STATE ENGINEER Salem, Oregon Well Recommendation of the Mary Fick MARINER ADDRESS OF THE STATE OF THE SALE OF THE	STATE WELL NO. 4/2W-22E(1) COUNTY Marion APPLICATION NO. GR-488
011111111	DRESS:
LOCATION OF WELL: Owner's NoSTA	Y AND ATE: Portland, Oregon
SW 14 NW 14 Sec. 22 T. 4 S., R. 2 W., W.M	
Bearing and distance from section or subdivision	L
corner	E(1)
Altitude at well152	• ··
TYPE OF WELL: Drilled Date Constructed Sept. 1	48
Depth drilled 214 Depth cased 214	Section22
10 inch FINISH:	· ·
Casing perforated 125-127 202-212	
AQUIFERS:	
WATER LEVEL: 40' Sept.'48	
PUMPING EQUIPMENT: Type Peerless turbine Capacity 250-300 G.P.M.	н.р. 15
WELL TESTS: Drawdown ft. after hour	
Drawdown ft. after hour	
USE OF WATER Irrigation 70 acres Tem SOURCE OF INFORMATION GR-488 DRILLER or DIGGER R.J. Strasser ADDITIONAL DATA:	p, 19, 19
LogX Water Level Measurements Che	mical Analysis

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WATER RESOURCES DEPT SALEM, OREGON

STATE ENGINEER Salem, Oregon

State	Well	No.	4/2W-22E(1)
Count	y		Marion
-Appli	cation	No.	GR-488

Well Log

wner: Geo. & Mary Fick Owner's No			
Driller: R. J. Strasser	Date Drill	ed Sept. 194	8
CHARACTER OF MATERIAL		and surface)	Thickness (feet)
Soil and clay	0	14	14
Silt and sand	14	35	21
Sand with red color and water	35	66	31
Sand, darker with silt and water	66	129	63
Sand and clay	129	155	26
Blue clay	155	201	46
Dark sand with water	201	212	11
Blue shale	212	214	2
, ·			
			_
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	JL	N 0 6 2011	
ALL	WATER F	ESOURCES DEPT	

State Well No. 4/2w-21 H (1)

RECEIVER	LL REPORT
First Copy with the	OREGON C
(1) OWNER: STATE ENGINEED	(11) WELL
Name George S. Fish Mac Company ick	Was a pump test
Address 2597 M. E. 63rd Ave.	Yield: LOO
Pertland 13, Oregon	" 600°
(2) LOCATION OF WELL:	Bailer test
County Marien Owner's number, if any—	Artesian flow
SE 14 NE 14 Section 21 T. LS R. 2 W.M. Bearing and distance from section or subdivision corner	Temperature of
190 At Not 4 Corners.	(12) WELL
HOS IX P of 11 Carren	Depth drilled]
1375111 6 1161 11 1	Formation: Des
sec. 21.	stratum penetra
(3) TYPE OF WORK (check):	surfac
New Well 图 Deepening □ Reconditioning □ Abandon □	yellow
If abandonment, describe material and procedure in Item 11.	grey cl
**ROPOSED USE (check): (5) TYPE OF WELL:	surface
Domestic Industrial Municipal Rotary Driven	grey cl
Irrigation I Test Well Other Dug Dored	grey cl
(6) CASING INSTALLED: Threaded □ Welded 🌣	black s
	_blue_cl
	brown s
12 " Diam. from	blue cla
(7) PERFORATIONS: Perforated?x Yes No	gravel
Type of perforator used mill knife and torch	blue_c
CTTP of manhanations in her in	_black_s
torched perforations from 5 in 5 rate we shape it	_blue_cl
mil.k, perforations from 2pipe 75 ft. to 85 zig zgty	
250 perforations from 11 91 st. to 120 11 11 11 st.	
perforations from ft. to ft.	
(8) SCREENS: Well screen installed	
Manufacturer's Name	-
Slot size Set from ft. to ft.	
L	Work started 5
(9) CONSTRUCTION: 1//minus	(13) PUMP:
(7) CONSTRUCTION: 1/4minus Was well gravel packed X Yes No Size of gravel:	Manufacturer's
Gravel placed fromO ft. to126 ft.	Type:
Was a surface seal provided X Yes No To what depth? ft.	
Material used in scal—	Well Driller's ? This well v
Type of water? Depth of strata	true to the bes
Method of sealing strata off	NAME J.T.
(10) WATER LEVELS:	Address Be
Static level ft. below land surface Date Artesian pressure lbs. per square inch Date	2.
Log Accepted by:	Driller's well r
[Signed Tangs Starbate Jame 2, 1960]	[Signed]
11261 (USE ADDITIONAL SE	ESTS IF NECESSAI

