

STATE OF OREGON  
 WATER SUPPLY WELL REPORT  
 (as required by ORS 537.765)

PAGE 1 OF 2  
 WELL I.D. # L 82935  
 START CARD # W166123

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 6  
 Name CITY OF KEIZER  
 Address 4444 Rte 930 CHEMAMA RD  
 City KEIZER State OR Zip 97307

(2) TYPE OF WORK  
 New Well  Deepening  Alteration (repair/recondition)  Abandonment

(3) DRILL METHOD:  
 Rotary Air  Rotary Mud  Cable  Auger  
 Other \_\_\_\_\_

(4) PROPOSED USE:  
 Domestic  Community  Industrial  Irrigation  
 Thermal  Injection  Livestock  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION:  
 Special Construction approval  Yes  No Depth of Completed Well 270 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
16	0	90	CEMENT	0	90	85
12	90	290				

How was seal placed: Method  A  B  C  D  E  
 Other TREMIE FROM 90' TO SURFACE

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	+2	170	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) CUT LEFT ON BOTTOM

(7) PERFORATIONS/SCREENS:

Perforations Method \_\_\_\_\_  
 Screens Type V-WIRE Material STAINLESS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
170	175	.050	8	12" TELE		<input type="checkbox"/>	<input type="checkbox"/>
175	200	.100		12 TELE		<input type="checkbox"/>	<input type="checkbox"/>
200	240	.035		12 TELE		<input type="checkbox"/>	<input type="checkbox"/>
240	265	BLANK		10"		<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
820	120'		24

Temperature of water 53' Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County Marion Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 7 N or S Range 3 E or W M.  
 Section 2 NW 1/4 NW 1/4  
 Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

Street Address of Well (or nearest address) SW Corner of Chemama Rd NE + Richmond Rd NE

(10) STATIC WATER LEVEL:  
29 ft. below land surface. Date 6-15-06  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found 34'

From	To	Estimated Flow Rate	SWL
34	71	150	29
170	240	500	29
265	280	200	29

(12) WELL LOG:  
 Ground Elevation \_\_\_\_\_

Material	From	To	SWL
BROWN SANDY SILT	0	9	
BROWN SANDY SILT / GRAVELS	9	18	
SILTY SAND W/ GRAVELS	18	51	
COURSE SAND / GRAVELS	51	62	
SILTY SAND / SMALL GRAVEL	62	71	
GREY CLAY W/ LRG GRAVELS	71	73	
SILTY GREY SAND ? GRAVELS	73	78	
GREY CLAY	78	98	
GREYSILT / LRG GRAVELS	98	125	
CLEAN SAND / GRAVEL	126	131	
SILTY GRAVEL / SAND	131	146	
CLEAN SAND / GRAVEL	146	152	
SILTY COBBLES / GRAVELS	152	191	
CLEAN GRAVEL / SAND	191	210	
SILTY COBBLES / GRAVEL	210	214	
CLEAN SAND / GRAVEL	214	219	
LARGE COBBLES / GRAVEL	219	227	
SILTY GRAVELS / COBBLES	227	232	
CLEAN SAND / GRAVEL	232	238	

Date started 3-15-06 Completed 6-23-06

(unbonded) Water Well Constructor Certification:  
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.  
 Signed Tim R. Nub WWC Number 1829 Date 7-6-06

(bonded) Water Well Constructor Certification:  
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
 Signed Wade WWC Number 1829 Date 7-7-06

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STATE OF OREGON  
 WATER SUPPLY WELL REPORT  
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PAGE 2 OF 2  
 WELL I.D. # L L82935  
 START CARD # W166123

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 Name CITY OF KEIZER  
 Address 930 CHEMAWA RD  
 City KEIZER State OR Zip 97307

(2) TYPE OF WORK  
 New Well  Deepening  Alteration (repair/recondition)  Abandonment

(3) DRILL METHOD:  
 Rotary Air  Rotary Mud  Cable  Auger  
 Other \_\_\_\_\_

(4) PROPOSED USE:  
 Domestic  Community  Industrial  Irrigation  
 Thermal  Injection  Livestock  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION:  
 Special Construction approval  Yes  No Depth of Completed Well \_\_\_\_\_ ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL			
Diameter	From To	Material	From To	Sacks or pounds	
					SEE PAGE 1

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:								
Liner:								

Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

Perforations Method \_\_\_\_\_  
 Screens Type 1-WIRE Material STAINLESS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
265	280	.175		12	TELE	<input type="checkbox"/>	<input type="checkbox"/>
280	290	BLANK		10"		<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

	Yield gal/min	Drawdown	Drill stem at	Flowing Artesian	Time
					1 hr.

Temperature of water \_\_\_\_\_ Depth Artesian Flow Found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom \_\_\_\_\_  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
 Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
 County MULTN Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 7 N or S Range 3 E or W M.  
 Section 2 NW 1/4 NW 1/4  
 Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) SW corner of Chemawa Rd NE + Richmond Rd. NE

(10) STATIC WATER LEVEL:  
 \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
SILTY COBBLES / GRAVEL	238	246	
SILT BOUND GRAVELS	246	250	
SILTY COBBLES	250	259	
GREY SAND SILT	259	269	
GREY SILTY SAND / GRAVEL	269	277	
BLUE CLAY W/ GRAVEL	277	281	
FINE TO MED SAND	281	285	
GREY STIFF CLAY	285	290	

Date started \_\_\_\_\_ Completed \_\_\_\_\_  
 (unbonded) Water Well Constructor Certification:  
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.  
 Signed Tom R. Dick WWC Number 1829 Date 7-6-06

(bonded) Water Well Constructor Certification:  
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
 Signed Steve Jones WWC Number 1925 Date 7-7-06

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# WELL TEST DATA SHEET

**GEO-TECH EXPLORATIONS**  
A DIVISION OF BOART LONGYEAR  
19700 SW Teton Ave, Tualatin, OR 97062  
Phone 503-692-6400 Fax 503-692-4759



Owner's Name City of Keizer City Hall Date 06 / 21 / 06  
 Well Location City Hall  
 Well Dia. 12" Depth 290' Static Level 29' 6" Cased to Perforated @  
 Test Pump Setting 168' Test Pump Size 125 sub Air-Line Probe Tested by Butch Williams & Jerry Richards  
 Static After Test Drilled by Test Started 7:15 pm 06 / 21 / 06  
 Test Stopped 7:15 am 06 / 23 / 06 Max GPM Reference Point pvc 30" above ground

Remarks: 36 HR Pump Test & Recovery Data  
Measure from top of PVC -- 30" from ground

06/21/06 pm Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality / Comments	Discharge Rates		
						Time	Flow Hand Reading gpm	Calculated Rate gpm
6:30	SWL = 32.0'					6:30		2459506
6:45	32					6:45		
7:00	32					7:00		
7:15	29' 6"					7:15	950	
7:16	99.50					0:00		
7:18	123.60				little color	7:16		
7:19	131.00	99	9.49			7:18	940	
7:20	134.20	102.2	9.20	0.05		7:19	940	2463869
7:25	138.80	106.8	8.80	0.03		7:20	940	2464771
7:30	148.60	116.6	8.40		clear	7:25	940	2468855
7:35	152.10	120.1	8.03	0.03		7:30	980	2473213
7:40	154.50	122.5	7.84	0.03		7:35	965	2478197
7:45	155.40	123.4	7.74	0.03		7:40	960	2482995
						7:45	955	2487692

