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JUN 7 1960

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

STATE ENGINEER SALEM, OREGON

WATER WELL REPORT STATE OF OREGON

1761

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

State Permit No.

(1) OWNER: Name George S. Fick Address 2507 N. E. 63rd Ave. Portland 13, Oregon

(2) LOCATION OF WELL: County Marion Owner's number, if any-- SE 1/4 NE 1/4 Section 21 T. 48 R. 2 W.M. Bearing and distance from section or subdivision corner 189 ft N of H corner 195 ft E of H corner 195 ft SEE 21

(3) TYPE OF WORK (check): New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ] If abandonment, describe material and procedure in Item 11.

PROPOSED USE (check): Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [X] Test Well [ ] Other [ ] (5) TYPE OF WELL: Rotary [ ] Cable [X] Dug [ ] Driven [ ] Jetted [ ] Bored [ ]

(6) CASING INSTALLED: Threaded [ ] Welded [X] 20" Diam. from 0 ft. to 21 ft. Cemented 16" Diam. from 0 ft. to 90 ft. Gage 12" Diam. from 0 ft. to 126 ft. Gage

(7) PERFORATIONS: Perforated? [X] Yes [ ] No Type of perforator used mill knife and torch SIZE of perforations in. by in. torched perforations from 6 in. 5 above shoe ft. mil, k, perforations from 2 pipe 75 ft to 85 sig. 250 perforations from 91 ft to 120 ft

(8) SCREENS: Well screen installed [ ] Yes [ ] No Manufacturer's Name Type Slot size Set from ft. to ft.

(9) CONSTRUCTION: Was well gravel packed [X] Yes [ ] No Size of gravel: 1/4 minus Gravel placed from 0 ft. to 126 ft. Was a surface seal provided [X] Yes [ ] No To what depth? ft. Material used in seal-- cement Did any strata contain unusable water? [ ] Yes [ ] No Type of water? Depth of strata Method of sealing strata off

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

Log Accepted by: [Signature] Date June 2, 1960

(11) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [X] Yes [ ] No If yes, by whom J. T. Miller Yield: 400 gal./min. with 25 ft. drawdown after hrs. 600 " 58 " " 1000 " 85 " " Bailer test gal./min. with ft. drawdown after hrs. Artesian flow 125 g.p.m. Date Temperature of water Was a chemical analysis made? [ ] Yes [ ] No

(12) WELL LOG: Diameter of well 12 inches Depth drilled 126 ft. Depth of completed well 126 ft. Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
surface	0	2
yellow sandy clay	2	8
grey clay	8	18
surface sand, water	18	22
grey clay	22	40
sand and water	40	46
grey clay	46	85
black sand, water	85	90
blue clay	90	95
brown sand, water	95	100
blue clay	100	101
black sand, water	101	105
gravel, water	105	116
blue clay	116	117
black sand gravel, water	117	125
blue clay.	125	126

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WATER RESOURCES DEPT SALEM, OREGON

Work started 5-4 1960. Completed 6-1st 1960

(13) PUMP: Manufacturer's Name Type: H.P.

Well Driller's Statement: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME J. T. Miller (Person, firm, or corporation) (Type or print) Address Box 198, Aurora Ore. Driller's well number [Signature] J. T. Miller (Well Driller) License No. 7 Date 6-1st 1960

STATE ENGINEER  
Salem, Oregon

1261  
MARI...

# Well Record

WELL A  
STATE WELL NO. 4/2W-22K  
COUNTY MARION  
APPLICATION NO. GR-2514

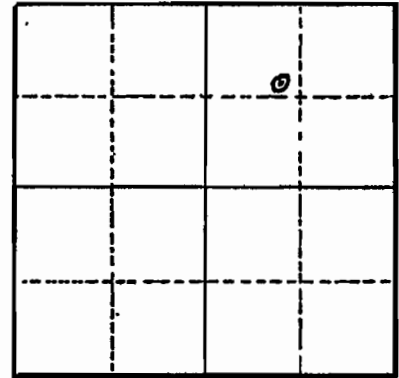
OWNER: Herb Kelse

MAILING ADDRESS: Rt 1, Box 378

LOCATION OF WELL: Owner's No.