E.	State Well No. 724	, .	<u> </u>
F	OREGON G State Permit No	•••••	
	(11) WELL TESTS: Drawdown is amount viowered below static le	vel .	
	Was a pump test made?	nd .T.	Miller
٠	Yield: 400 gal./min, with 25 ft. drawdow	n after	hrs.
:	600 58 1000 85		
	1000 85		
ı	Bailer test gal./min. with ft. drawdown	after_	hre.
	Artesian flow 125 g.p.m. Date		
	Temperature of water Was a chemical analysis me	de? 🗆 Y	es No
.	(12) WELL LOG: Diameter of well	l_	inches.
.	Depth drilled 126 ft. Depth of completed w	~	st.
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c		cture, and lai in each
	MATERIAL	FROM	
۱			70
1	surface	Ö	2
'	yellow sandy clay	2	8
.	grey clay	8	18
ı	surface sand, wate r	18 22	22_
ł	grey clay		40
1	sand and water	40.	46
.	grey clay	<u>46</u> 85	85
ı	black sand, water		90
	blue clay	90	95
	brown sand.water	100	100
	blue clay	100	101
١	_black_sand,water	101	105
ı	gravel water	102	110
1	blue_clay	110	105
ı	_black_sand_gravel,water	-127	125
ı	blue clay.	145	LCO_
ı			
;			
ı	RECEIVED		
ı	TLVLIVEU		
ı			
	JUN 0 6 2011		
	WATER RESOURCES DEPT		
ı	Work started 5-4 SALEM OREGON Completed 6	<u>- lst</u>	1960
	(13) PUMP:		
	Manufacturer's Name		
		E.P	
	Well Driller's Statement:		
	This well was drilled under my jurisdiction a true to the best of my knowledge and belief.	nd this	report is
	NAME J.T.Miller (Person, firm, or corporation) (T)	pe or prin	4)
	AddressBox 198, Aurora Ore.		***************************************
	Driller's well number		
	[Signed] (Well Driller)	·····	••••••••••
			/ ^

			WELL A
STATE ENGINEER / / Wal	l Record	STATE WELL NO	4/2W-22K
Salem, Oregon	T TIECOIG	COUNTY FARTLOW	
STATE ENGINEER Salem, Oregon Wel		APPLICATION OF). AR-2514
OWNER: Herb Kelso	MAILING ADDRESS:	Rt 1, Box 378	
LOGARDON ON WHAT Owned No	CITY AND	Woodburn, Oregon	
LOCATION OF WELL: Owner's No			***************************************
NW 1/4 NE 1/4 Sec. 22 T. 4 S, R. 2	W., W.M.		1
Bearing and distance from section or subdivision			
corner 1660' W & 1050' S from NE corner S	ection 22		
***************************************	****************		
11.40			1
***************************************	*************		
Altitude at well			
TYPE OF WELL: Drilled Date Constructed	1955		
Depth drilled 1451 Depth cased 1451		Section 22	
		. —	-
CASING RECORD:			
18-inch		•	
FINISH:	/ 1257		
	to 115'		
	to 145'		
AQUIFERS:			
WATER LEVEL:		•	
5 0			
Marta Stage	Throughold to Co.		- 40
PUMPING EQUIPMENT: Type Mucti-Stage Capacity 800 G.P.M.	Turbine	H	.P <u>40</u>
		w	
WELL TESTS: 60 ft. after	hours	600	G.P.M.
A *			
Drawdown85 ft. after	hours	000	G.P.M.
USE OF WATER Irrigation	Temp	°F.	
SOURCE OF INFORMATION GR-3833	_		
DRILLER or DIGGER J. T. Miller			
ADDITIONAL DATA: LogX Water Level Measurements	Chamical A	analysis Assifa-	Test
Toe Ager Deact Measurements	Onemical A	Jom	TC01

T 11261

REMARKS:

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WATER RESOURCES DEPT SALEM, OREGON

STATE ENGINEER Salem, Oregon

State Well No	4/2W-22K
County MARI	ON
ASSECTION OF THE PROPERTY OF T	GR-2514

Well Log

	(Feet below	¹and surface)	Thickne
CHARACTER OF MATERIAL	From	То	(feet)
Surface	0	3	3
Yellow Clay	3	20	17
Broken Sand and Clay	20	60	40
Blue Clay	60	63	3
Red Clay	′ 63	79	16
Blue Soft Clay	79	80	1
Red Sand and Clay	80	106	26
Blue Clay	106_	108	2
Grey Clay	108	118	10
Red Sand, Gravel	118	123	5
Green Clay	123_	124	1
Green Clay	124	129	5
Blue Clay	129_	130	1
Black Sand	130_	135	5
Grey Clay	135	139	4
Sand and Clay	139	145	6
·	RECE	VED	_
A	JUN 0	6 201 1	
	WATER RESOL	RCES DEPT	
61	SALEM, O	REGON	1