06/21/06 pm Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
7:50 pm	156.00	124	7.70	0.03		7:50	955	2492357	
7:55	157.10	125.1	7.67	0.03	clear	7:55	960	2497153	
8:01	158.20	126.2	7.53	0.03		8:01	950	2502994	
8:03	155.20	123.2	7.51			8:03	925		
8:06	153.10	121.1	7.64	0.03		8:06	925	2507792	
8:10	153.30	121.3	7.57	0.03		8:10	918	2511195	
8:15	153.40	121.4	7.58	0.02		8:15	920	2515784	
8:25	153.80	121.8	7.61	0.02		8:25	927	2524969	
8:31	154.40	122.4	7.52	0.02		8:31	920	2530940	
8:35	154.60	122.6	7.50	0.02		8:35	920	2534446	
8:40	154.70	122.7	7.50	0.02		8:40	920	2538542	
8:45	154.90	122.9	7.49	0.02		8:45	920	2543142	
8:50	155.60	123.6	7.44	0.02		8:50	920	2548076	
8:56	155.60	123.6	7.44	0.02		8:56	920	2553170	
9:02	155.60	123.6	7.44	0.02		9:02	920	2558795	
9:03	156.20	124.2	7.45	0.02		9:03	925		
9:05	156.30	124.3	7.40	0.02		9:05	920	2561907	
9:10	156.70	124.7	7.38	0.02		9:10	920	2566154	
9:15	157.00	125	7.32	0.02		9:15	915	2570298	
9:20	157.20	125.2	7.31	0.02		9:20	915	2575449	
9:25	157.50	125.5	7.31	0.02		9:25	917	2579562	
9:30	157.70	125.7	7.32			9:30	920	2584071	
9:35	157.90	125.9	7.28	0.02		9:35	917	2588872	
9:40	158.00	126	7.32	0.02		9:40	922	2593174	
9:45	158.50	126.5	7.23	0.02		9:45	915	2598047	
9:50	158.60	126.6	7.23	0.02		9:50	915	2602297	
9:55	158.60	126.6	7.24	0.02		9:55	917	2606968	
10:00	158.70	126.7	7.30	0.02		10:00	925	2611298	

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06/21/06 pm Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
10:05 pm	158.80	126.8	7.24	0.02		10:05	918	2616820	
10:10	159.80	127.8	7.18	0.02		10:10	917	2620414	
10:15	159.00	127	7.26	0.01		10:15	922	2625073	
10:20	159.20	127.2	7.18	0.01		10:20	913	2630166	
10:30	159.30	127.3	7.13	0.01		10:30	908	2638713	
10:40	159.60	127.6	7.19	0.01		10:40	918	2647953	
10:50	159.70	127.7	7.17	0.01		10:50	915	2656798	
11:00	159.80	127.8	7.16	0.01		11:00	915	2666173	
11:09	158.20	126.2	7.15	0.01	clear	11:09	902	2674879	
11:15	158.10	126.1	7.15	0.01		11:15	902	2680325	
11:21	155.80	123.8	7.21	0.01		11:21	892	2685376	
11:30	156.50	124.5	7.11			11:30	885	2693073	
11:45	156.60	124.6	7.11	0.01		11:45	886	2706117	
12:00 am	156.65	124.65	7.24	0.02		12:00	903	271995	
12:15	156.80	124.8	7.16	0.01		12:15	893	2733393	
12:30	157.00	125	7.08	0.01		12:30	885	2746143	
12:45	157.05	125.05	7.06	0.01		12:45	883	275941	
1:00	157.20	125.2	7.11	0.01		1:00	890	2772552	
1:17	157.30	125.3	7.14	0.01		1:17	895	2788268	
1:30	157.40	125.4	7.10	0.01		1:30	890	2799053	
1:45	157.60	125.6	7.09	0.01		1:45	890	2812254	
2:00	157.70	125.7	7.08	trace		2:00	890	2825867	
2:15	157.90	125.9	7.13	trace		2:15	898	2839361	
2:30	158.20	126.2	7.03	trace		2:30	887	285225	
2:45	158.30	126.3	7.02	trace		2:45	887	2865421	
3:00	158.40	126.4	7.02	trace		3:00	887	2879692	
3:15	153.30	121.3	7.01	trace		3:15	850	2892733	
3:30	152.80	120.8	7.02	trace		3:30	848	2904729	
3:50	152.80	120.8	7.01	trace		3:50	847	2921713	

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WATER RESOURCES DEPT.  
SALEM, OREGON

06/22/06 am Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
4:00 am	152.50	120.5	7.04	trace		4:00	848	2929963	
4:15	152.50	120.5	7.04	trace		4:15	848	2942823	
4:30	152.50	120.5	7.03	trace		4:30	847	2955439	
4:45	152.50	120.5	6.97	trace		4:45	840	2967876	
5:00	152.45	120.45	6.95	trace		5:00	837	2980471	
5:15	152.45	120.45	7.04	trace		5:15	848	2993135	
5:30	152.50	120.5	7.05	trace		5:30	850	3005806	
5:45	152.80	120.8	7.08	trace		5:45	855	3019572	
6:00	152.80	120.8	7.04	trace		6:00	850	3031463	
6:15	152.90	120.9	6.99	trace		6:15	845	3043769	
6:33	152.90	120.9	7.03	trace		6:33	850	3059932	
6:45	153.00	121	6.95	trace		6:45	841	3069183	
7:00	152.90	120.9	7.01	trace		7:00	847	3082673	
7:15	152.90	120.9	7.03	trace		7:15	850	3094543	
7:30	152.9	120.9	6.99	trace		7:30	845	3107143	
7:45	153	121	6.98	trace		7:45	845	3119804	
8:00	153	121	6.98	trace		8:00	845	3132362	
8:15	153	121	7.07	trace		8:15	855	3145981	
8:30	153.05	121.05	7.10	trace		8:30	860	3158871	
8:45	153.15	121.15	6.87	trace		8:45	832	3171793	
9:00	153.15	121.15	6.81	trace		9:00	825	3185492	
9:15	153.20	121.2	6.95	trace		9:15	842	3196193	
9:30	153.30	121.3	6.94	trace		9:30	842	3209378	
9:45	153.30	121.3	6.97	trace		9:45	845	3222043	
10:00	153.30	121.3	6.95	trace		10:00	843	3235272	
10:15	153.40	121.4	6.94	0.01		10:15	842	3247460	
10:30	153.40	121.4	6.94			10:30	842	3259563	
10:45	153.50	121.5	7.03			10:45	854	3272537	

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WATER RESOURCES DEPT

SALEM, OREGON

06/22/06 am Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
11:00 am	150.90	118.9	6.94			11:00	825	3285193	
11:15	150.50	118.5	7.05			11:15	835	3298971	
11:30	150.80	118.8	6.99			11:30	830	3309116	
11:45	150.70	118.7	6.91			11:45	820	3321974	
12:00 pm	151.70	119.7	7.13			12:00	854	3334164	
12:15	151.70	119.7	7.10			12:15	850	3352573	
12:30	151.70	119.7	7.02			12:30	840	3359576	
12:45	151.70	119.7	7.02			12:45	840	3371393	
1:00	151.70	119.7	7.02			1:00	840	3383000	
1:15	151.70	119.7	6.97			1:15	834	3396776	
1:30	151.70	119.7	6.98			1:30	835	3409701	
1:45	151.70	119.7	6.93			1:45	829	3422245	
2:00	151.60	119.6	7.14			2:00	854	3434893	
2:30	151.70	119.7	7.16			2:30	857	3460140	
2:45	151.70	119.7	7.02			2:45	840	3472506	
3:00	151.70	119.7	7.03			3:00	841	3482142	
3:15	151.70	119.7	7.07			3:15	846	3496480	
3:30	151.70	119.7	6.97			3:30	834	3506594	
4:00	151.70	119.7	7.04			4:00	843	3533351	
4:15	151.70	119.7	7.08			4:15	848	3546701	
4:30	151.70	119.7	6.93			4:30	830	3558240	
4:45	151.70	119.7	7.00	trace		4:45	838	3570830	
5:00	151.70	119.7	7.02	↓		5:00	840	3583333	
5:15	151.65	119.65	7.09	↓		5:15	848	359574	
5:30	151.65	119.65	6.96	↓		5:30	833	3608228	
5:45	151.65	119.65	6.98	↓		5:45	835	3621053	
6:00	151.65	119.65	6.97	↓		6:00	834	3633783	
6:15	151.70	119.7	6.98	↓		6:15	836	3646588	
6:30	151.80	119.8	7.01	↓		6:30	840	3657547	

