

Water Rights Section

AUGUST 5, 2002

Groundwater/Hydrology Section

Reviewer's Name

.. Application G- 15709

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. ~~PER THE~~ Basin rules, one or more of the proposed POA's is/is not within ~~_____~~ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. _____ will have the potential for substantial interference with the nearest surface water source, namely _____; or
 - b. X will not have the potential for substantial interference with the nearest surface water source, namely LOUSE CRK; or
 - c. X will, if properly conditioned, adequately protect the surface water from interference:
 - i. X The permit should contain condition #(s) 7B, 7C (MARCH), 7F, 7J; or
 - ii. X The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below; or
 - d. _____ will, with well reconstruction, adequately protect the surface water from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. _____ will likely be available in the amount requested without injury to prior rights and/or is within the capacity of the resource; or
 - b. _____ will not be available in the amount requested without injury to prior rights and/or is within the capacity of the resource; or
 - c. X will, if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. X The permit should contain condition #(s) 7B, 7C (MARCH), 7F, 7J;
 - ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below; or
- 4.
- a. _____ THE PERMIT should allow groundwater production from no deeper than _____ feet below land surface;
 - b. _____ The permit should allow groundwater production from no shallower than _____ feet below land surface;
 - c. _____ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ feet and _____ feet below land surface;
 - d. _____ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. _____ One or more POA's commingle two or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS:

No groundwater use shall begin until a properly functioning, totalizing flow meter is installed.

RECEIVED

(Well Construction Considerations on Reverse Side)

AUG 08 2002

WATER RESOURCES DEPT.
SALEM, OREGON

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:

- a. ☐ review of the well log;
- b. ☐ field inspection by _____;
- c. ☐ report of CWRE _____;
- d. ☐ other: (specify) _____

6. THE WELL construction deficiency:

- a. ☐ constitutes a health threat under Division 200 rules;
- b. ☐ commingles water from more than one groundwater reservoir;
- c. ☐ permits the loss of artesian head;
- d. ☐ permits the de-watering of one or more groundwater reservoirs;
- e. ☐ other: (specify) _____

7. THE WELL construction deficiency is described as follows: _____

8. THE WELL

- a. ☐ was constructed according to the standards in effect at the time of original construction or most recent modification.
- b. ☐ was not constructed according to the standards in effect at the time of original construction or most recent modification.
- c. ☐ I do not know if it met standards at the time of construction.

RECOMMENDATION:

- A. ☐ I recommend including the following condition in the permit: "No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ☐ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.

(Signature)

_____, 200__

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

(Signature)

_____, 200__

MEMO

AUGUST 5, 2002

TO: Application G- 15709

FROM: GW: IVAN GALL
(Reviewer's Name)

SUBJECT: Scenic Waterway Interference Evaluation

☒ Yes

☐ No

The source of appropriation is within or above a Scenic Waterway

☒ Yes

☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: (To be filled out only if Preponderance of Evidence box is not checked)

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

[illegible]



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

942 SW 6th Street

Suite E

Grants Pass, OR 97526

(541) 471-2886

FAX (541) 471-2876

WATER RESOURCES DEPARTMENT MEMORANDUM

Date: August 5, 2002
To: Groundwater/Hydrology
From: Ivan Gall – Southwest Region Hydrogeologist, Grants Pass *IKB*
Subject: GW Application **G-15709**

Applicant: H. Willis and Janice L. Lotts, 311 Grouse Creek Road
Seek: 15.54 gpm
From: One drilled well, Rogue Basin
Proposed Use: Irrigation of 2.77 acres
Quad Names: Sexton Mountain

Well # 1 **(JOSE 54692)**
35S/05W-30aa (NE of the NE) Taxlot 233, Josephine County
Well elevation at site is ~1,375 feet (NGVD 1929)
Well is 440 feet deep, cased to 78 feet and sealed to 50 feet bgs
Water found at 200-420 feet bgs
SWL: 06-14-2002 40 feet bgs (from well log)
Water Level Elevation is approximately 1,335 feet

Nearby Surface Water Louse Creek
Well is ~ 1,500 feet north of Louse Creek
Louse Creek elevation near site is ~1,280 feet (NGVD 1929)

Evaluation Summary

The subject property is located east of Interstate 5 near Merlin, Oregon, east of Soldier Creek and north of Louse Creek. Topography slopes down to the southwest towards Louse Creek. The area is primarily rural residential, known locally as Colonial Valley.