The original and first copy of this report are to be

filed with the	State Well No		
STATE ENGINEER, SALEM, OREGON FISHOTE ENGINEERS by	e or print) State Permit No		
of well completion. SALEM. OREGON	GR-2514 State Permit No		
(1) OWNER:	(11) WELL TESTS: Drawdown is amount lowered below static le	water lev	el is
Name (Shada thomas	Was a pump test made? Ares [] No If yes, by whom	nx 4c	ll-
Address At 1 Por 778 Wood herry	Yield: 18//3 gal./min. with 94 ft. drawdow	vn after	hrs.
8439 NE 10 Porte PottenD + 87220	" " "		
(2) LOCATION OF WELL:	" " " " " " " " " " " " " " " " " " "		
Me :	Bailer test gal./min. with ft. drawdo	wn after	hrs.
County Driller's well number	Artesian flow g.p.m. Date		
34 34 Section 22 T. 45 R. 2W W.M.	Temperature of water 54 Was a chemical analysis	made?	Yes No
Bearing and distance from section or subdivision corner	(12) WELL LOG: Diameter of well below ca	eing Ö)
10. 10 South Od Had All		10	<i>f</i>
Prigorally willed Age Here Relso	Depth drilled / 8 4. Depth of completed we		et.
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c	l and stru the mater	icture, and ial in each
	stratum penetrated, with at least one entry for each c	range of	formation.
The state of the s	MATERIAL	FROM	то
(3) TYPE OF WORK (check):	Mexi was 18" diamete		
N Well □ Deepening □ Reconditioning □ Abandon □	- Figure 1		
Ifndonment, describe material and procedure in Item 12.	we sun 12 hours and	Men	out
(4) PROPOSED USE (check): (5) TYPE OF WELL:	the arrest 128 to		145
Rofery C Driven C			
Domestic Municipal Coble	grove & Lond	145	148
Irrigation Test Well Other Dug Bored	$\frac{\partial}{\partial x}$		
(6) CASING INSTALLED: Threaded Welded	Clas & Sudlinea	148	181
12 " Diam. from 0 # to 18671 # Gage 250	12		
16 " Diam. from 181 10 tt. to 187-16 ft. Gage . 375	The Clay	181	184
• • •			
i			
(7) PERFORATIONS: Perforated? W Yes No			
Type of perforator used		 	
Size of perforations in. by in.		<u>i </u>	
perforations fromit. to	1 - 1/12		1
perforations from 126-10 ft. to 116-10 ft.	dicallanded they of my	inal	well
perforations from			
perforations from ft. to ft.	11111 0 0 000	ļ	
perforations from	JUN 0 6 7011	;	
(8) SCREENS: Well screen installed? ☐ Yes ☑ No	WATER RECOURSES SEED	-	
Manufacturer's Name	WATER RESOURCES DEPT	1	
Model No.	SALEM, OREGON		
Diam Slot size Set from ft. to	Work started 5-2- 687 Completed 7	7 -	- 47
Diam Slot size Set from ft. to ft.	Work started 3 2 (a) Completed Date well drilling machine moved off of well	7 - /	18 /
(9) CONSTRUCTION:		<u> </u>	19
(0) 004101400140411	(13) PUMP:		
Well seal-Material used in seal Annu	Manufacturer's Name Taynet Boule		· · · · · · · · · · · · · · · · · · ·
Depth of sealft. Was a packer used?	Type: Lustini	LP. 3	2
Diameter of well bore to bottom of seal	Water Well Contractor's Certification:		
Were any loose strata cemented off? Yes No Depth			
Was a drive shoe used? ☐ Yes ☐ No	This well was drilled under my jurisdiction	and this	report is
Was well gravel packed? Yes [] No Sizo of gravel:	true to the best of my knowledge and belief.		4
Gravel placed from ft. to ft.	NAME / Julo Schnedert	into	سروي
Did any strata contain unusable water? Yes No	Person, firm or corporation)	to print	de
Type of water? depm of strata	Address floor true 1247	130	ur U7
Method of sealing strata off	Drilling Machine Operator's License No.	12	
(10) WATER LEVELS:	m + VV in.	<i></i>	************
Static level 30' ft. Dejow land surface Date 4-/47	[Signed] (Water Well Contractor)	***************************************	
State level	(T-T)	3-17	7
Al testair process			, 19
(USE ADDITIONAL SE	LEETS OF NECESSARY) T 1 201		

