INFORMATION

<sup>2</sup>Depth Logged 17 1/2 m <sup>2</sup>Max. Temp. 21.18 <sup>2</sup>Bottom Hole Temp. 21.18  
<sup>2</sup>Depth to Water ~~10.18 m~~ 4.1 m <sup>2</sup>Min. Temp. 20.33 <sup>2</sup>Surface Temp. \_\_\_\_\_

DRILLING INFORMATION

Drilling Contractor and Address Page Bros Well Drilling; Vale, Oregon  
<sup>2</sup>Drilling Dates 5/80  
Drilling Method Air Rotary Drilled Depth 80' (24M)  
Hole Size and Casing Record 6" surface casing to ? ft.

Comments \_\_\_\_\_

TERRAIN INFORMATION

Ground Cover, Collar Sparse vegetation; Within 150 m Same  
Topographic Setting, Local RIV BED FLANK; Regional VALLEY  
Relief, Local (m) 8m; Regional (m) 215m  
Slope Orientation, Local WIND; Regional W  
Slope Angle, Local \_\_\_\_\_; Regional \_\_\_\_\_

HEAT FLOW INFORMATION

Shape of T-D Curve ? Quality of Gradient D  
Purpose of Hole LOW HF  
<sup>4</sup>Geologic Log (include aquifers) None  
<sup>4</sup>Geophysical Logs Available None  
Thermal Conductivity Samples None  
<sup>4</sup>Radioactivity Samples None

References \_\_\_\_\_

Comments cover had been popped off well - prob kids throwing things in it.

B	A
C	D

TEMPERATURE-DEPTH LOG

Hole Name City of Vale (shallow) Twp/Rg/Sec 18S / 45E / 29  
Company/Owner (address) Above Hole No. 18S / 45E - 29ba 1  
Map Vale East 7 1/2 Drill Depth & Date 5 / R 80 Zero Elev. 2240  
Probe, Cable, Bridge WB 2- Operator GL Black  
Comments \_\_\_\_\_ Date Probed 7/29/80

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
10	3.9500	20.38		
<del>15</del> 12 1/2	3.8816	21.01		
15	3.8639	21.12		
17 1/2	3.8542	21.18		
20	bottom			
22 1/2				



DRILL HOLE LOG - COVER SHEET

SC 32 00

LOCATION

1Township/Range/Section 18S/43E-2000 1State Oregon  
4Topo. Quad. Vale East 7 1/2 1AMS Quad. Bosse  
Elevation 2240 feet 2 683 meters [Source USGS 7 1/2 ]  
1Latitude 43 57' 00" 1Longitude 101 11' 30"  
1Hole Owner (and Number) Griggs Agency

1Date(s) Logged 6/25/50 4Inclination & Bearing Vertical  
1Geologic Province \_\_\_\_\_

KEY INFORMATION

2Depth Logged \_\_\_\_\_ 2Max. Temp. \_\_\_\_\_ 2Bottom Hole Temp. \_\_\_\_\_  
2Depth to Water <10m 2Min. Temp. \_\_\_\_\_ 2Surface Temp. \_\_\_\_\_

DRILLING INFORMATION

Drilling Contractor and Address Page Brothers Drilling; Vale, Or.  
2Drilling Dates 5/23/50 - 5/26/50 ended 3 days before logged  
Drilling Method air rotary Drilled Depth 1000' (305m)  
Hole Size and Casing Record 6" to 2 3/8"

Comments \_\_\_\_\_

TERRAIN INFORMATION

Ground Cover, Collar Soil; Within 150 m same as coll. trees, buildings  
Topographic Setting, Local flat; Regional \_\_\_\_\_  
Relief, Local (m) \_\_\_\_\_; Regional (m) \_\_\_\_\_  
Slope Orientation, Local zero; Regional \_\_\_\_\_  
Slope Angle, Local \_\_\_\_\_; Regional \_\_\_\_\_

HEAT FLOW INFORMATION

Shape of T-D Curve Linear Quality of Gradient A

Purpose of Hole water

4Geologic Log (include aquifers) See reverse

4Geophysical Logs Available none

Thermal Conductivity Samples cuttings

4Radioactivity Samples none

References \_\_\_\_\_

Comments hole has caved in at 1000'; owners may deepen, will contact dept. for logging if they do; planned to use well as hot water supply for alcohol plant; hole is making a little gas

