





**WATER WELL REPORT**  
STATE OF OREGON

**RECEIVED**

JAN 3 1 1983

**WATER RESOURCES DEPT.**  
SALEM, OREGON

*#10 - location should be R. 40E  
not 4E - per WWC  
2/8/83 JCB*

pg. 3 of 4  
State Well No. 45/4E-19b  
State Permit No. \_\_\_\_\_

**(1) OWNER:**

Name City of Union  
Address City Hall  
City Union State Oreg. 97883

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

New Well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL:**

Rotary Air  Driven  Domestic  Industrial  Municipal   
Rotary Mud  Dug  Irrigation  Test Well  Other   
Cable  Bored  Thermal: Withdrawal  Reinjection

**(4) PROPOSED USE (check):**

**(5) CASING INSTALLED:**

Steel  Plastic   
Threaded  Welded

*see page 1*

"Diam. from ..... ft. to ..... ft. Gauge .....  
"Diam. from ..... ft. to ..... ft. Gauge .....

**LINER INSTALLED:**

"Diam. from ..... ft. to ..... ft. Gauge .....

**(6) PERFORATIONS:**

Perforated?  Yes  No

Type of perforator used see page 1

Size of perforations 3/16 in. by 3 in.

..... 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) WELL TESTS:**

Drawdown is amount water level is lowered below static level

Was a pump test made?  Yes  No If yes, by whom? A&H Pump Serv.

1500 gal./min. with 160 ft. drawdown after 24 hrs.

Air test gal./min. with drill stem at ..... ft. hrs.

Bailer test gal./min. with ..... ft. drawdown after ..... hrs.

Artesian flow 250 g.p.m. w/4 1/2 PSI

Temperature of water 72\* Depth artesian flow encountered ..... ft.

**(9) CONSTRUCTION:**

Special standards: Yes  No

Well seal—Material used Cement

Well sealed from land surface to 160 ft.

Diameter of well bore to bottom of seal 22 in.

Diameter of well bore below seal 16 in.

Number of sacks of cement used in well seal 9 yds. sacks

How was cement grout placed? Pumped

Was pump installed? no Type ..... HP ..... Depth ..... ft.

Was a drive shoe used?  Yes  No Plugs ..... Size: location ..... ft.

Did any strata contain unusable water?  Yes  No

Type of Water? Surface depth of strata 9 ft.

Method of sealing strata off casing & grout

Was well gravel packed?  Yes  No Size of gravel: .....

Gravel placed from ..... ft. to ..... ft.

**(10) LOCATION OF WELL:**

County Union Driller's well number .....  
1/4 NW 1/4 Section 19 T. 4S R. 4E W.M.  
Tax Lot # ..... Lot ..... Blk ..... Subdivision .....

Address at well location: .....

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

Depth at which water was first found 225 ft.

Static level ..... ft. below land surface. Date .....

Artesian pressure 4 1/2 lbs. per square inch. Date 1-10-83

**(12) WELL LOG:**

Diameter of well below casing -0-

Depth drilled 1200 ft. Depth of completed well 1200 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
Clayey Cinders	710	750	w/b 728
Rock w/blue-grey clay strips	750	760	
Hard basalt, dk. grey	760	825	
Fractured basalt (lost lots mud)	825	845	w/b 825
most water at 825'?			
Basalt, some broken or softer	845	875	
Broken basalt	875	895	w/b 948?
Basalts w/lt. grey particles			
or strips	895	933	
Claystone, dk. green, dk. grey	933	945	
Broken basalt	945	955	
Basalt, seamed w/clay seams	955	972	
Basalt, seamed w/clay seams,			
some quartz particles	972	1020	w/b 977?
Basalt w/clay seams-softer	1020	1043	w/b 990
Clay strips (soft) w/quartz prt	1043	1050	w/b 1025
Claystone w/basalt strips	1050	1073	
Basalts, fractured	1073	1097	
Basalt, fairly solid	1097	1115	
Basalt, green clay seams	1115	1120	
Basalt, dk. grey	1120	1156	

Work started 7-7 19 82 Completed 1-7 19 83  
Date well drilling machine moved off of well 1-14 19 83

**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] [Signature] Date 1-27, 19 83  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 967

**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 Orvail Ruckner Well Drill'g, Inc.  
(Person, firm or corporation) (Type or print)

Address 1686 N.E. Negus Way, Redmond, Oreg. 97756

[Signed] [Signature]  
(Water Well Contractor)

Contractor's License No. 608 Date 1-27, 19 83