John T. (Pink) Miller

DRILLING CONTRACTOR

4/26-22 Marion

Hope The Marie

Well drilled for Herb and Louise Kelso by J T Miller, Aurora, Oregon Rte 1 Box 378 Woodburn, Oregon

January 10, 1955

0- 3 Surface
3- 20 Yellow clay
20- 60 Broken sand & clay, little water
60- 63 Blue clay
63- 79 Red clay
79- 80 Soft blue clay
80-106 Red sand & soft muddy clay
106-108 Clean blue clay

- 108-118 Grey clay bottom 3 ft. very soft

118-123 Red sand some small grave! 123-124 Green clay, drove pipe to 115 and tested well

cleaned up @ 300 gpm, pulled pump and deepened 124-129 Green clay

129-130 Blue clay tough and clean

130-135 Fine black sand 135-139 Soft grey clay

7139-145 Broken sand and clay, drove 18 Inch ripe to 129 ft
Filled hole with gravel from 145 to 129 ft 6 in
Used 1½ yards of gravel. Pumped well, cleaned up 6 380 gpm
Pulled pump and perforated 18 inch pipe at 114 to 115 ft with 45 hole

Pulled pump and perforated 18 inch pipe at 114 to 115 ft with 45 holes Ran pump back in well cleaned up 6 680 gpm

Static water level 30 ft

500 gpm drawdown at 72 ft fine 600 gpm drawdown at 85 ft fine 680 gpm drawdown at 115 ft fine

Recomment setting pump at 95 ft. Be sure to install valve on discharge line at pump, hold pump down to 500 gpm at all times.

1966 well pump approx 200 gpm from 90'

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WATER RESOURCES DEPT SALEM, OREGON

T 11261



NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report WATER WELL REPORT are to be filed with the STATE OF OREGON State Well No. WATER RESOURCES DEPARTMENT. SALEM, OREGON 97319 (Please type or print) within 30 days from the gate State Permit No. . Do not write above this line) of well completion. (10) LOCATION OF WELL: (1) OWNER: Driller's well number Name & R Spada Farms County Marion 7910 7251 St. Paul Hwy NE SE 14 NE 14 Section 22 T. 45 R. 2W Address W.M. Paul Oregon 97137 Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well X Deepening [If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Rewotary Driven 🗀 ft. below land surface. Date 9-19-79 Domestic 🗶 Industrial 🗌 Municipal 🗍 Static level 45 Jetted 🗍 Cable Bored 🔲 Irrigation [] Test Well [] Other Artesian pressure lbs. per square inch. Date (5) CASING INSTALLED: Threaded [] Welded [X (12) WELL LOG: Diameter of well below casing Seediam from Sheet ft. to Attachedgage ft. Depth of completed well ft. "Diam, from ft. to _____ ft. Gage . 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 (6) PERFORATIONS: position of Static Water Level and indicate principal water-bearing strata. Perforated? TY Yes 1 No. Type of perforator used Mill MATERIAL in. by 21/2 Size of perforations 3/8 See Sheet Attached perforations from 133'1" ft. to 150'11" ft. perforations from 170'11" th to 207'5" ... perforations from (7) SCREENS: Well screen installed? Yes No Manufacturer's Name ... Diam. Slot size Set from ft. to .. ER RESOU**rces dept** ... ft. to Diam. Slot size Set from EM_OREGON Drawdown is amount water level is lowered below static level (8) WELL TESTS: Was a pump test made? K Yes □ No If yes, by whom?

WATER ESOURCES DEPT 630 33 ft. drawdown after 8 gal./min. with hrs. SALEM, OREGON 230 gal./min. with ft. drawdown after Bailer test hrs. sian flow Depth artesian flow encountered Temperature of water 8-14 Work started (9) CONSTRUCTION: Well seal-Material used 6 yds of x 5 sk readi-mix

18 in

n to bottom n

19 79 Completed 11-29 19 79 Date well drilling machine moved off of well 11-29 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. (Drilling Machine Operator) Drilling Machine Operator's License No. 1085 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 .	scunerder.	<u> </u>	t. Inc	
	(Person, firm o	r corporation)	t, Inc	nt)
Address	21881 H	MAT RAINA	St. Paul.	Or 9713
	777	(~~~ }~~~~~~~~~		

Contractor's License No. 649

Method of sealing strata off

Type of water?

Well sealed from land surface to ... Diameter of well bore to bottom of self...

Diameter of well bore below seal

special standard

Did any strata contain unusable water? Tes 🛣 No

How was cement grout placed? See attached Dept. of Water Resource letter regarding

Was a drive shoe used? N Yes Not Plus Size: location ft.