CITY AND STATE: Woodburn, Oregon

NW ¼ NE ¼ Sec. 22 T. 4 S., R. 2 W., W.M.



Bearing and distance from section or subdivision corner 1660' W & 1050' S from NE corner Section 22

Altitude at well

TYPE OF WELL: Drilled Date Constructed 1955

Depth drilled 145' Depth cased 145'

Section 22

### CASING RECORD:

18-inch

### FINISH:

45 holes perforated 114' to 115' 125'  
Gravel Pack 129½' to 145'

### AQUIFERS:

### WATER LEVEL:

30'

PUMPING EQUIPMENT: Type Multi-Stage Turbine H.P. 40  
Capacity 800 G.P.M.

### WELL TESTS:

Drawdown 60 ft. after hours 600 G.P.M.  
Drawdown 85 ft. after hours 680 G.P.M.

USE OF WATER Irrigation Temp. °F. 19

SOURCE OF INFORMATION GR-3833

DRILLER or DIGGER J. T. Miller

### ADDITIONAL DATA:

Log  Water Level Measurements  Chemical Analysis  Aquifer Test

### REMARKS:

T 11262

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SALEM, OREGON



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WELL A

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JUL 20 1967 WATER WELL REPORT

State Well No. 4/2w-22 K  
State Permit No.

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

STATE ENGINEER (please type or print)  
SALEM, OREGON GR-2514

(1) OWNER:

Name A. D. Spada Farms  
Address Box 378 Woodburn  
8439 NE Columbia Portland Ore 97220

(2) LOCATION OF WELL:

County Marion Driller's well number  
1/4 Section 22 T. 4S R. 2W W.M.  
Bearing and distance from section or subdivision corner

Originally drilled for Herb Kelsa

(3) TYPE OF WORK (check):

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

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) TYPE OF WELL:

Rotary  Driven   
Cable  Jetted   
Dug  Bored

(6) CASING INSTALLED:

Threaded  Welded   
12" Diam. from 0 ft. to 186'-11" ft. Gage 250  
10" Diam. from 186'-10" ft. to 187'-10" ft. Gage 375

(7) PERFORATIONS:

Perforated?  Yes  No  
Type of perforator used  
Size of perforations in. by in.  
720 perforations from 186'-10" ft. to 186'-10" ft.  
720 perforations from 186'-10" ft. to 186'-10" ft.

(8) SCREENS:

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

(9) CONSTRUCTION:

Well seal—Material used in seal none  
Depth of seal ft. Was a packer used?  
Diameter of well bore to bottom of seal in.  
Were any loose strata cemented off?  Yes  No Depth  
Was a drive shoe used?  Yes  No  
Was well gravel packed?  Yes  No Size of gravel: 28-34  
Gravel placed from ft. to ft.  
Did any strata contain unusable water?  Yes  No  
Type of water? depth of strata  
Method of sealing strata off

(10) WATER LEVELS:

Static level 30' ft. below land surface Date 4-1-67  
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom Differ  
Yield: 1810 gal./min. with 94 ft. drawdown after 8 hrs.  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m. Date  
Temperature of water 54 Was a chemical analysis made?  Yes  No

(12) WELL LOG:

Diameter of well below casing 0  
Depth drilled 186 ft. Depth of completed well 186 ft.  
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Well case 18" diameter		
top ten 12" drills and blow-out		145'
the gravel 128 to		145'
gravel & sand	145'	148'
Clay & sand layers	148'	181'
Blue Clay	181'	186'

See attached copy of original well

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WATER RESOURCES DEPT  
SALEM, OREGON

Work started 5-2-67 Completed 7-3-67  
Date well drilling machine moved off of well 7-3-67 19

(13) PUMP:

Manufacturer's Name Faynot Bowler  
Type: Justin H.P. 50

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 Milt Schneider Equip Co  
(Person, firm or corporation) (Type or print)  
Address Box 97 Woodburn Ore

Drilling Machine Operator's License No. 212

[Signed] Milt Schneider  
(Water Well Contractor)

