



# Oregon

John A. Kitzhaber, M.D., Governor

Kelly

Water Resources Department

Commerce Building  
158 12th Street NE  
Salem, OR 97310-0210  
(503) 378-3739  
FAX (503) 378-8130

INTEROFFICE MEMO

TO: TRANSFER SECTION

DATE: 3-27-07

FROM:

1 WATERMASTER DISTRICT #  
[REDACTED]

(SIGNATURE) Don Miller date signed 4/24/07

SUBJECT: PERMIT AMENDMENT # 10341

A change in: POU POD APOA of water.

In the name(s) of City of Troutdale

In my opinion (assuming the right is valid), the proposed change

MAY BE MADE WITHOUT INJURY WOULD RESULT IN INJURY\* to an existing water right.

\*The approval of this transfer application would result in injury to other water rights because \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The existing right may not be valid because \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Headgate notices HAVE HAVE NOT Been issued for diversion from the source(s) which serve(s) this right.

If for change in point of diversion, is there any intervening point(s) for diversion between the authorized and proposed points of diversion? (Yes or No) \_\_\_\_\_

In my opinion, the order approving the subject transfer application should include the following in regard to the appropriator installing suitable measuring devices in the diversion works:

- \_\_\_\_\_ (1) PRIOR to the diverting of water at the new point of diversion . . .
- \_\_\_\_\_ (2) WHEN IN the judgement of the watermaster it becomes necessary . . .

The enclosed copy of the transfer application and map(s) is for your records.



**STATE OF OREGON**  
**Water Resources Department**  
**725 Summer St. N.E., Ste. A**  
**Salem, OR 97301**

**MEMORANDUM**

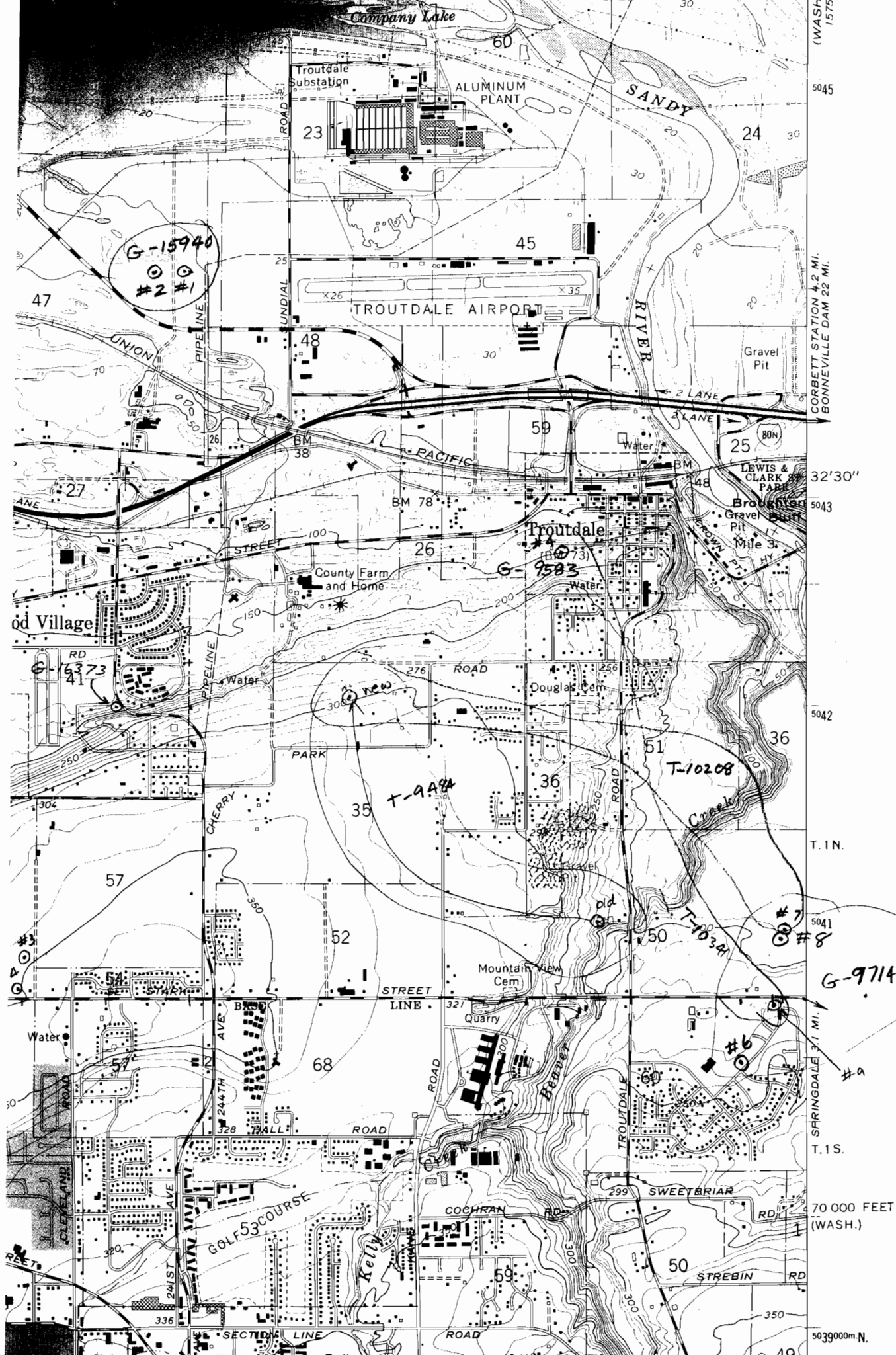
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DATE: 4/24/2007