Was well gravel packed? A Yes D No Size of gravel: 3/4 minus

A & R Spada Farms	7910
 ** たっと、またいようでは、または、またいまた。 ***・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	The state of the s
(/2) Material	From To
Mon goil	· 0 · · · · · · . · 6 · · · · · · · · · · ·
Top soil Clay, brown silty	6 47 8 47 49 49
Clay, light brown sort	68 72 5
Sand, black fine-medium	
Gravel w/ clay, gray up to 3/4"	76 77 3 5 77 82 0
Clay, gray medium	76 77 82 89 92 89 92 95
Clay, dark gray, fine sandy Sand, fine black	89 92 6 6
Sand, medium-coarse black	92 95 98
Clay, hard gray Gravel up to 3/4 w/ clay, green	98 99
Clay, gray	99 103
Clay, gray Clay, brownish green dry	103 107 111 111 111 111 111 111 111 111 111
Clay green the samy	111 114
Clay, gray fine sandy	114 118
Sand. I ine-medium, piack	118 - 119 - 119 - 121 -
Sand, cemented fine-medium w/ wood	121 123
Clay, green, medium hard	123 127 127 132
Clay, green, fine sandy w/ wood	132 133
Gravel pea size to 3/4"	133 139
Gravel pea size up to 1" w/ wood	139~ 141 147
Clay, greenish gray	2147 154
Clay blue gray fine sandy	154 162-
Clay, dark gray, medium sandy w/ wood Clay, dark greenish gray, hard fine sandy dry	162 164 164 171
Gravel w/ some clay	171 174
Sand. black medium-coarse w/ some gravel	174 182 182 = 189
Clay, green medium hard Clay, green medium sandy	189 - 193
Sand, black fine-medium	193 197
Gravel, pea up to 1	198 202
Clay, green medium hard Clay, green medium sandy Sand, black fine-medium Gravel, pea up to 1" Clay, green medium sandy Clay, gray fine sandy w/ some wood Sand, black fine Clay, green & gray, hard Clay, green hard Clay, green hard Clay, blue gray w/ wood Clay, blue green, sandy Clay, gray, sandy (5) Casing Installed 8" diam. from +2'8" to 133'1" Gage.250	202 207
Sand, black fine	207 211
Clay, green & gray, hard	214 218
Clay, blue gray w/ wood	218 223
Clay, blue green, sandy	223 232 232 235
(5) Coning Installed	
8" diam. from +2'8" to 133'1" Gage.250	The second of th
8" diam, from 133'1" to 150'11" Gage.330	e man er
(5) Casing Installed 8" diam. from +2'8" to 133'1" Gage.250 8" diam. from 133'1" to 150'11" Gage.330 8" diam from 150'11" to 170'11" Gage.250 8" diam from 170'11" to 207'5" Gage.330 8" diam from 207'5" to 232'5" Gage.250 4" diam from +1' to 26'6" Gage.237	
8" diam from 207'5" to 232'5" Gage.250	RECEIVED
4" diam from +1' to 26'6" Gage 237	
	HIN O G POH
	WATER RESOURCES DEPT SALEM OREGON



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

Control of the contro

PHONE 378-8455

inna 4 1980

WATER RESOURCES DEPT SALEM, OREGON

Milo Schneider Schneider Equipment, Inc. 21881 River Road N.E. St. Paul, Oregon 97137

Dear Mr. Schneider:

Please accept my apologies for the delay in responding to your recent letter requesting special standards for the use of concrete instead of cement grout as a sealing material in large diameter wells that provide excessive space between the drill hole wall and the outside casing of the well. You are hereby granted special permission to use concrete instead of neat cement with the following provisions and conditions:

- Concrete shall consist of clean, hard, endurable aggregate, and not less than five sacks of Portland cement per cubic yard of concrete. Maximum diameter of the aggregate shall not exceed 3/4 of an inch in diameter.
- If the well bore hole to be sealed is not dry, concrete shall be pumped from the bottom of the seal zone upward in one continuous operation to land surface.
- In the event that the well bore annular space to be sealed is dry, concrete shall be placed through a tremie pipe to prevent segregation of the aggregate and cement mixture and to prevent bridging.
- The space between the sealing surfaces of all casings and between all casings and the bore hole shall exceed 3-inches or more.

Special standards to construct a well as described above shall be considered to apply to all wells constructed in such a manner. Please refer to these special standards on the well reports of all well constructed in this manner.