The applicant is applying for 15.5 gallons per minute (gpm) for a primary irrigation right for 2.77 acres. The total duty requested with the application is 6.96 acre-feet.

The bedrock in the area is composed of the quartz diorite Grants Pass pluton. Overlying the bedrock is a variable thickness of colluvium, which is underlain by the weathered upper



portion of the pluton. Well logs in the vicinity of the subject site suggest that the depth to weathered bedrock is approximately 10 to 20 feet.

Well logs in Section 05 listed in GRID: 185

Well logs with yields of 5 gpm or less: 6

Highest well yield: 2 wells at 150 gpm; 6 wells total over 100 gpm

Well depth range: 49 logs with depths less than or equal to 100 feet, 13 wells at or over 200 feet deep

Number of Well Deepenings: 7 deepenings occurred, no single time period dominates the deepenings

The subject well log reports the yield as 60 gpm.

No water level data from state observation wells are available for this area.

The WRD water availability model indicates that no water is available in Louse Creek for any of the 12 months at the 80% exceedance level. There are two instream water rights on Louse Creek; see Certificates 72684 and 73037.

An aquifer test was conducted on JOSE 54692 during late June, 2002. Coleman's Well Drilling Co. conducted the test; recovery data were collected by Gall (OWRD). A discharge rate of approximately 15 gallons per minute was sustained using a submersible pump for 48 hours. The discharge rate was measured using a 5-gallon bucket and stopwatch. Water level data were collected in the pumping well, in a second well on Lotts' property (JOSE 50530), and in the James D. Smith well (a neighbor complaining of well interference; no log available, well is reported at 75 feet deep).

No substantial water level response resulting from pumping JOSE 54692 was observed in either of the two observation wells, so no recovery data were collected from these wells. JOSE 50530 showed a possible decline of approximately 0.4 feet after 48 hours of pumping. However, many other wells exist in the area; several lawn sprinklers were observed running by WRD before, during, and after the aquifer test.

Water level data collected at the James D. Smith well indicated some small fluctuations, likely a result of other nearby wells pumping. However, a decline during the last 12 hours of the aquifer may have occurred. Coleman's reported that Smith's well had cycled on the last morning of the pumping, resulting in the last two water levels being 0.2 feet lower.

The water level in the pumping well declined from a static of approximately 46.5 feet to 70.48 feet during the 48 hours of continuous pumping. Following 72 hours of recovery, the water level in the pumping well still had 2.7 feet of remaining drawdown. Storage in the fractured bedrock aquifer is likely relatively limited, but appears to be sufficient to support the proposed use without injury to the resource. However, water levels should be measured in March to evaluate seasonal recharge effects.

Recommendation:

Ground water appears to be available for irrigation from JOSE 54692 in the requested amount without the potential for substantial interference with Louse Creek or other senior ground water users in the area. The permit should contain the following conditions:

7B, 7C (measurement to be taken in March of each year), 7F, and 7J

Additionally, no water use under this permit shall begin until a properly functioning, totalizing flow meter is installed.

References:

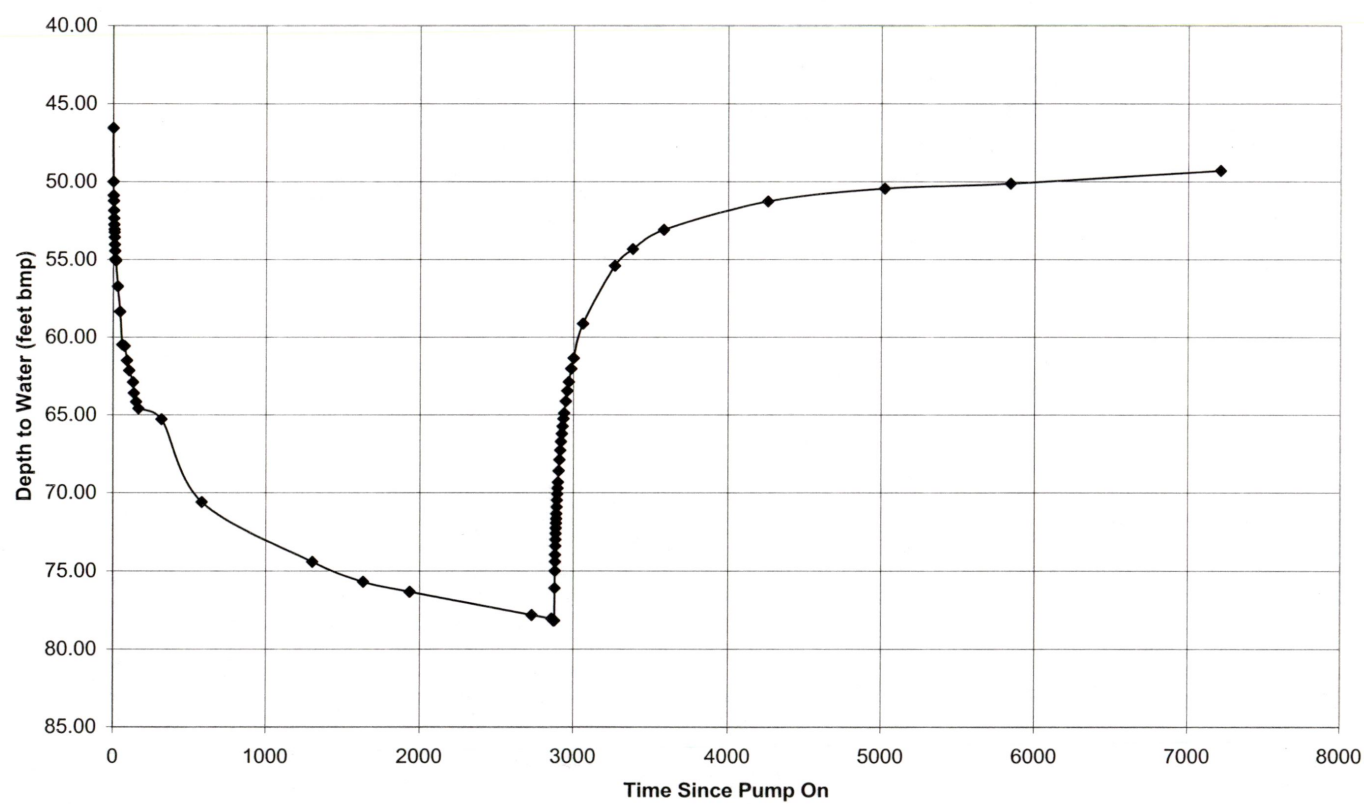
1. WRD GRID well log database and WRD water availability model.
2. 1986 Provisional USGS topographic maps, Sexton Mtn. And Grants Pass, Oregon. 1:24,000 sheets.
3. Ramp, L., 1979. Geology and Mineral Resources of Josephine County, Oregon. Bulletin 100, Oregon Department of Geology and Mineral Industries.