Contractor's License No. 387 Date 7-3-67 19

262

# John T. (Pink) Miller

DRILLING CONTRACTOR

4/26-22K  
Marion

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 gravel
  - 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
  - 139-145 Broken sand and clay, drove 18 inch pipe to 129 ft Filled hole with gravel from 145 to 129 ft 6 in Used 1 1/2 yards of gravel. Pumped well, cleaned up @ 380 gpm
- Pulled pump and perforated 18 inch pipe at 114 to 115 ft with 45 holes  
Ran pump back in well cleaned up @ 680 gpm  
Static water level 30 ft  
500 gpm drawdown at 72 ft  
600 gpm drawdown at 85 ft  
680 gpm drawdown at 115 ft  
Recommend setting pump at 95 ft. Be sure to install valve on discharge line at pump, hold pump down to 500 gpm at all times.

FOR  
JUL 20 1955  
TELE  
EM.

1966 well pump approx 200 gpm from 90'

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WATER RESOURCES DEPT  
SALEM, OREGON

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

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

MARI...  
125%

# WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

WELL B

State Well No. 452w-22ad

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

### (1) OWNER:

Name A & R Spada Farms  
Address 7251 St. Paul Hwy NE  
St. Paul, Oregon 97137

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

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

### (3) TYPE OF WELL:

Rotary  Cable  Drilled  Jetted  Bored

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

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) CASING INSTALLED:

Threaded  Welded   
See Diam. from Sheet ft. to Attached Gage  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage

### (6) PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used Mill cut  
Size of perforations 3/8 in. by 2 1/2 in.  
272 perforations from 133' 1" ft. to 150' 11" ft.  
552 perforations from 170' 11" ft. to 207' 5" ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

### (7) SCREENS:

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

### (8) WELL TESTS:

Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom? SEI  
" 630 gal./min. with 33 ft. drawdown after 8 hrs.  
" 355 " " 13 " " 8 1/2 "  
" 230 " " 6 " " 9 "  
Ballor test gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water \_\_\_\_\_ Depth artesian flow encountered \_\_\_\_\_ ft.

### (9) CONSTRUCTION:

Well seal—Material used 6 yds of 5 sk readi-mix  
Well sealed from land surface to 25 ft.  
Diameter of well bore to bottom of seal 24 in.  
Diameter of well bore below seal 18 in.  
Number of sacks of cement used in well seal 30 sacks  
How was cement grout placed? See attached Dept. of Water Resources letter regarding special standard  
Was a drive shoe used?  Yes  No Plug \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_  
Was well gravel packed?  Yes  No Size of gravel: 3/4 minus  
Gravel placed from 25 ft. to bottom ft.

### (10) LOCATION OF WELL:

County Marion Driller's well number 7910  
SE 1/4 NE 1/4 Section 22 T. 4S R. 2W W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

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

Depth at which water was first found 60 ft.  
Static level 45 ft. below land surface. Date 9-19-79  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

### (12) WELL LOG:

Diameter of well below casing \_\_\_\_\_  
Depth drilled 235 ft. Depth of completed well 212 ft.  
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
See Sheet Attached			
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JUN 11 1980			
WATER RESOURCES DEPT SALEM, OREGON			

Work started 8-14 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.  
[Signed] Donald G. Davis Date 12-18, 1979  
(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 Schneider Equipment, Inc.  
(Person, firm or corporation) (Type or print)  
Address 21881 NW 1st Rd NE St. Paul, Or 9713  
[Signed] Stephen J. Schneider  
(Water Well Contractor)  
Contractor's License No. 649 Date 12-18 19 79

11262

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-45658-110

(12)