T 11261

Sincerely,

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- JUN 0 6 2011 -

WILLIAM B. MCCALL Hydrogeologist WATER RESOURCES DEPT SALEM, OREGON

cc: Clifton R. King, Watermaster, District #16

WELL	
DRUYERAL	
xyayanuc	_

the state of the s	z = "\			—		
(5) 1258	3) REC	EIVED	Mo	WELL		
STATE OF OREGON ARILL REPORT			4)50	4666		
(as required by ORS 587.765)	MAR	231989 (START	CARD) # 7001			
(1) OWNER: Well Nursery	water file	(9)-LOCATION OF V	VELL by legal de	scription:		
Address 7251 St.Paul Hwy NE	SALE	1, Officer Marion Late Township 4S No	itude	Longitude E or W,		
City St. Paul State OR	Zip 97137	Section 22	SE 1/4 NE	K or W,	WM.	
(2) TYPE OF WORK:				— × — Subdivision—		
New Well Deepen Recondition	Abandon	Tax Lot Lot Street Address of Well (or ne		St.Paul	Hwy	
(3) DRILL METHOD		St.Paul, OR				
☐ Rotary Air ☐ Rotary Mud		(10) STATIC WATE	R LEVEL:			
Other		ft. below lan	d surface.	Date _3/4	/89	
(4) PROPOSED USE:		Artesian pressure	lb. per square inch.	Date		
☐ Domestic ☐ Community ☐ Industrial ☑ Irrig ☐ Thermal ☐ Injection ☐ Other	ation	(11) WATER BEARI	NG ZONES:			
(5) BORE HOLE CONSTRUCTION:		Depth at which water was first fou	md91'			
Special Construction approval Yes No Depth of Comple	eted Well 305 ft.	From	To Estim	ated Flow Rate	SWL	
Yes No L		270 30	0 12	00	24'	
Explosives used						
HOLE SEAL Diameter From To Material From To	Amount sacks or pounds					
20" 0 20 Bentonite 0 20	116 sacks	(10) 1777 1 100				
16" 20 305		(12) WELL LOG:	Ground elevation		-	
		Materia		From To	SWL	
How was seal placed: Method A B C D		Clay gray		1 55		
Other Granular bentonite OAR 6		Clay grey - Sand, silt, clay		55 70 70 82		
Backfill placed fromft. toft. Material		Clay grey		82 91		
Gravel placed from 237 ft. to 305 ft. Size of gravel	- 3/8	Sand, silt blac	k	91 98		
(6) CASING/LINER:		Clay grey		98 104		
Diameter From To Gauge Steel Plastic		Clay sandy bro		104 120		
Casing: 16" +2 268'8"		Clay green sti		120 134		
		Sand, silt blac	<u>K</u>	134 138 138 158		
		Clay grey		158 175		
Liner:		Clay green sti	ckv	175 194		
26919"		Clay sandy	•	194 205		
Final location of shoe(s) 268 '8"		Clay blue		205 226		
(7) PERFORATIONS/SCREENS:		Clay sandy	226 254			
Perforations Method	Clay grey Sand,silt		254 270 270 278			
Slot Tele/pipe	Bearniegs	Sand		278 300		
From To size Number Diameter size	Casing Liner	Gravel, clay		300 304		
235 272 pipe 10"x 250 272 300 140 10"		Clay.sticky gr	ey	304 306		
300 305 pipe 10"x 250						
305 Bottom plate & bail		Date started 1/6/89	Completed 3	/5/89		
		(unbonded) Water Well Co				
(8) WELL TESTS: Minimum testing time is	1 hour Flowing	i certify that the work .	l performed on the cor	astruction, altera	tion, or	
K Pump 🗆 Bailer 🗀 Air	Artesian	abandonment of this well is standards. Materials used and	in compliance with U	regon well cons	truction my best	
Yield gal/min Drawdown Drill stem at	Time	knowledge and belief.	0011		-	
630 12'	1 hr.	Signed	NATER RESOURCES	DEPT —		
1025 36'	8hrs	SALEM, OREGON				
Temperature of water Depth Artesian Flow	10hrs	(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment				
Temperature of water Depth Artesian Flow Was a water analysis done? Yes By whom		work performed on this well during the construction dates reported above, all				
Did any strata contain water not suitable for intended use?		work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and				
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other		belief. WWC Number 783				
Depth of strata:	· - •	Signe (Wan 1)	oslen De	$_{\text{ate}} = \frac{3/15/8}{2}$	9	
ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTM	ENT SECON	D COPY - CONSTRUCTOR	THIRD COPY - CUST	FOMER 6	809C 3/88	