JOE 50530

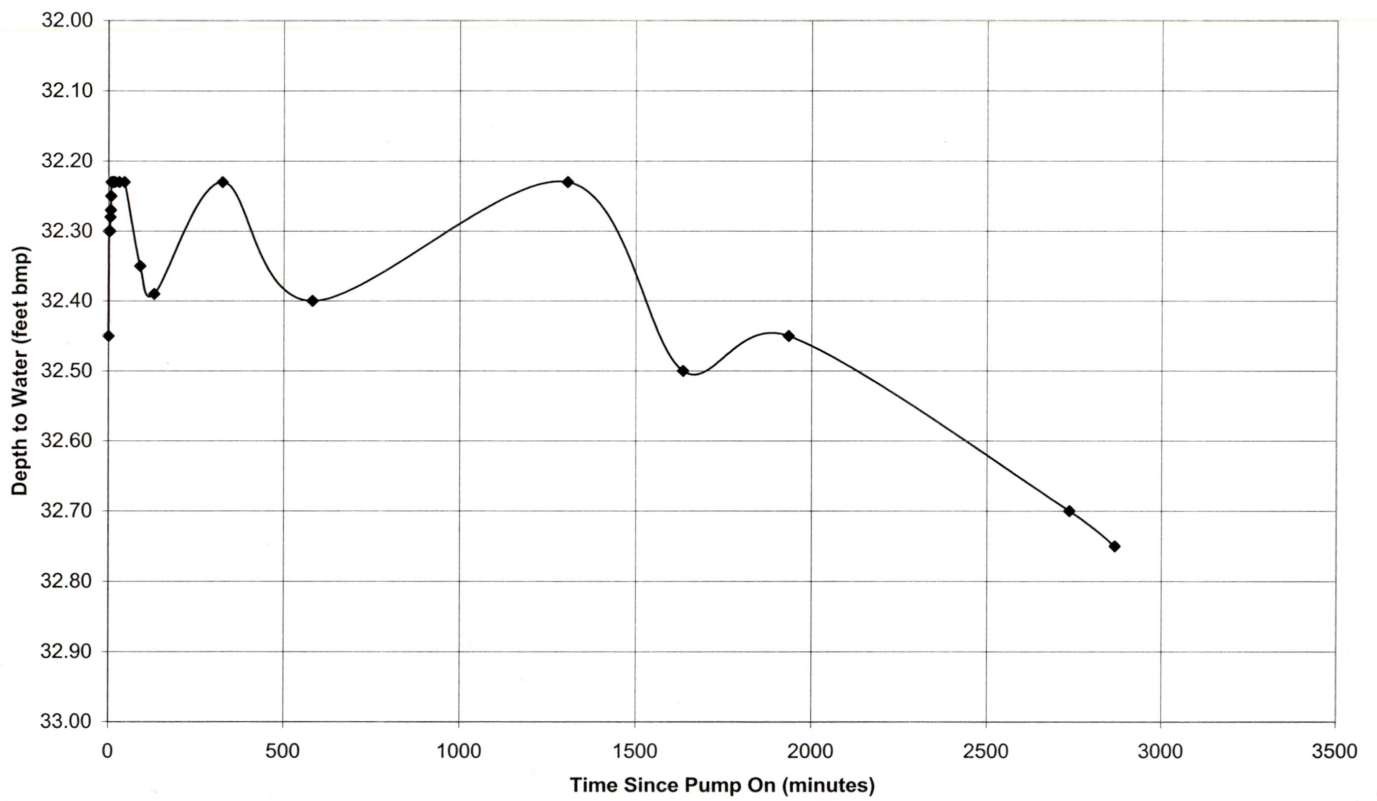
Time Since Pump On (minutes)	Depth to Water JOSE 54692 (feet bmp)	Time Since Pump On (minutes)	Lotts Shallow Well (dtw feet bmp)	Time Since Pump On (minutes)	James Smith Obs. Well DTW (feet bmp)
0	46.55	0	32.45	0	42.05
1	50.00	1	32.30	1	42.10
2	50.88	2	32.30	2	42.10
3	51.24	3	32.30	3	42.10
4	51.85	4	32.30	4	42.10
5	52.35	5	32.28	5	42.10
6	52.76	6	32.27	6	42.10
7	53.07	7	32.25	7	42.10
8	53.25	8	32.23	8	42.10
9	53.57	9	32.23	9	42.10
10	54.04	10	32.23	10	42.10
12	54.45	12	32.23	12	42.10
14	54.98	14	32.23	14	42.10
16	55.04	16	32.23	16	42.10
18	55.08	18	32.23	18	42.10
30	56.74	30	32.23	30	42.10
45	58.37	45	32.23	60	42.10
60	60.48	90	32.35	240	42.50
75	60.58	130	32.39	300	42.00
90	61.50	325	32.23	360	42.00
105	62.15	580	32.40	420	42.00
130	62.90	1305	32.23	480	41.90
135	63.60	1635	32.50	540	41.90
150	64.16	1935	32.45	600	41.90
165	64.60	2735	32.70	660	41.90
315	65.28	2865	32.75	720	42.00
580	70.60			1310	41.96
1305	74.42			1380	42.05
1635	75.70			1440	42.05
1935	76.34			1500	42.05
2730	77.82			1560	42.05
2860	78.05			1620	42.05
2872	78.18			1740	42.05
2879	78.17			1895	42.05
2880.5	76.10			1965	42.05
2881.5	75.00			2745	42.28
2882.25	74.41			2865	42.25
2883	73.97				
2884	73.41				
2885	73.00				
2886	72.61				
2887	72.26				
2888	71.95				
2889	71.66				
2890	71.35				
2892	70.91				

Time Since Pump On (minutes)	Depth to Water JOSE 54692 (feet bmp)	Time Since Pump On (minutes)	Lotts Shallow Well (dtw feet bmp)	Time Since Pump On (minutes)	James Smith Obs. Well DTW (feet bmp)
2894	70.48				
2896	70.08				
2898	69.71				
2900	69.33				
2905	68.59				
2910	67.88				
2915	67.27				
2920	66.71				
2925	66.21				
2930	65.73				
2935.5	65.25				
2940	64.89				
2950	64.13				
2960	63.46				
2970	62.88				
2985	62.03				
3000	61.35				
3060	59.14				
3265	55.41				
3380	54.33				
3580	53.09				
4260	51.27				
5020	50.45				
5840	50.12				
7210	49.29				