TO: File T-10341, City of Troutdale  
FROM: Donn Miller, Hydrogeologist  
SUBJECT: Transfer Comments

Focusing on the change addressed by this review, the transfer seeks to add a POA (un-built well but with construction described) to an existing permit (G-9866). This would be a permit amendment. The authorized well on the permit is MULT 1340. It develops water from the Sand and Gravel Aquifer. The proposed well would also develop that aquifer based on the proposed construction and aquifer geometry per the USGS WRIR 90-4196.

The transfer should not result in injury since the aquifer is thick and the closest identified user is more than 1000 feet away. Full development of the resource should provide ample cushioning for interference.



(WASH.) 1575 1  
5045  
CORBETT STATION 4.2 MI.  
BONNEVILLE DAM 22 MI.  
32'30"  
5043  
5042  
T.1N.  
5041  
5040  
SPRINGDALE 37 MI.  
T.1S.  
70 000 FEET (WASH.)  
5039000m.N.  
49



11/36-25eb

# R. J. Strasser Drilling Co.

8110 S. E. Sunset Lane  
Portland, Oregon 97206

August 20, 1980

RECEIVED  
AUG 28 1980  
WATER RESOURCES DEPT  
SALEM, OREGON

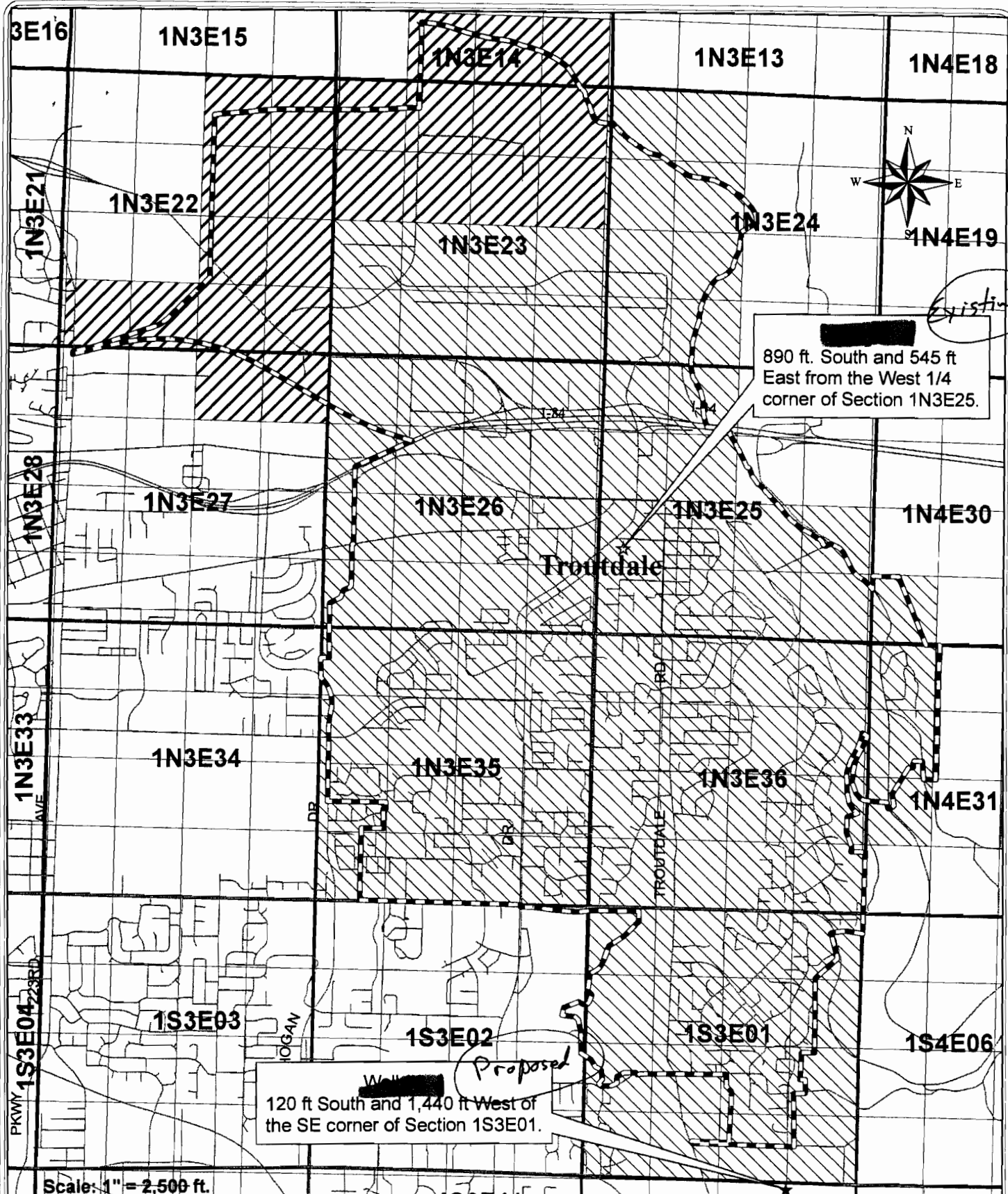
Log of well No. 4 City of Troutdale

brown sand	0 - 9
cemented gravel	9 - 18
sand and gravel	18 - 23
cemented gravel	23 - 94
brown clay	94 - 100
blue clay	100 - 148
blue and brown clay	148 - 155
blue clay	155 - 218
cemented gravel	218 - 287
sand	287 - 296
blue clay	296 - 302
grey clay	302 - 313
blue and brown clay	313 - 328
grey clay and seams	328 - 348
green clay	348 - 356
conglomerate	356 - 365
cemented gravel	365 - 392
sand and gravel	392 - 405
silty clay	405 - 417
sand and clay stone	417 - 419
sand, silt, some gravel	419 - 485