Date 6/8/99

THIRD COPY-CUSTOMER

	OT A	TP OF	ODEC	MON		UN 17	1999	٠.	21 WLLL 1.01.	- 100001			
	TTIAME		FOREG	*****				WY,	1046		301534		
	(86 70	quired by	ORS 537	7.765)	WATER	RESOU	RCES DEI REGON	PT. 5	4046	(START CARD)	101334		
	Instruc	tions fo	r comple	ting this r	sport are ob	Mary Mary	ege or this	form.					· · · · · · · · · · · · · · · · · · ·
	(1) OWN					Well Numb	er		(9) LOCATION OF V		-		
				Farms .					County Marion			gitude	
				aul HW					Township 4S				W. WM.
	City St				State ()	R	Zip 9	7137	Section 22 Tax Lot 00100 L	SE 1/4			
	(2) TYPI			- C 43	, i (i		-> C Ab		Street Address of Well			bdivision	
	(3) DRII				ation (repair/	recondition	n) [] ADan	comment	St. Paul OR		1251 SC.	rau1	MI N
				y Mud	T)Cable	Auger			(10) STATIC WATER				
	Other	ALI I		y Midd	M CHOR				37 ft. balo		,	Date 4/2	28/99
	(4) PRO	POSE	D USE:						Artesian pressure			Date	
	Domes		Comm	nunity [Industrial	Mini	igation		(11) WATER BEARI				
	☐ Thenna		☐ Inject		Livestock	i o₁	-						
	(5) BOR			NSTRUC					Depth at which water was	first found 94:			
-	Special Co	onstructi	ion appro	wal 🗌 Yes	No Dep	th of Comp	oleted Well	324 ft.					
	Explosive	s used	☐ Yes	No Ty	×	Am	ount		From	<u>To</u>		IN EE	sw
	H	IOLE			ŞEAL				94	98	NLO		18
	Diameter	From	To	Materi		To	Sacks or po		98	104	11.00	6 201	L 18
	20"	0	150		8 0	150	118 sa	cks	113	124			
				5%Ben	tonite_				168	183	NATER RES	HIRCES	DEDB
	16"	150	324			+			186	189	WAIEN NEO	OREGO	N 3
	11			14-1-1		<u> </u>	<u> </u>		(12) WELL LOG:		2Vrew.	O(1)	
	How was	•	æa:	Method	A]B 😿	с 🗆 р	E	Ground	Elevation			
	☐ Othe Backfill pl			ft. to	ft.	Material			Material		From	To	SWL
	Gravel pla			ft. to		Size of s			Topsoil		0	1	J.V.2
	(6) CAS					0.02			Clay brown		1	18	
		iameter		To (Gauge Steel	Plastic	Welded	Threaded	Clav brown si	ltv	18	55	
	Casing:	16"	+2	1 1	375€		X		Clay brown sa		55	58	
									Sand & clay b		58	87	
									Clay brown sa	ndy	87	89	
			-		_				Clay gray.sil		89	94	ļ
	Liner:		1	_					Sand & clay g	•	94	98	18
					[Silty sand.gr		98	104	18
_	Final locat								Clay green st	-	104	113	10
.`	(7) PERI				5 :				Sand brown gr		113	118	18
	∐ Pen ⊠ Scre	orations	_	lethod		Mara	rial stai	<u> </u>	Sand & clay g		118	124 136	
			Slot	уре		Tele/pipe			Clay green sa	-	136	140	
	From	т _о .66	size	Number	Diameter 12"	pipe	Casing XX	Liner	Sand & gravel	41/47	140	141	
_			". 080		12"	p.s.			Clay gray/blu	e sticky	141	156	
	180 4"				12"	pipe	Z		Clay blue/gra		156	168	
1	91 '10"			0	12"	p.s.			Sand black		168	183	37
2	כדיד חוי	3516	12		12"	pipe	_ □xx		Clay green st	icky	183	186	
	CON	TINU	ED						Sand black &		186	189	37
	(8) WEL	L TES	TS: M	inimum te	esting time	is 1 hour	•		Date started _2/12/99		pleted $5/14$	/99	
							Flow		(unbonded) Water Well C				
	X l'um	-	□В		Air		∐ Ane		I certify that the work 1 of this well is in compliance				
	Yield g			wdown	Drili ste	m at		îme	Materials used and informs				
	112			<u>10`5"</u> 13`				1 hr	and belief.	<i>a</i> .	WWC Num	has / 7	ไกน
		IU I	1	1.3			1 41)CS	Signed Signed	(Am		ate [/	1/49
	Temperatu	re of w	ster 53		Depth Artesi	an Flow Fo	nund		(bonded) Water VOI Con	structor Certification			(11
	Was a water				ics By whom				I accept responsibility f			ido nme nt v	vork
		,		-	le for intende		Too li	ııle	performed on this well dur	ing the construction di	ates reported ab	ove. All w	onk
	•				Colored [L		performed during this time construction standards. Th				
	Depth of s		٠ -	J						01	WWC Num		-