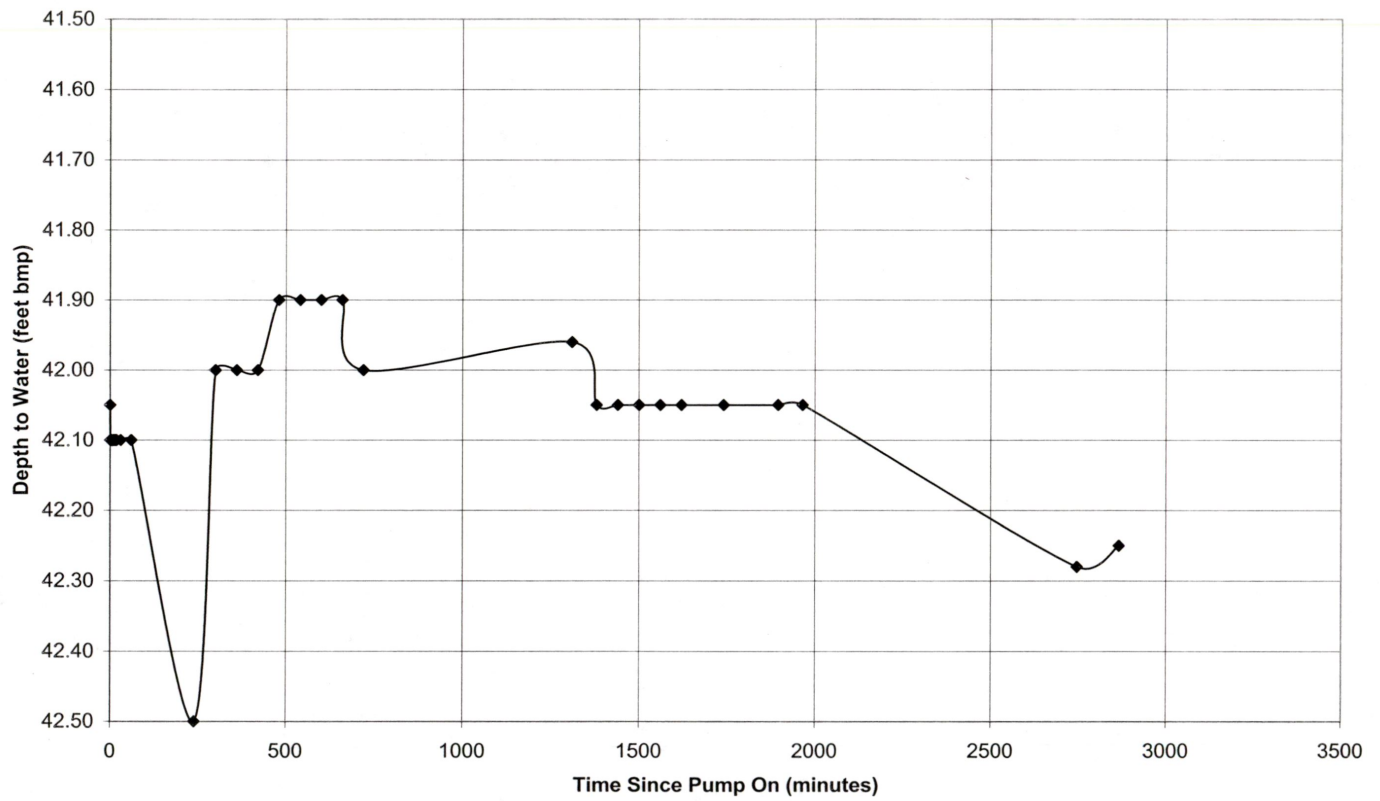
Lotts Pumping Well (JOSE 54692)
Aquifer Test June 25-27, 2002