B	A
C	D

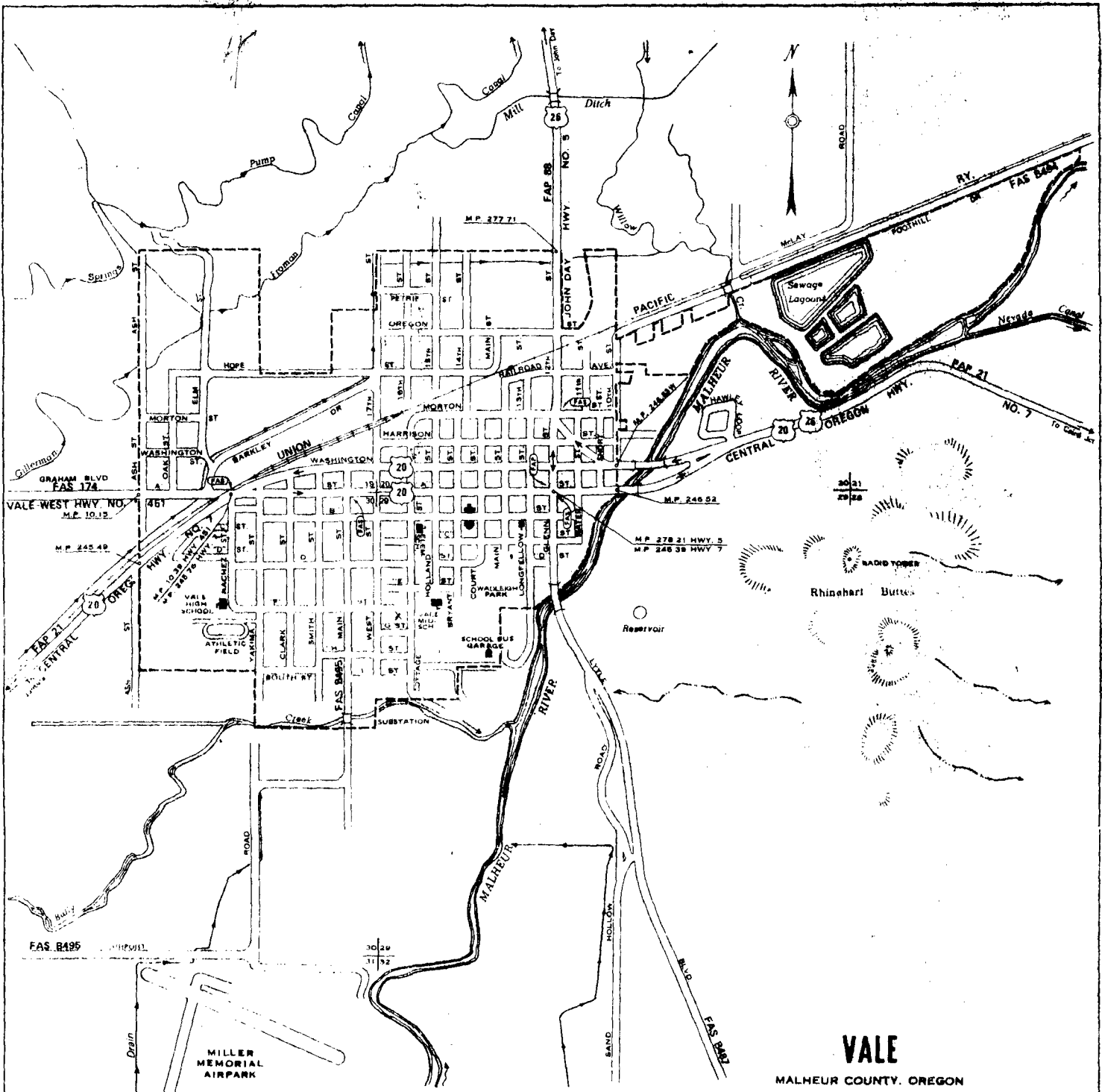
TEMPERATURE-DEPTH LOG

Hole Name Griggs Agency Twp/Rg/Sec 18S / 45E / 20  
 Company/Owner (address) above Vale, Or. Hole No. 18S / 45E - 2000  
 Map Vale East 7 1/2 Drill Depth & Date 1027 5/80 Zero Elev. 2240'  
 Probe, Cable, Bridge WIR2 Operator GL Black  
 Comments \_\_\_\_\_ Date Probed 6/25/80