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WATER RESOURCES DEPT  
SALEM, OREGON

06/22/06 pm Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
6:45 pm	151.85	119.85	6.91	↓		6:45	828	3674808	
7:00	151.90	119.9	6.91	↓		7:00	828	3681183	
7:15	151.90	119.9	6.96	↓		7:15	834	3693692	
7:30	152.20	120.2	7.05	↓		7:30	847	3706136	
7:45	152.20	120.2	6.99	↓		7:45	840	3720519	
8:00	152.20	120.2	6.91	↓		8:00	830	3733683	
8:16	152.20	120.2	6.93	↓		8:16	833	3747006	
8:30	152.10	120.1	6.99	↓		8:30	840	3755642	
8:45	152.30	120.3	6.99	↓		8:45	841	3768077	
9:00	152.30	120.3	6.91	↓		9:00	831	3780476	
9:15	152.40	120.4	6.92	↓		9:15	833	3792864	
9:30	152.50	120.5	7.01	↓		9:30	845	3805198	
10:01	152.50	120.5	6.90	↓		10:01	832	3831978	
10:15	152.40	120.4	6.99	↓		10:15	841	3842675	
10:30	152.30	120.3	6.96	↓		10:30	837	3855610	
10:45	152.30	120.3	6.90	↓		10:45	830	3868903	
11:00	152.20	120.2	6.85	↓		11:00	823	3879533	
11:15	152.10	120.1	6.97	↓		11:15	837	3891876	
11:30	152.10	120.1	6.94	↓		11:30	833		
11:45	152.00	120	6.96	↓		11:45	835	3916924	
12:00 am	152.00	120	6.94	↓		12:00	833	3928764	
12:15	152.00	120	6.91	↓		12:15	829	3941427	
12:30	152.00	120	6.96	↓		12:30	835	3953556	
12:45	152.00	120	6.94	↓		12:45	833	3965990	
1:00	152.00	120	6.93	↓		1:00	832	3978296	
1:15	151.90	119.9	6.90	↓		1:15	827	3990648	
1:30	151.90	119.9	7.01	↓		1:30	840	4002984	
1:45	151.90	119.9	6.94	↓	clear	1:45	832	4015364	
2:00	151.80	119.8	6.93	↓		2:00	830	4027561	

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WATER RESOURCES DEPT.  
SALEM, OREGON





# RECOVERY TEST

06/23/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
		79	7:22:30	57.9	7:31:15	53.7	7:38	51.2	7:40:15	50.6
			7:22:45	57.7	7:31:30	53.6	7:38:15	51.1	7:40:30	50.5
			7:23	57.5	7:31:45	53.4	7:38:30	51.0	7:40:45	50.4
	7:16 am	76	7:23:30	57.3	7:32	53.3	7:38:45	51.0	7:41	50.4
	7:16:15	74.6	7:24	57.2	7:32:15	53.2	7:39	50.9	7:41:15	50.3
	7:16:30	72.8	7:24:30	57.0	7:32:30	53.1	7:39:15	50.8	7:41:30	50.2
	7:16:45	71	7:25	56.6	7:32:45	53.0	7:39:30	50.7	7:41:45	50.15
	7:17	70	7:25:15	56.3	7:33	52.9	7:39:45	50.65	7:42	50.0
	7:17:15	69.3	7:25:45	56.2	7:33:15	52.8	7:40	50.6	7:42:15	50.0
	7:17:30	68.1	7:26	56.1	7:33:30	52.7	7:40:15	50.6	7:42:30	49.9
	7:17:45	67.1	7:26:30	56.0	7:33:45	52.6	7:40:30	50.5	7:42:45	49.9
	7:18	66.2	7:27	55.8	7:34	52.5	7:40:45	50.4	7:43	49.9
	7:18:15	65.2	7:27:15	55.7	7:34:15	52.4	7:41	50.4	7:43:15	49.8
	7:18:30	64.6	7:27:45	55.5	7:34:30	52.3	7:41:15	50.3	7:43:30	49.7
	7:18:45	63.9	7:28	55.3	7:34:45	52.2	7:41:30	50.2	7:43:45	49.65
	7:19	63.2	7:28:15	55.2	7:35	52.1	7:41:45	50.15	7:44	49.60
	7:19:15	62.4	7:28:30	55.0	7:35:15	52.0	7:41:55	50.1	7:44:15	49.5
	7:19:30	62.0	7:28:45	54.9	7:35:30	52.0	7:42	50.0	7:44:30	49.45
	7:19:45	61.6	7:29	54.8	7:35:45	51.9	7:42:15	50.0		
	7:20	61.0	7:29:15	54.7	7:36	51.8	7:42:30	49.9		
	7:20:15	60.5	7:29:30	54.6	7:36:15	51.7	7:42:45	49.9		
	7:20:30	60.1	7:29:45	54.3	7:36:30	51.6	7:43	49.9		
	7:20:45	59.8	7:30	54.2	7:36:45	51.6	7:43:15	49.8		
	7:21	59.4	7:30:15	54.1	7:37	51.5	7:43:30	49.7		
	7:21:15	59.1	7:30:30	54.0	7:37:15	51.4	7:43:45	49.65		
	7:21:45	58.8	7:30:45	53.9	7:37:30	51.3	7:44	49.60		
	7:22	58.5	7:31	53.8	7:37:45	51.3	7:44:15	49.5		
	7:22:15	58.1					7:44:30	49.45		

REC

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**RECOVERY TEST (continued)**

