

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

SHER 50249

WELL LABEL # L 85679

START CARD # 188939

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

(1) LANDOWNER Owner Well I.D.
First Name DM, JILY DANC Last Name MARTIN
Company
Address PO BOX 201
City RUFUS State OR Zip 97050

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

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other

(4) PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Community
☐ Industrial/Commercial ☐ Livestock ☐ Dewatering ☐ Injection
☐ Thermal ☐ Other

(5) BORE HOLE CONSTRUCTION Special Standard: ☐ Yes (attach copy)
Depth of Completed Well 360 ft.

BORE HOLE			SEAL				Amount (Scks/lbs)
Dia	From	To	Material	From	To		
14	0	60	Cement	0	61		135
10	60	360					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other PLISSURE PUMPED BOTTOM UP

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER

Csg	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
✓		10		1	60	.250	K		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type _____ Material _____

Perf	Scrn	Csg	Linr	Screen Dia	From	To	Screen/slot width	Slot length	# of slots	Tele/pipe size

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
380	100 90	359	1

Temperature 60 °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County SHERMAN Twp 2 N S Range 16 E W.M.
Sec 11 NE 1/4 of the SE 1/4 Tax Lot 1500

Tax Map Number _____ Lot _____

Lat _____ " or _____ DMS or DD

Long _____ " or _____ DMS or DD

Street Address of Well (or nearest address) 73154 GREENBERRY RD. RUFUS OR 97050

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening				
Completed Well	3-30-07			70

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found 272

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
3-30-07	272	284	380			70

(11) WELL LOG

Ground Elevation 900

Material	From	To
SOIL	0	24
SAND & GRAVEL	24	44
GREY BROWN BASALT	44	150
GREY BASALT	150	272
RED, GREY, BROWN ROCK		
BROKEN (WB)	272	284
GREY BASALT	284	360

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Date Started 2-15-07 Completed 3-30-07

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, 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.

License Number _____ Date _____

Signed BEN TIBBLES

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, 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.

License Number 1782 Date 5-6-08

Signed JO White

Contact Info. (optional)

T 11027

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.

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MAR 30 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
APR - 6 1970
STATE ENGINEER
SALEM, OREGON

2N/16-11

(1) OWNER:

Name Allen Tom
Address Rufus, Ore

(2) TYPE OF WORK (check):

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

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

CASING INSTALLED:

Threaded ☐ Welded ☐
10" Diam. from 0 ft. to 21 ft. Gage 1025
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to 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) WATER LEVEL: Completed well.

Static level 40' ft. below land surface Date Feb 27, '70
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Columbia Pump
Yield: 200 gal./min. with 120 ft. drawdown after 4 hrs.

Ball test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 56° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:

Well seal—Material used Cement Grout
Depth of seal 21' ft.
Diameter of well bore to bottom of seal 14 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
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:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Sherman Driller's well number 1
1/4 Section 11 T. 2N R. 16 E W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 8 3/4"
Depth drilled 170' ft. Depth of completed well 170' 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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Soil, Br. Heavy	0	4	
Claystone, Gray	4	11	
Basalt, Red	11	30	
Basalt, BIK	30	110	
Basalt, Brown Brk. Soft	110	115 (Water)	
Basalt, Black Hd	115	120	
Basalt, Soft Br, BIK	120	125 (Water)	
Basalt, BIK	125	150	
Basalt, Broken, BIK, Br	150	165 (Water)	
Basalt, Gray Hd	165	170	

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Work started Feb 21 1970 Completed Feb 23 1970
Date well drilling machine moved off of well Feb 23 1970

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] Jim Parry Date Mar 17, 1970
(Drilling Machine Operator)

Drilling Machine Operator's License No. 640

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 Project Corporation
(Person, firm or corporation) (Type or print)

Address One South Second, Warrenton

[Signed] Ray Biner, Jr.
(Water Well Contractor)

Contractor's License No. 527 Date 3/24/70

(USE ADDITIONAL SHEETS IF NECESSARY)

T 11027

Larry Toll

From: Mike Zwart [zwartmj@wrd.state.or.us]
Sent: Friday, March 27, 2009 1:07 PM
To: Larry Toll
Subject: Bill Martin, G-16803

Larry,

Your question is a fair one, given that the Department has been moving to consider the CRB as multiple separate aquifers. The two wells (SHER 50249 and SHER 296) are similarly constructed, with shallow seals and open hole below. The wells likely share one or more water-bearing zones, given the difference in well-head elevation and assuming that the driller for the deeper well may not have reported the shallower zones which were reported at the shallower well. The static water levels are in the ballpark, but not exactly as close as I would like to see. Perhaps current measurements would reveal that they are closer. The older well is not deep enough to penetrate the water-bearing zone reported at the deeper well. It would likely need to be about 220 to 230 feet to do that. So, some information suggests that a Permit Amendment could work, but other information does not.

Without consulting others or requesting additional information that would bear on any findings, I recommend going ahead and trying for the Permit Amendment. It might be wise to try to measure statics at both wells for comparison. I estimate that the difference in well-head elevation is about 55 feet +/-10 feet. This information might tip the balance one way or the other.

Mike

Michael J. Zwart - Hydrogeologist
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503.986.0844 fax: 503.986.0902

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