**Lotts Shallow Observation Well
G-15709 Aquifer Test June 25-27, 2002**



James Smith Observation Well
G-15709 Aquifer Test June 25-27, 2002



06/27/2002 LOTTJ-GROUSE CRK. RECON. DATA		
NOTES		
TIME	DTW (FT BTOL)	PUMP OFF 0900 - 08:12.15gpm
0859	128.50+0.17=78.17	MEAS. = DTW FT BTOL
0900:30	126.10-50 = 76.10	DATA COLLECTED BY I.K. GALL/CLWARD
0901:30	125.00-50 = 75.00	
0902:15	124.41-50 = 74.41	
0903	123.97-50 = 73.97	
0904	123.41-50 = 73.41	
0905	123.00-50 = 73.00	
0906	122.61-50 = 72.61	
0907	122.26-50 = 72.26	
0908	121.95-50 = 71.95	
0909	121.66-50 = 71.66	
0910	121.35-50 = 71.35	
0912	120.91-50 = 70.91	
0914	120.48-50 = 70.48	
0916	120.08-50 = 70.08	
0918	119.71-50 = 69.71	
0920	119.33-50 = 69.33	
0925	118.59-50 = 68.59	
0930	117.88-50 = 67.88	
0935	117.27-50 = 67.27	
0940	116.71-50 = 66.71	
0945	116.21-50 = 66.21	
0950	115.73-50 = 65.73	
0955:30	115.25-50 = 65.25	
10:00	114.89-50 = 64.89	
10:10	114.13-50 = 64.13	
10:20	113.46-50 = 63.46	
10:30	112.89-50 = 62.89	
10:45	112.03-50 = 62.03	
11:00	111.35-50 = 61.35	
12:00	109.14-50 = 59.14	
15:25	105.41-50 = 55.41	
17:20	104.33-50 = 54.33	
20:40	103.09-50 = 53.09	
06/28/2002 0800 101.27-50 = 51.27		
" " 20:40 100.45-50 = 50.45		
06/29/2002 10:20 100.12-50 = 50.12		
06/30/2002 09:10 99.29-50 = 49.29		

27 THURSDAY
JUNE, 2002 • 178th Day, 187 Days Left • 26th Week

APPOINTMENTS & SCHEDULED EVENTS	DIARY AND WORK RECORD
0730 office	8
LOTTJ AG TEST - RECON. DATA	9
	10
	11
Ag. test	12
office	1
Dr's	2
office	3
Ag. test	4
	5
	6
	7
Ag. test	8

TO BE DONE TODAY (ACTION LIST) EXPENSE & REIMBURSEMENT RECORD

LOTTJ PUMPING WELL: DTW = 75+3.23 = 78.23 FT BTOL 08:45

NORM'S TAPE

GALL'S TAPE 0852 = 128-50+0.18 = 78.18 FT BTOL

PUMP TEST FIELD DATA SHEET

Coleman's Well Drilling Co

Ph. 476-7129 -- 2075 N. W. Vine St

Grants Pass, Oregon 97526

DATE: 1 of 3☒ PUMPED WELLPUMP SETTING 420 FEET DISCHARGE RATE 15 G.P.M.PUMP SIZE AND TYPE 2HP☐ OBSERVATION WELL No. _____ DISTANCE TO PUMPED WELL _____ FEETOWNER WILLIS LOTTS ADDRESS _____WELL LOCATION, T. _____ R. _____ SECTION 14 TAX LOT _____MEASURING POINT IS TOP OF WELL SEALWHICH IS 2" FEET ABOVE / BELOW LAND SURFACESTATIC WATER LEVEL _____ FEET WELL DEPTH 440 FEET

OBSERVERS _____

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
9:00	0			45.00	+1.55	46.55			30PSI
9:01	1			50.00	----	50.00	3.45	15	
9:02	2			50.00	+ .88	50.88	4.33		
9:03	3			50.00	+1.24	51.24	4.69	15	
9:04	4			50.00	+1.85	51.85	5.30		
9:05	5			50.00	+2.35	52.35	5.80		30PSI
9:06	6			50.00	+2.76	52.76	6.21	15	
9:07	7			50.00	+3.07	53.07	6.52		
9:08	8			50.00	+3.25	53.25	6.70		
9:09	9			55.00	-1.43	53.57	7.02		
9:10	10			55.00	-0.96	54.04	7.49	15	30PSI
9:12	12			55.00	-0.55	54.45	7.90		
9:14	14			55.00	-0.02	54.98	8.43		
9:16	16			55.00	+0.04	55.04	8.49		
9:18	18			55.00	+0.38	55.08	8.53		
9:20	20			----	----	----	----		
9:30	30			55.00	+1.74	56.74	10.19		

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☒ PUMPED WELL☐ OBSERVATION WELL No.