Material	From	To
Top soil	0	6
Clay, brown silty	6	47
Clay, light brown soft	47	68
Sand, black fine	68	72
Sand, black fine-medium	72	76
Gravel w/ clay, gray up to 3/4"	76	77
Clay, gray medium	77	82
Clay, dark gray, fine sandy	82	89
Sand, fine black	89	92
Sand, medium-coarse black	92	95
Clay, hard gray	95	98
Gravel up to 3/4 w/ clay, green	98	99
Clay, gray	99	103
Clay, brownish green dry	103	107
Clay, green fine sandy	107	111
Clay, greenish-gray	111	114
Clay, gray fine sandy	114	118
Sand, fine-medium, black	118	119
Sand, cemented fine-medium w/ wood	119	121
Clay, gray	121	123
Clay, green, medium hard	123	127
Clay, green, fine sandy w/ wood	127	132
Pea gravel w/ some clay	132	133
Gravel pea size to 3/4"	133	139
Gravel pea size up to 1" w/ wood	139	141
Clay, greenish gray	141	147
Clay, blue gray	147	154
Clay, blue gray fine sandy	154	162
Clay, dark gray, medium sandy w/ wood	162	164
Clay, dark greenish gray, hard fine sandy dry	164	171
Gravel w/ some clay	171	174
Sand, black medium-coarse w/ some gravel	174	182
Clay, green medium hard	182	189
Clay, green medium sandy	189	193
Sand, black fine-medium	193	197
Gravel, pea up to 1"	197	198
Clay, green medium sandy	198	202
Clay, gray fine sandy w/ some wood	202	207
Sand, black fine	207	211
Clay, green & gray, hard	211	214
Clay, green hard	214	218
Clay, blue gray w/ wood	218	223
Clay, blue green, sandy	223	232
Clay, gray, sandy	232	235

(5) Casing Installed

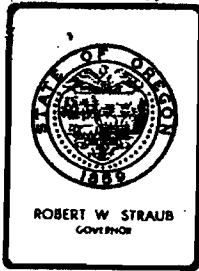
8" diam. from +2'8" to 133'1"	Gage. 250
8" diam. from 133'1" to 150'11"	Gage. 330
8" diam from 150'11" to 170'11"	Gage. 250
8" diam from 170'11" to 207'5"	Gage. 330
8" diam from 207'5" to 232'5"	Gage. 250
4" diam from +1' to 26'6"	Gage. 237

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SALEM, OREGON

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WATER RESOURCES DEPT  
SALEM, OREGON





*Water Resources Department*

MILL CREEK OFFICE PARK

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

PHONE 378-8455

May 24, 1978

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JUN 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:

- 1) Concrete shall consist of clean, hard, durable 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.
- 2) 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.
- 3) 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.
- 4) 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.

Sincerely,

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JUN 06 2011

WILLIAM B. MCCALL  
Hydrogeologist

WATER RESOURCES DEPT  
SALEM, OREGON

WBM:clh

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

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STATE OF OREGON  
**WATER WELL REPORT**  
 (as required by ORS 587.765)

MARI 1258

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WELL C  
 4/24/22 ad

MAR 23 1989

(START CARD) # 7001

(1) OWNER:  
 Name A & R Spada Nursery Well Number: WATER RESOURCES DEPT SALEM  
 Address 7251 St. Paul Hwy NE  
 City St. Paul State OR Zip 97137

(2) TYPE OF WORK:  
 New Well  Deepen  Recondition  Abandon

(3) DRILL METHOD  
 Rotary Air  Rotary Mud  Cable  
 Other

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

(5) BORE HOLE CONSTRUCTION:  
 Special Construction approval Yes No  Depth of Completed Well 305 ft.  
 Yes No    
 Explosives used   Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Amount	
Diameter	To	Material	From	To	sacks or pounds
20"	0	Bentonite	0	20	116 sacks
16"	20			305	

How was seal placed: Method  A  B  C  D  E  
 Other Granular bentonite OAR 690-210-340  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from 237 ft. to 305 ft. Size of gravel 3/8

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16"	+2	268'	8"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 268' 8"

(7) PERFORATIONS/SCREENS:  
 Perforations Method \_\_\_\_\_  
 Screens Type 10 3/4od Material stainless

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
235	272		pipe	10"x	250	<input type="checkbox"/>	<input type="checkbox"/>
272	300	140		10"		<input type="checkbox"/>	<input type="checkbox"/>
300	305		pipe	10"x	250	<input type="checkbox"/>	<input type="checkbox"/>
305	Bottom		plate & bail			<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Baller  Air  Flowing Artesian  

Yield gal/min	Drawdown	Drill stem at	Time
630	12'		1 hr.
1025	36'		8 hrs
1200	45'		10 hrs

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:  
 Township 4S N or S, Range 2W E or W, WM.  
 Section 22 SE 1/4 NE 1/4  
 Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) 7251 St. Paul Hwy  
St. Paul, OR