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

Depth of strata:

7	.01161	1 1000	a\ WELL		į,.			
STATE OF OREGON WATER SUPPLY WELL RE (as required by ORS 537.765) Instructions for completing this req	JUN PORTWATER RES SALEM Port are on the last pa	1 7 1999 NOURCES DEPT. A	SHOULD THE	(START CARD) #	101534			
(1) OWNER: Name A&R Spada Farms		f	(9) LOCATION OF WELL by legal description:					
	CountyLatitudeLongitude TownshipN or S Range E or W. WM.							
Address							W. WML	
City	State	Zip	Section	1/4_		1/4		
(2) TYPE OF WORK	•			.at Block	Su	bdivision_		
New Well ☐ Deepening ☐ Alternate (3) DRILL METHOD:	tion (repair/recondition) Abandonment	7251 St.Pau	l (or nearest address) I Hwy NE St.P.	aul, OR	97137		
Rotary Air Rotary Mud	Cable Auger		(10) STATIC WATER LEVEL:					
Other			ft. bel	ow land surface.	I)ale		
(4) PROPOSED USE:			Artesian pressure	lb. per squar	re inch. I	Date		
	Industrial Imig		(11) WATER BEAR	NG ZONES:				
(5) BORE HOLE CONSTRUCT	TION:		Depth at which water was	first found		<u> </u>		
Special Construction approval Yes							T 222	
Explosives used Yes No Type		unt	From	То	Estimated	Flow Rate	SWL	
HOLE	SEAL							
Diameter From To Material	From To	Sacks or pounds						
<u> </u>								
<i></i>								
	L		(12) WELL LOG:					
How was seal placed: Method		: □D □B	, ,	Blevation				
Other								
Backfill placed from ft. to	ft. Material		Materi	ıl	From	То	SWL	
Gravel placed from ft. to	ft. Size of g	ravel	Clay gray sa	ndy	189	193		
(6) CASING/LINER:			Silty sand,c		193	207	37 :	
• •	auge Steel Plastic	Welded Threaded	Sand black		207	213	37:	
			Clay green s	ticky	213	238	<u> </u>	
Casing:			Sand green		238	243	37	
			Clay green		243	252	3/	
		H H	Sand clay		252	254		
Liner:		5 5	Clay gray		254	266		
			Sand, silt.cl		266	278		
Final location of shoe(s)			Sand	· V	278		271	
(7) PERFORATIONS/SCREENS	<u> </u>		Gravel, silty			300_	37	
<i>_</i>).		Gravel	Sano	300	305_		
Perforations Method				! a1	305	306		
Storeens Type	Tele/pipe	ial stainless	Clay gray st	LCKY	306	324		
From CONTINUED Number	Diameter size	Casing Liner			RECEI	VED	ļ	
235 6"240 9".080	12" p.s.	- 📙 📮	<u> </u>		HEARI	YEU		
233 9 240 9 .080	12" p.s. 12" pipe	. 💂 🛛			-	0044		
285 91306 080			<u> </u>		-JUN 0	2011	_	
306 324		. 💂 🛛					FOT	
300 324	12" pipe				61111	RCES D	EPI	
/m IIIII I Engels 141 i			1 2 2 2 4		SALEM. C	REGON	<u></u>	
(8) WELLTESTS: Minimum te	sting time is I hour		Date started 2/12/9			4/99		
5 -	-	Flowing	(unbonded) Water Well					
Pump Bailer	∏Air	Artesian	of this well is in complian	I performed on the consi				
Yield gal/min Drawdown	Drill stem at	Time	Materials used and inform	nation reported above an	true to the b	est of my k	nowledge	
		1 hr.	and belief.			. 17	~ (/	
			a	11-	WWC Nun		2/22	
		<u> </u>	Signed VOA	1		Date 6/	7/77	
· · · · · · · · · · · · · · · · · · ·	Depth Artesian Flow Fo	und	(bonded) Water Well Co					
,	By whom		I accept responsibility	for the construction, altering the construction de	eration, or aba	ndonment	work ork	
Did any strata contain water not suitable	e for intended use?	Too little	performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well					
	_		Laurent and and and	construction standards. This report is true to the best of my knowledge and belief.				
Salty Muddy Odor C	Colored Other _		construction standards. T	his report is true to the b			_	
Salty Muddy Odor C Depth of strata:	Colored Other		construction standards. T	his report is true to the t		wledge and nber <u>78</u> Date 6/	3	