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
10	5.1240	14.19		
15	4.9607	14.97	15.6	
20	4.8273	15.63	13.2	
25	4.6990	16.28	13.0	
30	4.5847	16.89	12.2	
35	4.4749	17.48	11.8	
40	4.3587	18.13	13.0	
45	4.2574	18.71	11.6	
50	4.1366	19.42	14.2	
55	4.0328	20.02	12.6	
60	3.9233	20.74	13.8	
65	3.8133	21.45	14.2	
70	3.7035	22.19	14.8	
75	3.6131	22.81	12.2	
80	3.5122	23.55	14.4	
85	3.4117	24.27	14.8	
90	3.3100	25.04	15.4	
95	3.2094	25.84	16.0	
100	3.1262	26.52	13.6	
<del>105</del> 100.5m	3.1228	26.54		
110				



*Dorinda Maplin  
545 E 5400*

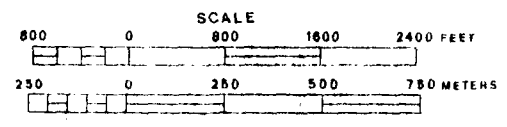


T. 18 S., R. 48 E. W. 4

**VALE**  
MALHEUR COUNTY, OREGON  
PREPARED BY THE  
OREGON DEPARTMENT OF TRANSPORTATION  
IN COOPERATION  
U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
  
Revised April 1978  
Population 1,850

**LEGEND**

- |  |                           |  |             |  |                 |
|--|---------------------------|--|-------------|--|-----------------|
|  | INTERSTATE NUMBERED ROUTE |  | POST OFFICE |  | PUBLIC BUILDING |
|  | U.S. NUMBERED ROUTE       |  | SCHOOL      |  | COURT HOUSE     |
|  | STATE NUMBERED ROUTE      |  | CITY CENTER |  | CITY HALL       |
|  | ELIMINATION OF LA SYSTEM  |  | CITY LIMITS |  | ARMORY          |
|  | DIVIDED HIGHWAY           |  | PUBLIC AREA |  | LIBRARY         |
|  | STREET OPEN FOR TRAVEL    |  |             |  |                 |