06/23/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	7:44:45	49.4	7:51:30	48.05	7:58:15	47.1	8:05	46.2		
	7:45	49.35	7:51:45	48.0	7:58:30	47.05	8:05:15	46.15		
	7:45:15	49.3	7:52	48.0	7:58:45	47.05	8:05:30	46.15		
	7:45:30	49.25	7:52:15	47.95	7:59	47.0	8:05:45	46.1		
	7:45:45	49.2	7:52:30	47.9	7:59:15	46.95	8:06	46.1		
	7:46	49.15	7:52:45	47.85	7:59:30	46.9	8:06:15	46.05		
	7:46:15	49.1	7:53	47.8	7:59:45	46.9	8:06:30	46.05		
	7:46:30	49.05	7:53:15	47.75	8:00	46.8	8:06:45	46.0		
	7:46:45	49	7:53:30	47.7	8:00:15	46.75	8:07	45.95		
	7:47	48.95	7:53:45		8:00:30	46.75	8:07:15	45.95		
	7:47:15	48.9	7:54	47.65	8:00:45	46.7	8:07:30	45.9		
	7:47:30	48.85	7:54:15	47.6	8:01	46.7	8:07:45	45.9		
	7:47:45	48.8	7:54:30	47.6	8:01:15	46.69	8:08	45.9		
	7:48	48.75	7:54:45	47.55	8:01:30	46.65	8:08:15	45.85		
	7:48:15	48.7	7:55	47.5	8:01:45	46.6	8:08:30	45.85		
	7:48:30	48.65	7:55:15	47.5	8:02	46.5	8:08:45	45.8		
	7:48:45	48.6	7:55:30	47.45	8:02:15	46.5	8:09	45.8		
	7:49	48.55	7:55:45	47.4	8:02:30	46.45	8:09:15	45.75		
	7:49:15	48.5	7:56	47.65	8:02:45	46.45	8:09:30	45.7		
	7:49:30	48.45	7:56:15	47.35	8:03	46.40	8:09:45	45.7		
	7:49:45	48.4	7:56:30	47.3	8:03:15	46.4	8:10	45.65		
	7:50	48.35	7:56:45	47.3	8:03:30	46.35	8:10:15	45.65		
	7:50:15	48.3	7:57	47.25	8:03:45	46.3	8:10:30	45.6		
	7:50:30	48.25	7:57:15	47.25	8:04	46.3	8:10:45	45.6		
	7:50:45	48.2	7:57:30	47.2	8:04:15	46.25	8:11	45.55		
	7:51	48.15	7:57:45	47.15	8:04:30	46.25	8:11:15	45.55		
	7:51:15	48.1	7:58	47.15	8:04:45	46.2	8:11:30	45.5		

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WATER RESOURCES

T 10592

**RECOVERY TEST (continued)**

06/21/06 am Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
8:11:45	45.5	8:18:30	44.85	8:25:15	44.35	8:32	43.85
8:12	45.45	8:18:45	44.85	8:25:30	44.35	8:32:15	43.85
8:12:15	45.45	8:19	44.8	8:25:45	44.3	8:32:30	43.8
8:12:30	45.4	8:19:15	44.8	8:26	44.3	8:32:45	43.8
8:12:45	45.35	8:19:30	44.75	8:26:15	44.3	8:33	43.8
8:13	45.35	8:19:45	44.75	8:26:30	44.25	8:33:15	43.75
8:13:15	45.3	8:20	44.7	8:26:45	44.25	8:33:30	43.75
8:13:30	45.3	8:20:15	44.7	8:27	44.2	8:33:45	43.75
8:13:45	45.3	8:20:30	44.7	8:27:15	44.2	8:34	43.7
8:14	45.25	8:20:45	44.65	8:27:30	44.2	8:34:15	43.7
8:14:15	45.25	8:21	44.65	8:27:45	44.15	8:34:30	43.7
8:14:30	45.2	8:21:15	44.65	8:28	44.15	8:34:45	43.7
8:14:45	45.2	8:21:30	44.6	8:28:15	44.15	8:35	43.65
8:15	45.15	8:21:45	44.6	8:28:30	44.1	8:35:15	43.65
8:15:15	45.15	8:22	44.55	8:28:45	44.1	8:35:30	43.65
8:15:30	45.1	8:22:15	44.55	8:29	44.05	8:35:45	43.6
8:15:45	45.1	8:22:30	44.5	8:29:15	44.05	8:36	43.6
8:16	45.05	8:22:45	44.5	8:29:30	44.30	8:36:15	43.6
8:16:15	45.05	8:23	44.5	8:29:45	44.0	8:36:30	43.6
8:16:30	45.0	8:23:15	44.45	8:30	44.0	8:36:45	43.55
8:16:45	45.0	8:23:30	44.45	8:30:15	43.95	8:37	43.55
8:17	44.95	8:23:45	44.4	8:30:30	43.95	8:37:15	43.55
8:17:15	44.95	8:24	44.4	8:30:45	43.9	8:37:30	43.55
8:17:30	44.9	8:24:15	44.4	8:31	43.9	8:37:45	43.5
8:17:45	44.9	8:24:30	44.4	8:31:15	43.9	8:38	43.5
8:18	44.9	8:24:45	44.35	8:31:30	43.85	8:38:15	43.5
8:18:15	44.9	8:25	44.35	8:31:45	43.85	8:38:30	43.45

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**RECOVERY TEST (continued)**

06/21/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	8:38:45	43.5	8:45:30	43.1	8:52:15	42.7	8:59:15	42.4	9:06:00	42.4
	8:39	43.4	8:45:45	43.1	8:52:30	42.7	8:59:30	42.4	9:06:15	42.4
	8:39:15	43.4	8:46	43.05	8:52:45	42.7	8:59:45	42.35	9:06:30	42.35
	8:39:30	43.45	8:46:15	43.05	8:53	42.65	9:00	42.35	9:06:45	42.35
	8:39:45	43.45	8:46:30	43.05	8:53:15	42.65	9:00:15	42.35	9:07:00	42.35
	8:40	43.35	8:46:45	43.0	8:53:30	42.65	9:00:30	42.35	9:07:15	42.35
	8:40:15	43.35	8:47	43.0	8:53:45	42.65	9:00:45	42.35	9:07:30	42.35
	8:40:30	43.35	8:47:15	43.0	8:54	42.6	9:01	42.3	9:07:45	42.3
	8:40:45	43.35	8:47:30	42.95	8:54:15	42.6	9:01:15	42.3	9:08:00	42.3
	8:41	43.3	8:47:45	42.95	8:54:30	42.6	9:01:30	42.3	9:08:15	42.3
	8:41:15	43.3	8:48	42.95	8:54:45	42.6	9:01:45	42.3	9:08:30	42.3
	8:41:30	43.3	8:48:15	42.9	8:55	42.55	9:02	42.25	9:08:45	42.25
	8:41:45	43.3	8:48:30	42.9	8:55:15	42.55	9:02:15	42.25	9:09:00	42.25
	8:42	43.25	8:48:45	42.9	8:55:30	42.55	9:02:30	42.25	9:09:15	42.25
	8:42:15	43.25	8:49	42.9	8:55:45	42.55	9:02:45	42.25	9:09:30	42.25
	8:42:30	43.25	8:49:15	42.85	8:56	42.5	9:03	42.25	9:09:45	42.25
	8:42:45	43.25	8:49:30	42.85	8:56:15	42.5	9:03:15		9:10:00	
	8:43	43.2	8:49:45	42.85	8:56:30	42.5	9:03:30		9:10:15	
	8:43:15	43.2	8:50	42.85	8:56:45	42.5	9:03:45		9:10:30	
	8:43:30	43.2	8:50:15	42.8	8:57	42.5	9:04	42.2	9:10:45	42.2
	8:43:45	43.15	8:50:30	42.8	8:57:15	42.45	9:04:15		9:11:00	
	8:44	43.15	8:50:45	42.8	8:57:30	42.45	9:04:30		9:11:15	
	8:44:15	43.15	8:51	42.75	8:57:45	42.45	9:04:45		9:11:30	
	8:44:30	43.1	8:51:15	42.75	8:58	42.45	9:05	42.15	9:11:45	42.15
	8:44:45	43.1	8:51:30	42.75	8:58:15	42.4	9:05:15	42.15	9:12:00	42.15
	8:45	43.1	8:51:45	42.75	8:58:30	42.4	9:05:30	42.15	9:12:15	42.15
	8:45:15	43.1	8:52	42.7	8:58:45	42.4	9:05:45	42.15	9:12:30	42.15