green sandstone	485 - 486
sand, silt, and gravel	486 - 570
brown sand and claystone	570 - 573

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MAR 16 2007

WATER RESOURCES DEPT.  
SALEM OREGON



890 ft. South and 545 ft East from the West 1/4 corner of Section 1N3E25.

120 ft South and 1,440 ft West of the SE corner of Section 1S3E01.

- Legend**
- ★ Proposed Additional Point of Appropriation
  - ☆ Existing Point of Appropriation
  - ▨ Proposed Additional Place of Use
  - ▩ Existing Place of Use
  - ▭ Quarter Quarter Section
  - ▭ Sections
  - ▭ City Boundary



CITY OF TROUTDALE  
**Proposed Change in Point of Appropriation and Place of Use**

MARCH 2007

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 SALEM, OREGON



# STATE OF OREGON

MULTNOMAH COUNTY

## PERMIT TO APPROPRIATE THE PUBLIC WATERS

This is to certify that I have examined APPLICATION G-9583 and do hereby grant the same SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

This permit is issued to City of Troutdale of 104 Kibling Street, Troutdale, Oregon 97060, phone 665-5175, for the use of the waters of Well 4, for the PURPOSE of municipal use; that the PRIORITY OF THE RIGHT dates from July 17, 1981 for 1.11 cubic feet per second of water and September 20, 1982 for 1.11 cfs, and is limited to the amount of water which can be applied to beneficial use and shall not exceed 2.22 cfs measured at the point of diversion from the well, or its equivalent in case of rotation with other water users.

The well is to be LOCATED: 890 feet South and 545 feet East from the W 1/4 Corner of Section 25, being within the NW 1/4 SW 1/4 of Section 25, Township 1 North, Range 3 East, WM, in the County of Multnomah.