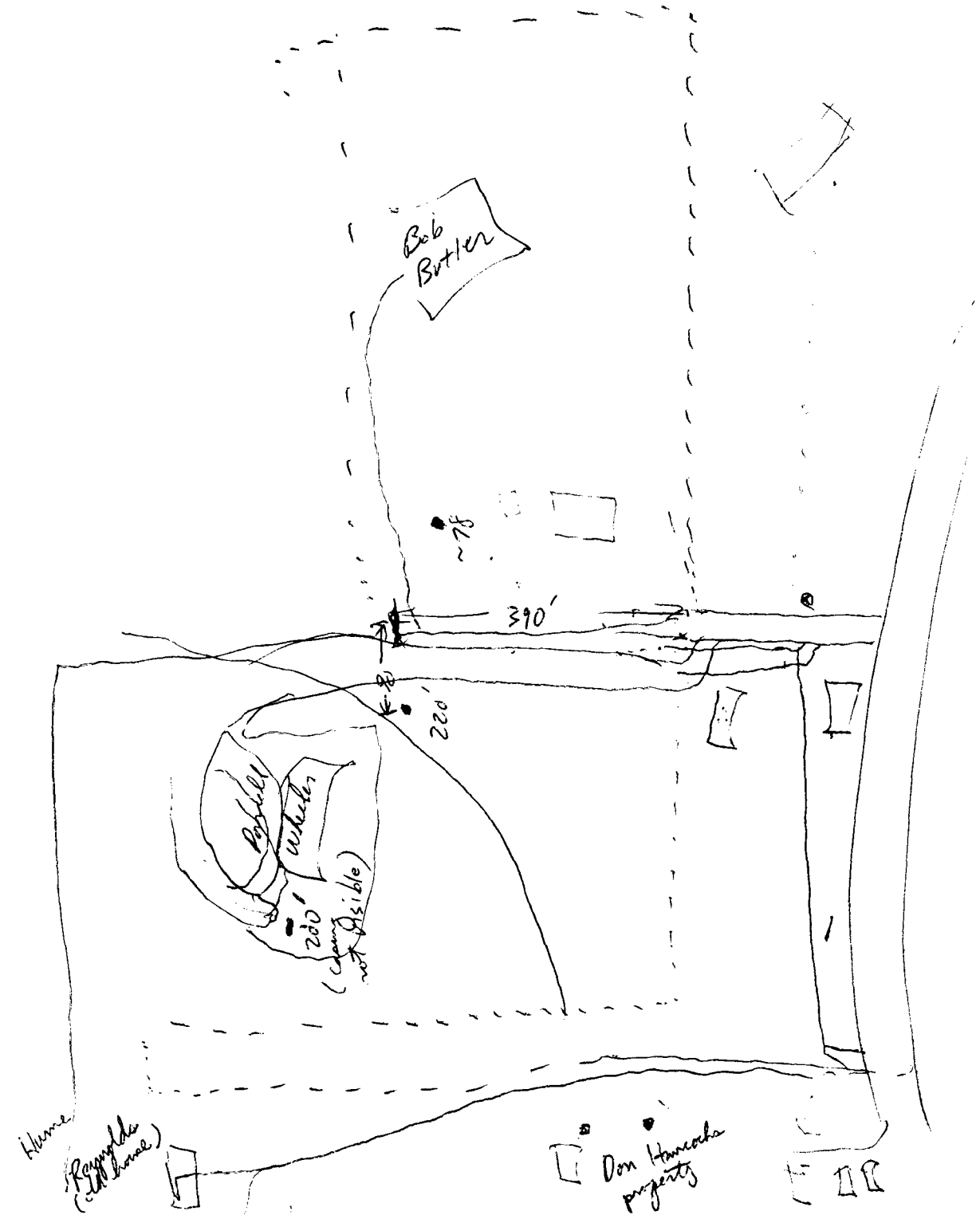


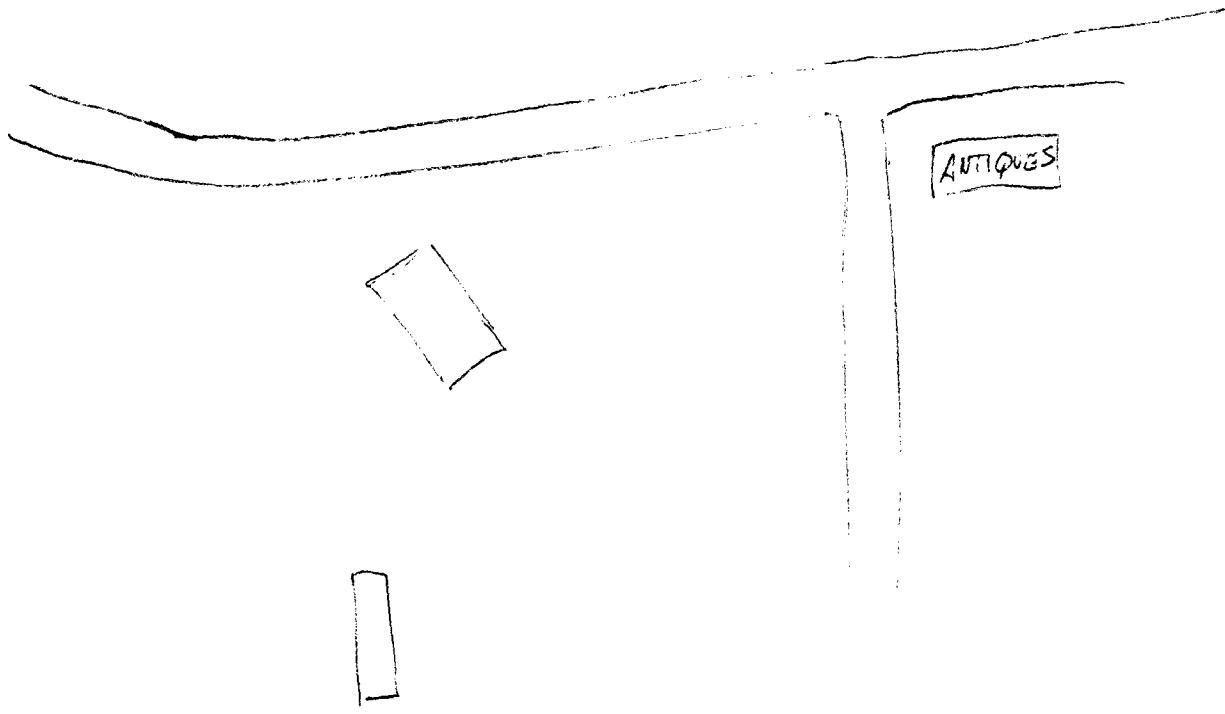
Copies of this map are available at nominal cost from Oregon Dept. of Transportation, Salem, Oregon 97310.