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WATER RESOURCES DIVISION  
CALIFORNIA DEPARTMENT OF WATER RESOURCES

1 10592

**RECOVERY TEST (continued)**

06/21/06 am Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
9:05:45	42.15	9:12:30	41.85	9:19:15	41.6	9:26	41.35	9:27:15	41.35
9:06	42.1	9:12:45	41.85	9:19:30	41.6	9:26:15	41.35	9:27:30	41.35
9:06:15	42.1	9:13	41.85	9:19:45	41.6	9:26:30	41.35	9:27:45	41.35
9:06:30	42.1	9:13:15	41.85	9:20	41.6	9:26:45	41.35	9:28	41.3
9:06:45	42.1	9:13:30	41.8	9:20:15	41.6	9:27	41.35	9:28:15	41.3
9:07	42.05	9:13:45	41.8	9:20:30	41.55	9:27:15	41.35	9:28:30	41.3
9:07:15	42.05	9:14	41.8	9:20:45	41.55	9:27:30	41.35	9:28:45	41.3
9:07:30	42.05	9:14:15	41.8	9:21	41.55	9:27:45	41.35	9:29	41.3
9:07:45	42.05	9:14:30	41.8	9:21:15	41.55	9:28	41.3	9:29:15	41.3
9:08	42.0	9:14:45	41.8	9:21:30	41.55	9:28:15	41.3	9:29:30	41.3
9:08:15	42.0	9:15	41.75	9:21:45	41.55	9:28:30	41.3	9:29:45	41.25
9:08:30	42.0	9:15:15	41.75	9:22	41.5	9:28:45	41.3	9:30	41.25
9:08:45	42.0	9:15:30	41.75	9:22:15	41.5	9:29	41.3	9:30:15	41.25
9:09	42.0	9:15:45	41.75	9:22:30	41.5	9:29:15	41.3	9:30:30	41.25
9:09:15	42.0	9:16	41.75	9:22:45	41.5	9:29:30	41.3	9:30:45	41.25
9:09:30	41.95	9:16:15	41.75	9:23	41.5	9:29:45	41.25	9:31	41.2
9:09:45	41.95	9:16:30	41.7	9:23:15	41.5	9:30	41.25	9:31:15	41.2
9:10	41.95	9:16:45	41.7	9:23:30	41.45	9:30:15	41.25	9:31:30	41.2
9:10:15	41.95	9:17	41.7	9:23:45	41.45	9:30:30	41.25	9:31:45	41.2
9:10:30	41.95	9:17:15	41.7	9:24	41.45	9:30:45	41.25	9:32	41.2
9:10:45	41.95	9:17:30	41.7	9:24:15	41.45	9:31	41.2	9:32:15	41.2
9:11	41.9	9:17:45	41.65	9:24:30	41.45	9:31:15	41.2	9:32:30	41.2
9:11:15	41.9	9:18	41.65	9:24:45	41.4	9:31:30	41.2		
9:11:30	41.9	9:18:15	41.65	9:25	41.4	9:31:45	41.2		
9:11:45	41.9	9:18:30	41.65	9:25:15	41.4	9:32	41.2		
9:12	41.85	9:18:45	41.65	9:25:30	41.4	9:32:15	41.2		
9:12:15	41.85	9:19	41.6	9:25:45	41.35	9:32:30	41.2		

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**RECOVERY TEST (continued)**

06/21/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	9:32:45	41.2	9:39:30	41.0	9:46:30	40.8	9:58	40.5		
	9:33	41.15	9:39:45	40.95	9:46:45	40.75	9:59	40.45		
	9:33:15	41.15	9:40	40.95	9:47	40.75	10:00	40.45		
	9:33:30	41.15	9:40:15	40.95	9:47:15	40.75	10:01	40.4		
	9:33:45	41.15	9:40:30	40.95	9:47:30	40.75	10:02	40.4		
	9:34	41.15	9:40:45	40.95	9:47:45	40.75	10:03	40.35		
	9:34:15	41.1	9:41	40.9	9:48	40.75	10:04	40.35		
	9:34:30	41.1	9:41:15	40.9	9:48:15	40.75	10:05	40.3		
	9:34:45	41.1	9:41:30	40.9	9:48:30	40.75				
	9:35	41.1	9:41:45	40.9	9:48:45	40.7				
	9:35:15	41.1	9:42	40.9	9:49	40.7				
	9:35:30	41.1	9:42:15	40.85	9:49:15	40.7				
	9:35:45	41.1	9:42:30	40.85	9:49:30	40.7				
	9:36	41.1	9:42:45	40.85	9:49:45	40.7				
	9:36:15	41.1	9:43	40.85	9:50	40.65				
	9:36:30	41.1	9:43:30	40.85	9:50:15	40.65				
	9:36:45	41.1	9:43:45	40.85	9:50:30	40.65				
	9:37	41.1	9:44	40.85	9:50:45	40.65				
	9:37:15	41.1	9:44:15	40.8	9:51	40.65	7:00 am	6/23/06		
	9:37:30	41.1	9:44:30	40.8	9:51:15	40.65				
	9:37:45	41.1	9:44:45	40.8	9:51:30	40.65	12:10 pm	6/23/06		
	9:38	41.05	9:45	40.8	9:52	40.65				
	9:38:15	41.05	9:45:15	40.8	9:53	40.6				
	9:38:30	41.05	9:45:30	40.8	9:54	40.6				
	9:38:45	41.05	9:45:45	40.8	9:55	40.55				
	9:39	41.0	9:46	40.8	9:56	40.55				
	9:39:15	41.0	9:46:15	40.8	9:57	40.55				

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WATER RESOURCES  
SALEM, OREGON



# WELL TEST DATA SHEET

**GEO-TECH EXPLORATIONS**  
A DIVISION OF BOART LONGYEAR  
19700 SW Teton Ave, Tualatin, OR 97062  
Phone 503-692-6400 Fax 503-692-4759



Owner's Name \_\_\_\_\_ City of Keizer \_\_\_\_\_ Date 06 / 20 / 06  
Well Location \_\_\_\_\_ City Hall \_\_\_\_\_  
Well Dia. 12" Depth 290' Static Level 29' 6" Cased to \_\_\_\_\_ Perforated @ \_\_\_\_\_  
Test Pump Setting 168' Test Pump Size 125 sub \_\_\_\_\_ Air-Line \_\_\_\_\_ Probe \_\_\_\_\_ Tested by Butch Williams & Jerry Richards  
Static After Test \_\_\_\_\_ Drilled by \_\_\_\_\_ Test Started 12:00 am 06 / 21 / 06  
Test Stopped 5:00 am 06 / 21 / 06 Max GPM \_\_\_\_\_ Reference Point pvc 30" above ground

Remarks: **STEP TEST & RECOVERY**  
Measure from top of PVC - 30" from ground

06/20/06 pm Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality / Comments	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
11:05 PM	29' 6"							2284221	
11:15	29' 6"								
11:20	29.6								
11:30	29' 6"							2284221	
11:45	29' 6"							2284369	
11:50	29' 6"								
11:55	29' 6"								
12:00 AM	29' 6"						205	2284369	
12:02	40.4	10.9	18.81				205	2285140	
12:04	40.1	10.6	19.34				205		
12:06	42.4	12.9	15.89	2.2	Very dark		205	2285859	
12:10		-29.5	-6.95				205	2286296	
12:12	43.8	14.3	14.34				205	2286657	
12:15	43.4	13.9	14.75		Starting to clear		205	2287192	