DATE

PAGE 2 OF 3

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
9:45	45			60.00	-1.63	58.37	11.82		
10:00	60			60.00	+0.48	60.48	13.93	15	30PSI
10:15	75			60.00	+0.58	60.58	14.03		
10:30	90			60.00	+1.50	61.50	14.95	15	
10:45	105			60.00	+2.15	62.15	15.60		
11:00	120			60.00	+2.90	62.90	16.35		
11:15	135			65.00	-1.40	63.60	17.05		
11:30	150			65.00	-.84	64.16	17.61		
11:45	165			65.00	-.40	64.60	18.05		
	180								
2:15	195	315		65.00	+.28	65.28	18.73		
	210								
6:40	225	580		70.00	+0.60	70.60	24.05	15	30PSI
	240								
Am 6:45	255	1305		75.00	-.58	74.42	27.87		
	270								
12:15	285	1635		75.00	+.70	75.70	29.15		
5:15	300	1935		75.00	+1.34	76.34	29.79		
	315								
Am 6:30	330	2730		75.00	+2.82	77.82	31.27		
8:40	345	2860		75.00	+3.05	78.05	31.50		
	360								
Am 8:55	375	RECOVERY		100.00	+1.32	51.32	4.77		Tape 50 Short

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☒ PUMPED WELL☐ OBSERVATION WELL No.

DATE

PAGE 3 OF 3

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEAS- UREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
6:55	390			100.00	+1.30	51.30	4.75		tape 50ft
	405								short
2:15	420			100.00	+.10	50.10	3.55		//
	435								
	450								
	465								
	480								
	495								
	510								
	525								
	540								
	555								
	570								
	585								
	600								
	615								
	630								
	645								
	660								
	675								
	690								
	705								
	720								

END OF PUMPING - TURN OFF PUMP -

PUMP TEST FIELD DATA SHEET

Coleman's Well Drilling Co.

Ph. 476-7129 -- 2075 N. W. Vine St

Grants Pass, Oregon 97526

DATE: 1 of 2

PUMPED WELL

PUMP SETTING _____ FEET DISCHARGE RATE _____ G.P.M.

PUMP SIZE AND TYPE _____

OBSERVATION WELL No. #1 DISTANCE TO PUMPED WELL _____ FEETOWNER WILLIS LOTTS ADDRESS _____WELL LOCATION, T. _____ R. _____ SECTION 1/4 TAX LOT _____MEASURING POINT IS _____ TOP OF WELL ☒ SEALWHICH IS 1'6" FEET ABOVE / BELOW LAND SURFACE

STATIC WATER LEVEL _____ FEET WELL DEPTH _____ FEET

OBSERVERS _____

06/25/2002

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
9:00	0			30.00	+2.45	32.45			
9:01	1			30.00	+2.30	32.30			
9:02	2			30.00	+2.30	32.30			
9:03	3			30.00	+2.30	32.30			
9:04	4			30.00	+2.30	32.30			
9:05	5			30.00	+2.28	32.28			
9:06	6			30.00	+2.27	32.27			
9:07	7			30.00	+2.25	32.25			
9:08	8			30.00	+2.23	32.23			
9:09	9			30.00	+2.23	32.23			
9:10	10			30.00	+2.23	32.23			
9:12	12			30.00	+2.23	32.23			
9:14	14			30.00	+2.23	32.23			
9:16	16			30.00	+2.23	32.23			
9:18	18			30.00	+2.23	32.23			
9:20	20			30.00	+2.23	32.23			
9:30	30			30.00	+2.23	32.23			

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☐ PUMPED WELL

DATE

☒ OBSERVATION WELL No. 1PAGE 2 OF 2

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
9:45	45			---	---	---			
10:00	60			---	---	---			
10:15	75			---	---	---			
10:30	70			30.00	+2.35	32.35			
10:45	105			---	---	---			
11:00	120			30.00	+2.39	32.39			
11:15	135			---	---	---			
	150			---	---	---			
2:25	165	325		30.00	+2.23	32.23			
	180			---	---	---			
6:40	195	580		30.00	+2.40	32.40			
	210			---	---	---			
06/26/02 6:45	225	? 1305		30.00	+2.40	32.40			
	240			---	---	---			
12:15	255	? 1635		30.00	+2.50	32.50			
1:30	270			---	---	---			
5:15	285	? 1935 2735		30.00	+2.45	32.45			
6/27/02 6:35	300	2735		30.00	+2.70	32.70			
8:45	315	2865		30.00	+2.75	32.75			
2:30	330								
	345								
	360								
	375								

PUMP TEST FIELD DATA SHEET

Coleman's Well Drilling Co

Ph. 476-7129 -- 2075 N. W. Vine St.

