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STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 511.251)

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

SEP 07 2001

WELL ID. # 47221

START CARD # 107830

(1) LAND OWNER SALEM, OREGON Well Number _____

Name Robert T. Redmond

Address 2000 1st St

City SALEM State OR Zip 97304

(2) TYPE OF WORK ☒ New Well ☐ Deepening ☐ Alteration (specify conditions) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other _____

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION:

Special Construction approval: ☒ Yes ☐ No Depth of Completed Well 487 ft.

Expenses used ☐ Yes ☒ No Type _____ Amount _____

HOLE SHAFT

Diameter From To Material Prices To Socks or pounds

12 0 5.6 Concrete 50 50 10 Socks

8 5.6 2.9 Rebar 0 20 9 Socks

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other Rebar and concrete

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

Gravel placed from _____ ft. to 100 ft. Size of gravel _____

(6) CASING/LINER:

Diameter From To Gauge Steel Plastic Matted Threaded

Live 6 0 5.6 Steel ☐ ☒ ☐ ☐

4 5.6 3.18 Steel ☐ ☒ ☐ ☐

Casing 0 0 0 Steel ☐ ☐ ☐ ☐

2 0 0 0 Steel ☐ ☐ ☐ ☐

Drive Shaft used ☐ Inside ☒ Outside ☐ None

Final location of shaft(s) 2" 100'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method SAW

☐ Screens Type _____ Material _____

From To Slot size Number Diameter Deity pipe slot Casing Liner

3.12 3.72 2 2 6.44 ☐ ☒

☐ ☐ ☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ ☐ ☐

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing

Yield gallons Drawdown Drill stem at Time

60 20 475 1 hr

☐ ☐ ☐ ☐

Temperature of water 69° Depth Artesian Flow Found _____

Was a water analysis done? ☐ Yes ☐ No By whom _____

Did any strata contain water not suitable for intended use? ☐ Yes ☐ No

☐ Salty ☐ Murky ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Clatsop Latitude _____ Longitude _____

Township 35 N or S Range 40 E or W WM.

Section 10 NE 1/4 SW 1/4

Tax Lot 100 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) 2000 1st St

SALEM OR 97304

(10) STATIC WATER LEVEL:

64 ft. below land surface. Date 6-2-2001

Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 300'

From To Estimated Flow Rate SWL

300' 325' 20" 64"

470' 480' 25" 64"

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

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(12) WELL LOG:

Ground Elevation _____

Material From To SWL

Topsoil 0 6

Reddish Clay 6 50

Light Brown Clay 50 70

Grey Clay 70 80

Brown Clay 80 825'

Fractured Basalt Block 775 300

Grey Basalt 300 320

Blocky Grey Basalt 320 35-5'

Fractured Brownish Black 355' 825' 64"

Basalt 825' 895' 64"

Black Basalt 895' 910' 64"

Basalt 910' 920' 64"

Fractured Basalt 920' 930' 64"

Basalt 930' 940' 64"

Basalt 940' 950' 64"

Basalt 950' 960' 64"

Basalt 960' 970' 64"

Basalt 970' 980' 64"

Basalt 980' 990' 64"

Basalt 990' 1000' 64"

Basalt 1000' 1010' 64"

Basalt 1010' 1020' 64"

Basalt 1020' 1030' 64"

Basalt 1030' 1040' 64"

Basalt 1040' 1050' 64"

Basalt 1050' 1060' 64"

Basalt 1060' 1070' 64"

Basalt 1070' 1080' 64"

Basalt 1080' 1090' 64"

Basalt 1090' 1100' 64"

Basalt 1100' 1110' 64"

Basalt 1110' 1120' 64"

Basalt 1120' 1130' 64"

Basalt 1130' 1140' 64"

Basalt 1140' 1150' 64"

Basalt 1150' 1160' 64"

Basalt 1160' 1170' 64"

Basalt 1170' 1180' 64"

Basalt 1180' 1190' 64"

Basalt 1190' 1200' 64"

ORIGINAL - WATER RESOURCES DEPARTMENT

FIRST COPY - CONSTRUCTOR

SECOND COPY - CUSTOMER

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

RECEIVEDSTATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 471.745)

WATER RESOURCES DEPT.

Instructions for well owner: See last page of this form.

WELL I.D. # 47922
START CARD # 187830Union
50929(1) LAND OWNER SALEM, OREGON Well Number _____Name Robert T. RichmondAddress 801 24thCity Cave State OR Zip 97144

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (improvement/record) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger☐ Other _____

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 487 ft.Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From	To	Material	From	To
12	0	56	Coarse	20	56
8	56	487	1/2 inch	0	20

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E☐ Other Placed Bandwidth

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

Gravel placed from _____ ft. to None Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge Steel	Plastic	Welded	Threaded
6	0	56	☒	☐	☐	☐
4	56	487	☒	☐	☐	☐
			☐	☐	☐	☐
			☐	☐	☐	☐
			☐	☐	☐	☐

Drive Shoe used ☐ Inside ☒ Outside ☐ NoneFinal location of shoe(s) 8" 100'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Saw☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Slot/type size	Casing	Liner
312	372		200	644		☒	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gpm/min	Drawdown	Drift down at	Time
60	20	475	1 hr.

Temperature of water 69° Depth Artesian Flow Found _____Was a water analysis done? ☐ Yes By whom _____Did any strata contain water not suitable for intended use? ☐ Yes ☐ No☐ Salty ☐ Muddy ☐ Oily ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Union Latitude _____ Longitude _____
Township 33 N or S Range 40 E or W. WM.
Section 10 NE 1/4 42 1/4
Tax Lot 100 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Cave Dr 60889-1415-14

(10) STATIC WATER LEVEL:

_____ ft. below land surface. Date 6-2-2001

Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 305'

From	To	Estimated Flow Rate	SWL
205	215	26"	
470	480	95"	64

(12) WELL LOG:

Material	From	To	SWL
Top Soil	0	6	
Light Brown Clay Bandwidth	6	50	
Light Brown Clay Bandwidth	50	70	
Grey Clay Bandwidth	70	80	
Brown Clay Bandwidth	80	87.5"	
Fractured Basalt Block	275	300	
Grey Basalt	300	360	
Brown Grey Rockfill Clay	320	38.5"	
Fractured Brown Block			
Basalt	350"	375"	
Black Basalt	375"	395"	
Brown Basalt	395"	410"	
Vertical Basalt Soft			
Brown	410	470	
Fractured Soft Rock			
Brown	470	480	
Black Basalt	480	487	64

Date started 5-29-2001 Completed 6-2-01

(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 Robert T. Richmond WWC Number 1737 Date 5-29-01

(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 Robert T. Richmond WWC Number 410 Date 6-4-2001

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