REC'D  
\_\_\_\_\_ of \_\_\_\_\_ 7

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WATER RESOUR

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06/21/06 am Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
12:20	44.6	15.1	13.25	.01	Clearing	12:20	200	2288132	
12:25	0:00	15.5	12.90			12:25	200	2289290	
12:30	45.4	15.9	12.58	.01		12:30	200	2289937	
12:35	45.6	16.1	12.42			12:35	200	2291098	
12:40	45.8	16.3	12.27	.03		12:40	200	2291983	
12:46	46.1	16.6	12.05	.01		12:46	200	2293179	
12:50	46.3	16.8	11.90	.02		12:50	200	2293958	
12:55	46.3	16.8	11.90			12:55	200	2294944	
1:00 AM	46.3	16.8	11.49			1:00	193	2295897	
1:05	57.7	28.2	14.75			1:05	416	2297033	
1:07	62.2	32.7	11.31			1:07	370	2298101	
1:10	65.9	36.4	10.16	1.0		1:10	370	2298916	
1:14	67	37.5	10.53			1:14	395	2300689	
1:20	67.9	38.4	10.29	.07		1:20	395	2303432	
1:25	68.4	38.9	10.15			1:25	395		
1:30	68.9	39.4	10.08	.05		1:30	397	2306939	
1:35	69.05	39.55	9.99			1:35	395	2308943	
1:40	69.3	39.8	9.92	.03	clear	1:40	395	2310971	
1:45	69.75	40.25	9.81			1:45	395	2312948	
1:50	69.8	40.3	9.80			1:50	395	2314771	
1:55	70.1	40.6	9.73	.03		1:55	395	2316983	
2:00 AM	70.3	40.8	9.68			2:00	395	2316983	
2:05	89.9	60.4	10.02	0.07		2:05	605	2322000	
2:08	92	62.5	9.68			2:08	605	2323649	
2:10	92.5	63	9.44	1.05	clearing	2:10	595	2324659	
2:15	92.9	63.4	9.38	0.05		2:15	595	2327570	
2:20	95.2	65.7	8.98			2:20	590	2330563	
2:25	95.75	66.25	8.91	0.08		2:25	590	2333695	

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06/21/06 am Time	Depth to Water (ft. BRP)	Drawdown (ft)	Specific Capacity	Sand Reading	Water Quality	Discharge Rates			
						Time	Flow Hand Reading gpm	Totalizer Reading	Calculated Rate gpm
2:30	96.2	66.7	8.92	0.03	clear	2:30	595	2336342	2:30
2:35	96.35	66.85	8.75	0.04		2:35	585	2340123	2:35
2:40	96.6	67.1	8.72			2:40	585	2342414	2:40
2:45	97.1	67.6	8.65	0.05		2:45	585	2345444	2:45
2:50	97.53	68.03	8.60	0.03		2:50	585	2348576	2:50
2:55	97.6	68.1	8.59	0.02		2:55	585	2351372	2:55
3:00 AM	116	86.5	6.76	0.02		3:00	585	2355009	3:00
3:05	123	93.5	8.56		little color	3:05	800	2358672	3:05
3:10	127.9	98.4	8.13	2.01		3:10	800	2362609	3:10
3:15	130.6	101.1	7.98	1.02		3:15	807	2367264	3:15
3:20	131.7	102.2	7.90	0.08		3:20	807	2371295	3:20
3:35	134	104.5	7.72	0.09	clear	3:35	807	2383002	3:35
3:40	134.8	105.3	7.67	0.03		3:40	808	2387066	3:40
3:45	135	105.5	7.66	0.03		3:45	808	2391247	3:45
3:51	135.5	106	7.64	0.03		3:51	810	2396367	3:51
3:55	136	106.5	7.61	0.03		3:55	810	2399282	3:55
4:00 AM	154	124.5	7.99	0.09	little color	4:00	995	2404968	4:00
4:05	160	130.5	7.62			4:05	995	2408452	4:05
4:07	157.8	128.3	0.00			4:07			4:07
4:10	157.9	128.4	7.48	0.08		4:10	960	2413305	4:10
4:15	158.7	129.2	7.43	1.07		4:15	960	2417637	4:15
4:20	159.4	129.9	7.41	0.09		4:20	963	2422674	4:20
4:25	159.8	130.3	7.37	0.08		4:25	960	2426862	4:25
4:30	160.2	130.7	7.27	0.03		4:30	950	2432606	4:30
4:35	161	131.5	7.22	0.03		4:35	950	2436177	4:35
4:38	157.8	128.3	7.33			4:38	940		4:38
4:40	158.8	129.3	7.19	0.02		4:40	930	2441834	4:40
4:45	158.9	129.4	7.19			4:45	930	2445581	4:45
4:50	159	129.5	7.26	0.02	clear	4:50	940	2449844	4:50

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PERMISSION

**RECOVERY TEST (continued)**

06/21/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	6:00:15	37.4	6:22	36.0				
	6:00:30	37.35	6:23	35.95				
	6:00:45	37.3	6:24	35.95				
	6:01	37.3	6:25	35.9				
	6:01:15	37.3	6:26	35.85				
	6:01:30	37.3	6:27	35.85				
	6:01:45	37.25	6:28	35.8				
	6:02	37.25	6:29	35.75				
	6:02:15	37.2	6:30	35.7				
	6:03	37.15						
	6:03:45	37.0						
	6:05:30	36.95						
	6:06	36.9						
	6:08	36.8						
	6:08:45	36.7						
	6:09:45	36.6						
	6:10:45	36.5						
	6:12	36.4						
	6:12:45	36.4						
	6:13:45	36.4						
	6:14:45	36.3						
	6:16	36.3						
	6:17	36.2						
	6:18	36.1						
	6:19	36.0						
	6:20	36.0						
	6:21	36.0						

**REMOVED**

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**RECOVERY TEST (continued)**

06/21/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	5:29:24	41.65	5:36:18	41.35	5:44	39.1	5:51:15	38.15	5:57	37.65
	5:29:35	41.6	5:36:30	41.3	5:44:18	39.15	5:51:30	38.15	5:57:15	37.65
	5:29:49	41.55	5:36:45	41.25	5:44:32	39.5	5:51:45	38.1	5:57:30	37.6
	5:30:01	41.55	5:37	41.2	5:44:46	39.0	5:52	38.1	5:57:45	37.55
	5:30:22	41.5	5:37:21	41.15	5:45	38.95	5:52	38.15	5:59	37.5
	5:30:33	41.4	5:37:38	41.1	5:45:16	38.9	5:53	38	5:59:15	37.5
	5:30:43	41.35	5:37:49	41.5	5:45:32	38.85	5:53:30	37.90	5:59:30	37.5
	5:30:54	41.3	5:38:05	40.0	5:45	38.8	5:54	37.9	5:59:45	37.45
	5:31:05	41.25	5:38:28	39.95	5:46	38.75	5:54:15	37.85	6:00	37.4
	5:31:19	41.2	5:38:53	39.9	5:46:42	38.7	5:54:30	37.8		
	5:31:30	41.15	5:39:08	39.8	5:46:59	38.65	5:54:45	37.8		
	5:31:48	41.1	5:39:23	39.75	5:47:15	38.65	5:55	37.8		
	5:32	41.1	5:39:40	39.7	5:47:30	38.6	5:55:15	37.8		
	5:32:12	41.1	5:39:58	39.65	5:47:45	38.6	5:55:30	37.75		
	5:32:46	41.0	5:40:15	39.6	5:48	38.6	5:55:45	37.75		
	5:33:09	41.85	5:40:30	39.55	5:48:15	38.55	5:56	37.7		
	5:33:21	41.8	5:40:45	39.5	5:48:30	38.5	5:56:15	37.7		
	5:33:53	41.8	5:41:02	39.5	5:48:45	38.5	5:56:30	37.7		
	5:34:05	41.8	5:41:23	39.45	5:49	38.45	5:57	37.65		
	5:34:24	41.75	5:41:37	39.45	5:49:15	38.4	5:57:15	37.65		
	5:34:36	41.7	5:41:58	39.4	5:49:30	38.4	5:57:30	37.6		
	5:34:48	41.65	5:42:15	39.4	5:49:45	38.4	5:57:45	37.55		
	5:34:58	41.6	5:42:36	39.35	5:50	38.35	5:59	37.5		
	5:35:16	41.55	5:42:59	39.3	5:50:15	38.3	5:59:15	37.5		
	5:35:29	41.5	5:43:16	39.25	5:50:30	38.3	5:59:30	37.5		
	5:35:45	41.45	5:43:30	39.2	5:50:45	38.25	5:59:45	37.45		
	5:35:59	41.4	5:43:46	39.15	5:51	38.2	6:00	37.4		