A description of the PLACE OF USE under the permit, and to which such right is appurtenant, is as follows:

Township 1 North	Range 3 East, WM	Section 23	SW 1/4	Municipal use
			SE 1/4	
		Section 24	W 1/2	
		Section 25	All except NE 1/4	
		Section 26	All	
	Range 4 East, WM	Section 35	All	
		Section 36	All	
		Section 30	SW 1/4 SW 1/4	
		Section 31	W 1/2 of NW 1/4	
			NW 1/4 SW 1/4	
Township 1 South	Range 3 East, WM	Section 1	All	

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Actual construction work shall begin on or before October 20, 1983 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1984. ~~Extended to October 1, 1989~~, 10-1-95, 10-1-2000

Complete application of the water to the proposed use shall be made on or before October 1, 1985. ~~Extended to October 1, 1989~~, 10-1-95, 10-1-2000

WITNESS my hand this 20th day of October, 1982.

/s/ JAMES E. SEXSON  
WATER RESOURCES DIRECTOR

APPLICATION G-9583

PERMIT G 9866

T-10341  
b+C ext to 10/1/17

See Back

Table 1.--Records of selected wells in the Portland Basin--Continued

Well location number	Well identification number	Owner	Date drilled	Latitude	Longitude	Altitude (feet)	Depth of open interval (feet)		Well diameter (inches)	Test method	Well performance			Water Level		Specific conductance	Remarks
							Top	Bottom			Yield (gal/min)	Draw-down (feet)	Test period (hours)	Feet below datum	Date		
MULTNOMAH COUNTY, OREGON--Continued																	
1N/3E-21BDBA1(F)	6271	CITY OF PORTLAND	1982	453330	1222649	28	195.0	52.0	62.0	--	P	500.0	4.1	3.0	14.0(D)	7/13/82	-- G
								85.0	90.0								
								116.0	126.0								
								152.0	162.0								
								183.0	193.0								
1N/3E-21BDBA2(F)	6264	CITY OF PORTLAND	1983	453330	1222649	28	169.0	85.0	165.0	--	P	10000.0	24.0	75.0	18.6	4/ 6/89	--
1N/3E-21BDC(F)	900263	COUNTY OF MULTNOMAH	1927	453322	1222646	22	65.0	65.0	65.0	8.0	N	--	--	--	8.0(D)	9/ 7/77	215
1N/3E-21CABA1(L)	900264	COUNTY OF MULTNOMAH	--	453316	1222647	17	105.0	--	--	--	N	--	--	--	11.8(D)	9/ 2/77	200
1N/3E-21CADD1(L)	900265	CITY OF PORTLAND	1981	453307	1222638	32	40.0	--	--	--	N	--	--	--	18.8	6/25/85	--
1N/3E-21CBDC1(M)	6273	W.B. WELSH	1967	453307	1222707	21	261.0	260.0	261.0	8.0	P	130.0	35.0	4.0	8.5	3/28/89	165
1N/3E-21CBDC2(M)	900266	CITY OF PORTLAND	1981	453309	1222708	45	50.0	--	--	--	N	--	--	--	--	--	--
1N/3E-21DABB1(J)	900267	BLUE LAKE WATER COOP	1970	453317	1222617	21	70.0	70.0	70.0	--	N	--	--	--	15.5	4/ 6/88	270
1N/3E-21DACB1(J)	900272	ROBERT SCHLOREDT	--	453312	1222617	22	50.0	--	--	6.0	N	--	--	--	--	--	--
1N/3E-21DBB1(K)	6268	CITY OF PORTLAND	1982	453317	1222632	30	322.0	--	--	--	N	--	--	--	--	--	G O
1N/3E-21DBB6(K)	900537		--				30.0	27.0	30.0	2.0	N	--	--	--	0.0	3/31/88	-- D T
1N/3E-21DBB3(K)	900538		--				125.0	122.0	125.0	2.0	N	--	--	--	29.2	3/31/88	-- D T