Grants Pass, Oregon 97526

DATE: 1 of 4

PUMPED WELL

PUMP SETTING _____ FEET DISCHARGE RATE _____ G.P.M.

PUMP SIZE AND TYPE _____

OBSERVATION WELL No. 2 DISTANCE TO PUMPED WELL _____ FEETOWNER JIM SMITH ADDRESS _____WELL LOCATION, T. _____ R. _____ SECTION 14 TAX LOT _____

MEASURING POINT IS _____

WHICH IS _____ FEET ABOVE / BELOW LAND SURFACE

STATIC WATER LEVEL _____ FEET WELL DEPTH _____ FEET

OBSERVERS _____

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
9:00	0			40.00	+2.05	42.05			
9:01	1			40.00	+2.10	42.10			
9:02	2			40.00	+2.10	42.10			
9:03	3			40.00	+2.10	42.10			
9:04	4			40.00	+2.10	42.10			
9:05	5			40.00	+2.10	42.10			
9:06	6			40.00	+2.10	42.10			
9:07	7			40.00	+2.10	42.10			
9:08	8			40.00	+2.10	42.10			
9:09	9			40.00	+2.10	42.10			
9:10	10			40.00	+2.10	42.10			
9:12	12			40.00	+2.10	42.10			
9:14	14			40.00	+2.10	42.10			
9:16	16			40.00	+2.10	42.10			
9:18	18			40.00	+2.10	42.10			
9:20	20			40.00	+2.10	42.10			
9:30	30			40.00	+2.10	42.10	Jim Smith moved red tape to 42.10'		

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☒ PUMPED WELL☐ OBSERVATION WELL No.

DATE

PAGE 2 OF 4

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEAS- UREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
	45								
10:00	60			40.00	+2.10	42.10			
	75								
	90								
	105								
	120								
	135								
	150								
	165								
	180								
	195								
	210								
	225								
1:00	240			40.00	+2.50	42.50			
	255								
	270								
	285								
2:00	300			40.00	+2.00	42.00			
	315								
	330								
	345								
3:00	360			40.00	+2.00	42.00			
	375								

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☒ PUMPED WELL☐ OBSERVATION WELL No.

DATE

PAGE 3 OF 4

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEAS- UREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START(t)	STOP(t')							
	390								
	405								
4:00	420			40.00	+2.00	42.00			
	435								
	450								
	465								
5:00	480			40.00	+1.90	41.90			
	495								
	510								
	525								
6:00	540			40.00	+1.90	41.90			
	555								
	570								
	585								
7:00	600			40.00	+1.90	41.90			
	615								
	630								
	645								
8:00	660			40.00	+1.90	41.90			
	675								
	690								
	705								
9:00	720			40.00	+2.00	42.00			

END OF PUMPING - TURN OFF PUMP.

PUMP TEST FIELD DATA SHEET

CONTINUATION SHEET

☒ PUMPED WELL☐ OBSERVATION WELL No.~~RECOVERY~~

DATE

PAGE 4 OF 4

CLOCK TIME	TIME SINCE PUMP		t/t'	ELECTRIC TAPE MEASUREMENT	+ or - STEEL TAPE	DEPTH TO WATER	DRAWDOWN OR RESIDUAL DRAWDOWN	Q IN GPM	REMARKS
	START (t)	STOP (t')							
6:50	721	1 1310		40.00	+1.96	41.96			
	722	2							
Am 8:00	723	3 1340		40.00	+2.05	42.05			
	724	4							
	725	5							
	726	6							
Am 9:00	727	7 1440		40.00	+2.05	42.05			
	728	8							
Am 10:00	729	9 1500		40.00	+2.05	42.05			
	730	10							
Am 11:00	732	12 1560		40.00	+2.05	42.05			
	734	14							
NOON 12:00	736	16 1620		40.00	+2.05	42.05			
	738	18							
	740	20							
Pm 2:00	750	30 1740		40.00	+2.05	42.05			
	765	45		40.00	+2.05	42.05			
	780	60							
Pm 4:35	795	75 1895		40.00	+2.05	42.05	Gall - down		
Pm 5:45	810	90 1965		40.00	+2.05	42.05			
Am 6:45	825	105 2745		40.00	+2.28	42.28			
8:45	840	120 2865		40.00	+2.25	42.25			
	855	135							