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# RECOVERY TEST

06/21/06 am Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
5:01	71.0	5:08:45	51.4	5:15:32	46.5	5:22:06	43.8		
5:02	65.5	5:08:53	51.2	5:15:46	46.4	5:22:18	43.7		
5:02:30	63.3	5:09:10	51	5:16	46.3	5:22:29	43.6		
5:02:45	62.2	5:09:30	50.7	5:16:15	46.2	5:23:19	43.4		
5:03	61.3	5:09:43	50.5	5:16:26	46.1	5:23:36	43.2		
5:03:19	60.4	5:09:55	50.3	5:16:35	46.0	5:23:56	43.2		
5:03:33	59.8	5:10	50.2	5:16:51	45.9	5:24:05	43.1		
5:03:48	59	5:10:16	50.1	5:17:15	45.8	5:24:25	43.15		
5:04	58.5	5:10:32	49.9	5:17:30	45.6	5:24:40	42.9		
5:04:16	58	5:10:44	49.8	5:17:45	45.5	5:24:51	42.9		
5:04:26	57.5	5:10:57	49.6	5:18	45.4	5:25:05	42.85		
5:04:40	57.2	5:11:10	49.4	5:18:28	45.2	5:25:25	42.8		
5:05	56.4	5:11:20	49.2	5:18:38	45.1	5:25:37	42.7		
5:05:18	56.2	5:11:44	48.8	5:18:49	45.0	5:25:51	42.65		
5:05:33	55.8	5:12:09	48.6	5:19	44.9	5:26:04	42.55		
5:05:45	55.4	5:12:25	48.4	5:19:15	44.8	5:26:15	42.5		
5:05:57	55	5:12:50	47.9	5:19:46	44.7	5:27	42.3		
5:06	54.7	5:13	47.9	5:19:58	44.6	5:27:15	42.35		
5:06:28	54.2	5:13:31	47.8	5:20:10	44.6	5:27:25	42.2		
5:06:40	53.9	5:13:43	47.7	5:20:30	44.4	5:27:37	42.0		
5:06:52	53.7	5:14	47.5	5:20:41	44.3	5:27:47	42.0		
5:07	53.4	5:14:10	47.4	5:20:50	44.2	5:28:05	41.9		
5:07:23	53.1	5:14:23	47.3	5:21	44.1	5:28:17	41.9		
5:07:36	52.8	5:14:36	47.1	5:21:10	44.5	5:28:29	41.9		
5:08	52.6	5:14:45	47	5:21:20	44.0	5:28:38	41.8		
5:08:05	52.1	5:15:06	46.8	5:21:31	43.9	5:28:58	41.75		
5:08:21	51.9	5:15:21	46.6	5:21:51	43.8	5:29:08	41.7		

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**RECOVERY TEST (continued)**

06/21/06 am	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)	Time	Depth to Water (ft. BRP)
	5:29:24	41.65	5:36:18	41.35	5:44	39.1	5:51:15	38.15		
	5:29:35	41.6	5:36:30	41.3	5:44:18	39.15	5:51:30	38.15		
	5:29:49	41.55	5:36:45	41.25	5:44:32	39.5	5:51:45	38.1		
	5:30:01	41.55	5:37	41.2	5:44:46	39.0	5:52	38.1		
	5:30:22	41.5	5:37:21	41.15	5:45	38.95	5:52	38.15		
	5:30:33	41.4	5:37:38	41.1	5:45:16	38.9	5:53	38		
	5:30:43	41.35	5:37:49	41.5	5:45:32	38.85	5:53:30	37.90		
	5:30:54	41.3	5:38:05	40.0	5:45	38.8	5:54	37.9		
	5:31:05	41.25	5:38:28	39.95	5:46	38.75	5:54:15	37.85		
	5:31:19	41.2	5:38:53	39.9	5:46:42	38.7	5:54:30	37.8		
	5:31:30	41.15	5:39:08	39.8	5:46:59	38.65	5:54:45	37.8		
	5:31:48	41.1	5:39:23	39.75	5:47:15	38.65	5:55	37.8		
	5:32	41.1	5:39:40	39.7	5:47:30	38.6	5:55:15	37.8		
	5:32:12	41.1	5:39:58	39.65	5:47:45	38.6	5:55:30	37.75		
	5:32:46	41.0	5:40:15	39.6	5:48	38.6	5:55:45	37.75		
	5:33:09	41.85	5:40:30	39.55	5:48:15	38.55	5:56	37.7		
	5:33:21	41.8	5:40:45	39.5	5:48:30	38.5	5:56:15	37.7		
	5:33:53	41.8	5:41:02	39.5	5:48:45	38.5	5:56:30	37.7		
	5:34:05	41.8	5:41:23	39.45	5:49	38.45	5:57	37.65		
	5:34:24	41.75	5:41:37	39.45	5:49:15	38.4	5:57:15	37.65		
	5:34:36	41.7	5:41:58	39.4	5:49:30	38.4	5:57:30	37.6		
	5:34:48	41.65	5:42:15	39.4	5:49:45	38.4	5:57:45	37.55		
	5:34:58	41.6	5:42:36	39.35	5:50	38.35	5:59	37.5		
	5:35:16	41.55	5:42:59	39.3	5:50:15	38.3	5:59:15	37.5		
	5:35:29	41.5	5:43:16	39.25	5:50:30	38.3	5:59:30	37.5		
	5:35:45	41.45	5:43:30	39.2	5:50:45	38.25	5:59:45	37.45		
	5:35:59	41.4	5:43:46	39.15	5:51	38.2	6:00	37.4		

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STATE ENGINEER  
Salem, Oregon

# Well Record

STATE WELL NO. 7/3W-20(2) *cde*  
COUNTY Marion  
APPLICATION NO. GR-24

*M.A.R. ....*

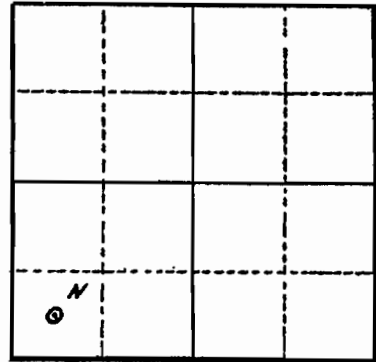
*10300*  
*16800*  
*MAR*

OWNER: Manbrin Gardens, Inc. MAILING ADDRESS: Box 48

LOCATION OF WELL: Owner's No. Foni Well CITY AND STATE: Salem, Oregon

SW 1/4 SW 1/4 Sec. 2 T. 7 S., R. 3 W., W.M.

Bearing and distance from section or subdivision  
corner Lot 6, Block 2, Manbrin Gardens, NW  
corner of lot.



Altitude at well 132 feet interpolated

TYPE OF WELL: Drilled Date Constructed Jan. 1947, 43?