1N/3E-21DBB4(K)	900539		--				223.0	220.0	223.0	2.0	N	--	--	--	25.7	3/31/88	-- D T
1N/3E-21DBB5(K)	900540		--				320.0	317.0	320.0	2.0	N	--	--	--	21.9	3/31/88	-- D T
1N/3E-21DBB2(K)	900268	CITY OF PORTLAND	1982	453317	1222634	17	34.0	--	--	--	N	--	--	--	--	--	--
1N/3E-21DBBC1(K)	900269	CITY OF PORTLAND	1982	453316	1222634	20	55.0	--	--	--	N	--	--	--	--	--	--
1N/3E-21DBCC1(K)	900271	INTERLACHEN INC.	1941	453306	1222634	17	109.0	109.0	109.0	8.0	P	30.0	59.0	--	11.0(D)	1/ 1/41	145
1N/3E-21DBCC2(K)	6274	INTERLACHEN INC.	1967	453307	1222634	14	226.0	201.0	216.0	10.0	P	200.0	18.0	8.0	10.0(D)	10/12/67	180
								220.0	226.0								
1N/3E-21DBDC(K)	900270	DONALD TUTTLE	1947	453309	1222625	32	44.0	--	--	--	N	--	--	--	24.4(D)	9/ 8/77	280
1N/3E-21DDC(R)	6278	COLUMBIA ACRES	1956	453259	1222608	10	265.0	200.0	265.0	--	P	1500.0	100.0	4.0	0.0(D)	5/ 1/56	--
1N/3E-22BBA1(D)	900274	JAMES RIVER CORPORATION	--	453336	1222552	27	96.0	--	--	6.0	N	--	--	--	31.1(D)	9/ 8/77	315
1N/3E-23ACCA1(G)	900460	REYNOLDS METALS COMPANY	1942	453325	1222359	26	268.0	251.0	263.0	10.0	P	400.0	20.0	--	16.0(D)	2/ 1/42	-- C
1N/3E-23ACDA1(G)	900461	REYNOLDS METALS COMPANY	1942	453324	1222353	28	281.0	253.0	264.0	12.0	N	--	--	--	13.0(D)	6/ 1/42	-- C
1N/3E-23ACDC1(G)	900467	REYNOLDS METALS COMPANY	1949	453322	1222356	28	180.0	155.0	180.0	20.0	N	--	--	--	21.0(D)	7/ 1/49	-- C
1N/3E-23ACDC2(G)	900468	REYNOLDS METALS COMPANY	1955	453320	1222356	28	584.0	440.0	482.0	20.0	P	1100.0	48.0	--	78.0(D)	8/ 1/49	-- C D
								522.0	530.0								
								538.0	558.0								
1N/3E-23ACDD1(G)	900469	REYNOLDS METALS COMPANY	1955	453320	1222352	28	592.0	417.0	434.0	20.0	P	1500.0	30.0	--	45.0(D)	2/16/55	-- C D G
								502.0	533.0								
								541.0	592.0								
1N/3E-23ADCA1(H)	900462	REYNOLDS METALS COMPANY	1942	453323	1222345	28	190.0	170.0	180.0	12.0	P	1300.0	24.0	--	16.0(D)	8/ 3/42	-- C
1N/3E-23ADCA2(H)	900466	REYNOLDS METALS COMPANY	1952	453323	1222342	28	248.0	158.0	174.0	18.0	N	--	--	--	39.0(D)	1/ 1/52	-- C
								195.0	206.0								
								210.0	218.0								
								235.0	242.0								
1N/3E-23ADCB1(H)	900463	REYNOLDS METALS COMPANY	1943	453325	1222345	28	277.0	160.0	180.0	16.0	N	--	--	--	12.0(D)	4/ 1/43	-- C
								182.0	187.0								
								248.0	253.0								
1N/3E-23ADCB2(H)	900464	REYNOLDS METALS COMPANY	1952	453323	1222347	28	279.0	190.0	210.0	24.0	N	--	--	--	--	--	--
								267.0	276.0								
1N/3E-23ADC1(H)	900465	REYNOLDS METALS COMPANY	1952	453320	1222344	28	254.0	223.0	230.0	18.0	N	--	--	--	28.0(D)	3/ 1/52	-- C
								232.0	246.0								
1N/3E-23BDC(A)	6282	REYNOLDS METALS COMPANY	1967	453325	1222419	22	279.0	151.0	192.0	16.0	P	545.0	11.0	1.0	16.0(D)	10/27/67	-- C
								256.0	269.0								
1N/3E-23BDDA1(F)	900459	REYNOLDS METALS COMPANY	1942	453325	1222409	25	282.0	265.0	277.0	12.0	P	750.0	30.0	--	10.0(D)	5/ 1/42	-- C