(10) STATIC WATER LEVEL:  
24 ft. below land surface. Date 3/4/89  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found 91'

From	To	Estimated Flow Rate	SWL
270	300	1200	24'

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

Material	From	To	SWL
Clay brown	1	55	
Clay grey	55	70	
Sand, silt, clay	70	82	
Clay grey	82	91	
Sand, silt black	91	98	
Clay grey	98	104	
Clay sandy brown	104	120	
Clay green sticky	120	134	
Sand, silt black	134	138	
Clay grey	138	158	
Clay sandy	158	175	
Clay green sticky	175	194	
Clay sandy	194	205	
Clay blue	205	226	
Clay sandy	226	254	
Clay grey	254	270	
Sand, silt	270	278	
Sand	278	300	
Gravel, clay	300	304	
Clay, sticky grey	304	306	

Date started 1/6/89 Completed 3/5/89

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.  
 WWC Number \_\_\_\_\_  
 Signed \_\_\_\_\_ Date \_\_\_\_\_

(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 well construction standards. This report is true to the best of my knowledge and belief.  
 WWC Number 783  
 Signed Ivan Gassen Date 3/15/89

JUN 17 1999

MARI WELL I.D.# 54046

E30601

101534

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765) WATER RESOURCES DEPT. SALEM, OREGON

(START CARD) # 101534

(1) OWNER: Well Number Name A&R Spada Farms Address 7251 St. Paul HWY NE City St. Paul State OR Zip 97137

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

(3) DRILL METHOD: [ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger [ ] Other

(4) PROPOSED USE: [ ] Domestic [ ] Community [ ] Industrial [X] Irrigation [ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [X] No Depth of Completed Well 324 ft. Explosives used [ ] Yes [X] No Type Amount

Table with columns: HOLE, SEAL, Diameter, From, To, Material, Sacks or pounds. Row 1: 20", 0, 150, cement & 5 Bentonite, 0, 150, 118 sacks. Row 2: 16", 150, 324

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 16", +2, 166, .375, [X] [ ] [X] [ ] Liner: [ ] [ ] [ ] [ ]

Final location of shoe(s) 166

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: +3, 166, 4", .080, 12", pipe, [X] [ ] Row 2: 166, 180, 4", .080, 12", p.s., [ ] [ ] Row 3: 180, 191, 10", 12", pipe, [X] [ ] Row 4: 191, 210, 10", .080, 12", p.s., [ ] [ ] Row 5: 210, 235, 6", 12", pipe, [X] [ ]

CONTINUED

(8) WELL TESTS: Minimum testing time is 1 hour. Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Row 1: 1125, 110.5", 1 hr. Row 2: 1100, 113, 4hrs

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 4S N or S Range 2W E or W. WM. Section 22 SE 1/4 NE 1/4 Tax Lot 00100 Lot Block Subdivision Street Address of Well (or nearest address) 7251 St. Paul HWY NE St. Paul, OR 97137

(10) STATIC WATER LEVEL: 37 ft. below land surface. Date 4/28/99 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 94, 98, 18. Row 2: 98, 104, 18. Row 3: 113, 124, 18. Row 4: 168, 183, 37. Row 5: 186, 189, 37. Includes 'RECEIVED JUN 06 2011' stamp.

(12) WELL LOG: Ground Elevation SALEM, OREGON

Table with columns: Material, From, To, SWL. Rows include: Topsoil (0-1), Clay brown (1-18), Clay brown silty (18-55), Clay brown sandy (55-58), Sand & clay brown (58-87), Clay brown, sandy (87-89), Clay gray, silty (89-94), Sand & clay gray (94-98), Silty sand, gravel (98-104), Clay green sticky (104-113), Sand brown, gravel (113-118), Sand & clay gray (118-124), Clay green sticky (124-136), Clay green sandy (136-140), Sand & gravel (140-141), Clay gray/blue sticky (141-156), Clay blue/gray silty (156-168), Sand black (168-183), Clay green sticky (183-186), Sand black & clay-Con t (186-189)

Date started 2/12/99 Completed 5/14/99

(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 [Signature] WWC Number 1704 Date 6/8/99

(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 [Signature] WWC Number 783 Date 6/8/99