Depth drilled 135 feet Depth cased 130 feet

Section 2

### CASING RECORD:

12-inch casing set from 0 to 130 feet #25 casing

### FINISH:

3/8" perforations set from 20' to 135' having 12 perf./foot

### AQUIFERS:

gravels from 55' to 135'

### WATER LEVEL:

55' ~~44'~~ land surface Feb. 1947

PUMPING EQUIPMENT: Type Berkeley Turbine H.P. 25  
Capacity 500 G.P.M.

WELL TESTS: 99?  
Drawdown 44 ft. after \_\_\_\_\_ hours 440 G.P.M.  
Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hours \_\_\_\_\_ G.P.M.

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

SOURCE OF INFORMATION GR-20; GR-3069, Cor. GR-2872

DRILLER or DIGGER AM Jansen

### ADDITIONAL DATA:

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

### REMARKS:

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WATER RESOURCES DEPT  
SALEM, OREGON



STATE ENGINEER  
Salem, Oregon

cdc

State Well No. 7/3W-24(2)  
County MARION  
Application No. GR-24

### Well Log

Owner: MAMBRIN GARDENS, INC. Owner's No. Toni Well

Driller: \_\_\_\_\_ Date Drilled Jan. 1947 - 43?

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Gravel, and clay	0	55	55
Gravel, loose-with water	55	63	8
Sand; & Clay	63	79	16
Gravel, cemented	79	112	33
Gravel, water bearing	112	135	23
 <i>Casing - 12" to 135 1/2 ft.</i>			
 <i>Perforated - 130 ft to 135 1/2 ft.</i>			

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WATER DIVISION  
SALEM, OREGON

STATE ENGINEER  
Salem, Oregon

# Well Record

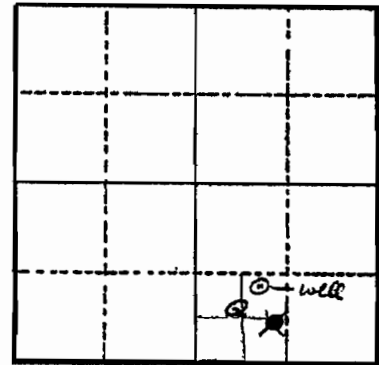
STATE WELL NO. 7/3W-3(1) <sup>dcd</sup>  
COUNTY Marion  
APPLICATION NO. GR-24

MARI...

10845  
16845  
71421

OWNER: Manbrin Gardens Inc. MAILING ADDRESS: Box 48  
LOCATION OF WELL: Owner's No. Shoreline CITY AND STATE: Salem, Oregon

SW 1/4 SE 1/4 Sec. 3 T. 7 S., R. 3 W., W.M.  
Bearing and distance from section or subdivision  
corner Lot 7, Block 14, Manbrin Gardens,  
Annex #2



Section 3

Altitude at well 131 feet interpolated

TYPE OF WELL: Drilled Date Constructed May 1953  
Depth drilled 140 feet Depth cased 130 feet

### CASING RECORD:

10-inch casing set from 0 to 130 feet

### FINISH:

3/8" perforations set from 104' to 135 feet 12 perf./foot and 31 rows

### AQUIFERS:

gravels, from 34' to 40 feet and from 99' to 136 feet below land surface

### WATER LEVEL:

40 feet below land surface May 1953

PUMPING EQUIPMENT: Type Berkeley Turbine H.P. 25  
Capacity 500 G.P.M.

### WELL TESTS:

Drawdown 98 ft. after 465 hours G.P.M.  
Drawdown ft. after hours G.P.M.

USE OF WATER Municipal Temp. °F., 19

SOURCE OF INFORMATION GR-20

DRILLER or DIGGER

### ADDITIONAL DATA:

Log  Water Level Measurements  Chemical Analysis  Aquifer Test

### REMARKS:

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State Printing 88816

T 10592

STATE ENGINEER  
Salem, Oregon

3dca

State Well No. 7/31-24  
County Marion  
Application No. GR-24

# Well Log

Owner: Manbrin Gardens, Inc. Owner's No. Shoreline well

Driller: \_\_\_\_\_ Date Drilled January 1947

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Subsoil	0	27	27
Gravel, cemented	27	34	7
Gravel, water bearing	34	40	6
Gravel, cemented with yellow clay	40	63	23
Gravel, water bearing	63	67	4
Gravel, cemented with blue clay	67	81	14
Clay, blue with sand	81	99	18
Gravel, water bearing	99	103	4
Gravel, cemented with blue clay	103	108	5
Gravel, cemented with yellow clay	108	118	10
Gravel, cemented with intermittent water seams	118	135	17
Gravel, cemented	135	136.5	1.5
Gravel, cemented with yellow clay	136.5	140	3.5

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WATER RESOURCES  
SALEM OREGON

T 10592

Marion

7/30-3 dca

Oregon State Board of Health

101

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Manbrin Gardens Description of source Well #2

Analysis by M.H.P. Date 3/9/54 Collected by J.L.A. Date 2/4/54

RESULTS

Parts per million

Turbidity	_____
Color: Apparent	_____ True <u>3</u>
Odor: Hot	_____ Cold _____
Total Solids	_____ <u>261</u>
Loss on Ignition	_____ <u>86</u>
Silicon (SiO <sub>2</sub> )	_____ <u>39</u>
Chloride (Cl)	_____ <u>13.5</u>
Sulfate (SO <sub>4</sub> )	_____ <u>19.9</u>
Calcium (Ca)	_____ <u>19.6</u>
Magnesium (Mg)	_____ <u>18</u>
Aluminum (Al)	_____ <u>0</u>
Orthophosphates (PO <sub>4</sub> )	_____ <u>.2</u>
Metaphosphates (PO <sub>3</sub> ) <sub>6</sub>	_____
Alkalinity (as CaCO <sub>3</sub> ): Carbonate	_____ <u>0</u>
Bicarbonate	_____ <u>127</u>
Hardness (as CaCO <sub>3</sub> )	_____ <u>127</u>
Sodium and Potassium (as Na)	_____ <u>12</u>
Iron (Fe)	_____ <u>.3</u>
Manganese (Mn)	_____ <u>.25</u>
Fluoride (F)	_____ <u>0</u>
Carbon Dioxide (CO <sub>2</sub> )	_____ <u>2.5</u>
pH	<u>8.0</u>

Remarks \_\_\_\_\_

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SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Marbrin Gardens Description of source Well #1  
Analysis by M.H.P. Date 3/9/54 Collected by J.L.A. Date 2/4/54

RESULTS

	<u>Parts per million</u>
Turbidity _____	
Color: Apparent _____ True _____	3
Odor: Hot _____ Cold _____	
Total Solids _____	209
Loss on Ignition _____	88
Silicon (SiO <sub>2</sub> ) _____	39
Chloride (Cl) _____	10.5
Sulfate (SO <sub>4</sub> ) _____	3.1
Calcium (Ca) _____	20.0
Magnesium (Mg) _____	17.5
Aluminum (Al) _____	0
Orthophosphates (PO <sub>4</sub> ) _____	.5
Metaphosphates (PO <sub>3</sub> ) <sub>6</sub> _____	
Alkalinity (as CaCO <sub>3</sub> ): Carbonate _____	0
Bicarbonate _____	125
Hardness (as CaCO <sub>3</sub> ) _____	122
Sodium and Potassium (as Na) _____	12
Iron (Fe) _____	.2
Manganese (Mn) _____	0
Fluoride (F) _____	0
Carbon Dioxide (CO <sub>2</sub> ) _____	3
pH <u>7.9</u>	
Remarks _____	

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