Map drawn by Dinell Wheeler 9/17/80

Ron Martin - owns parcel NE of Vale, wants to start an ethanol plant





ANTIQUES

Jack Walker — #6 well log 62° F , 342'  
P.O. Box 426 , Vale 473-2588  
Called 9/16/80 No reply @ 3:00 p.m.  
8:30 p.m.

Called 9/17/80 Talked to his daughter and got  
exact location — will have Mr. Walker call collected to  
SLC about taking water sample

Timothy M. Smith #9 well log 68° F , 370'  
Rt. 2 , Vale 473-2517  
Number disconnected — no name listed w/Vale  
directory assistance

Elvard Roy #15 well log 68° F , 315'  
Rt. 2 , Box A-25 Vale 473-2360  
Called 9/16/80 No reply @ 3:00 p.m.  
Come out Elm St. goes north , 4 blocks past  
old gravel pit turn rt. , go 2 blocks , left  
1/4 miles — only house in the area.  
Mr. Roy will let us sample the water , could  
run temperature probe if we let him know  
ahead of time.

Patrick A. Tindall #29 well

48° F, 138'

Called 9/16/80

473-3678

No reply at

3:00 p.m.

8:30 p.m.

Chris Freese

#30 well (NW Townsite  
Vale Block 24  
Tax Lot 1001)

56° F, 208'

524 Ash St

#31 well &

(Rt. 2, Box D2)

52° F, 227'

473-3407

Both wells at 524 Ash St. one pumping,  
the other uncapped and accessible for a temperature probe.  
Can sample either one and make analysis as  
long as it "doesn't tell me the water isn't fit to  
drink."

James Hawley #36 well

200° F, 680'

P.O. Box 225

473-2878

Called 9/16/80

No reply at

3:00 p.m.

Called 9/17/80

9:00 p.m.

No reply at

9:00 a.m.

Tamistern, Oregon

Capped, not pumped. Well driller in Jamieson was  
behind Pioneer Development, Inc.

~~Box~~ Own two wells (also a 25 footer) but  
 could 100' well originally drilled for groundwater, but  
~~was~~ didn't get temperature. They used to own  
 the Yale greenhouse.

Cyril Fishman #39 well 67°F, 100'  
 1213 W. S.W. 16th Av 473-2615  
 (Box 400)

Don Hancock #60 well 58°F, 200'  
 303 Smith St. South  
 Tax lot 407 473-3213 (W)  
 Only one one well near (60' well) although  
 both wells pump from the same water source. We  
 would be welcome to sample it

Daniel Wheeler #62 well 78°F, 250'  
 Box 41 473-2186  
 Tax lot 202  
 Two wells, second 200', pumps below water  
 level (state 40', pumps at 160') but the  
 same temperature.

Robert Butler

Herman Olson # 64 well 60°F at 61'  
Box 674 473-2418  
Called 9/16/80 No reply at 3:00 p.m.  
9:30 p.m.  
Try to call back 9/18 or 9/19

Del Colerick

473-3733 (only at night)  
In 700 Tox block (location doesn't give w/well  
Gary Black tested and ran <sup>log</sup> temp - depth log  
DOGAMI (???)  
Cased through the good water  
Lydel Blvd -  
Page Bros. Drilling will soon another well

Stam Dentinger

# 38

70° F , 83'  
473-3346  
will return to Vale on 9/19 or  
9/20

Called 9/16/80

Allen Anthony

# 41 will

110° F , 30'  
473-2889  
will be back 9/17/80 p.m.

Called 9/16/80