1N/3E-23CAAD1(L)	6284	REYNOLDS METALS COMPANY	1969	453314	1222410	20	310.0	280.0	300.0	--	P	1090.0	25.0	12.0	20.0(D)	8/26/69	-- C
1N/3E-23DABA1	900473	REYNOLDS METALS COMPANY	1953	453318	1222343	27	275.0	255.0	273.0	26.0	P	1350.0	51.0	10.0	--	--	--
1N/3E-23DABC1(J)	6283	REYNOLDS METALS COMPANY	1970	453313	1222346	28	270.0	148.0	189.0	--	P	1090.0	35.0	11.0	14.0(D)	6/ 8/70	-- C
								229.0	260.0								
1N/3E-23DAB1(K)	900470	REYNOLDS METALS COMPANY	1954	453317	1222355	26	584.0	512.0	518.0	20.0	P	1475.0	101.0	--	39.0	3/22/54	-- C D
								522.0	538.0								
								544.0	555.0								
								563.0	578.0								
1N/3E-23DABD1	900471	REYNOLDS METALS COMPANY	1949	453316	1222353	27	195.0	143.0	190.0	20.0	N	--	--	--	--	--	--
1N/3E-23DABD2	900472	REYNOLDS METALS COMPANY	1949	453316	1222351	28	195.0	150.0	189.0	20.0	N	--	--	--	--	--	--
1N/3E-25ADCB(H)	500015	STATE OF OREGON	1966	453231	1222233	48	85.0	58.5	83.0	6.0	P	50.0	38.0	8.0	25.0(D)	7/25/66	177
1N/3E-25CBC1(M)	500014	CITY OF TROUTDALE	1980	453218	1222325	135	571.0	493.0	498.0	16.0	P	590.0	52.0	24.0	115.5	3/28/89	620
								508.0	513.0								
								523.0	528.0								
								538.0	553.0								
								553.0	558.0								
1N/3E-26BDDA(F)	500016	COUNTY OF MULTNOMAH	1969	453231	1222411	78	200.0	175.0	200.0	--	P	140.0	20.0	10.0	43.4	3/30/89	-- I
1N/3E-27BCC(D)	500062	NORTHWEST NATURAL GAS	1968	453241	1222556	20	405.0	--	--	10.0	N	--	--	--	--	--	--
1N/3E-27CBA(M)	500019	CITY OF FAIRVIEW	1977	453224	1222545	110	390.0	155.0	162.0	10.0	P	370.0	45.0	38.0	89.3	3/27/89	--
								170.0	196.0								
1N/3E-27CB1(M)	500021	CITY OF FAIRVIEW	1973	453224	1222557	120	360.0	270.0	290.0	16.0	P	324.0	53.0	6.0	106.2	3/27/89	211
								330.0	340.0								
								341.0	355.0								
1N/3E-27CB2(M)	500020	CITY OF FAIRVIEW	1956	453224	1222558	120	1060.0	320.0	340.0	12.0	N	--	--	--	104.2	3/27/89	214
1N/3E-27DACC1(J)	500017	CITY OF WOOD VILLAGE	1980	453216	1222503	133	300.0	200.0	230.0	12.0	P	250.0	20.0	0.5	122.7	4/ 4/89	-- G
								245.0	255.0								
								270.0	280.0								



Theis Well Function Calculator  
 Calculates drawdown for a given series of parameters

	Input Values:	Calculated Values:
Pumping rate:	1000.000 [gpm]	Q_ft3pm 133.690 [ft3pm]
Total pumping time:	10.000 [days]	t_min 14400 [min]
Radial distance to obs well:	1000 [feet]	
Storativity:	0.0004	
	24000 [gpdpft]	T_ft2pm 2.228E+00 [ft2pm]
		u 3.117E-03
		W(u) 5.197E+00
		s 24.81

*Estimated interference to nearest non-City of Troutdale well based on available data*

T-10341

Authorized  
# 4

Proposed  
# 9

	Authorized	Proposed
LSE	135'	E 225'
Elev. bottom of seal	60'	E - 225'
Elev. perf. interval	- 358' to - 428'	E - 275 to - 425
Elev. top of S+G aquifer	- 83'	E - 125'
Thickness of S+G aquifer	400' - 800'	400 - 800'
Elev. min. bottom S+G	- 483	E - 525
Elev. Bottom of well	- 436	E - 425