

**NOTICE TO WATER WELL CONTRACTOR:**

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

**RECEIVED WATER WELL REPORT**  
**JUN 19 1968**  
 STATE OF OREGON  
**STATE ENGINEER**  
 SALEM OREGON

M 17.669

7/2w  
~~6/30~~ - 6 Q

No. 47

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

G-4596

**(1) OWNER:**

Name BERNARD A. STEWART  
 Address 4374 41st Ave NE, SALEM, OREGON

**(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   
12" Diam. from plus 1 ft. to 215 ft. Gage 250  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used MILLS KNIFE  
 Size of perforations 1/2 in. by 2 1/2 in.  
1496 perforations from 95 ft. to 212 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. \_\_\_\_\_  
 \_\_\_\_\_ am. Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

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

Static level 34 ft. below land surface Date 6/11/68  
 \_\_\_\_\_ man 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? STETTLER  
 Yield: 620 gal./min. with 106 ft. drawdown after 1 hrs.  
500 " " 83 " " 1 "  
350 " " 60 " " 1/2 "  
 Well pumped 3 1/2 hrs to develop before \_\_\_\_\_ hrs.  
 Artesian flow test run g.p.m. Date \_\_\_\_\_ Sand free.  
 Temperature of water 55 Was a chemical analysis made?  Yes  No

**(10) CONSTRUCTION: bentonite drilling**

Well seal—Material used slurry  
 Depth of seal 42 ft.  
 Diameter of well bore to bottom of seal 16 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 MARION Driller's well number \_\_\_\_\_  
SW 1/4 SE 1/4 Section 68 T. 6 S. R. 3 W. WM W.M.  
 Bearing and distance from section or subdivision corner  
600' N, 2500' W SE Cor. Sec. 6  
End of 42ND St. NE, Salem, Oregon

**(12) WELL LOG:**

Diameter of well below casing 0

Depth drilled 215 ft. Depth of completed well 215 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
Surface soil	0	2	
Clay-sandy, tan	2	26	
Silt-tan	26	38	
Clay-blue	38	46	16
Gravel-tight, blue clay	46	61	
Clay-blue, some gravel	61	79	26
Gravel, sand-tight, brown	79	82	
Clay-brown, sand gravel	82	90	
Gravel, sand-brown clay	90	138	34
Gravel to 2"			
Gravel, sand-tight gray	138	146	
Gravel, sand-gray clay	146	151	
Gravel, sand-yellow clay	151	168	
Gravel, sand-tight brown	168	195	
Gravel, sand-gray clay	195	199	
Gravel, sand-tight gray	199	215	34
Cobbles to 6"			

Drilled open hole 95% of the well, formation very tight.

12" hole drilled with bentonite to 75' Bentonite drilling slurry as seal.

Work started 15 May 19 68 Completed 7 June 19 68  
 Date well drilling machine moved off of well 8 June 19 68

**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] Howard Duffield Date 11 June 19 68  
 (Drilling Machine Operator)

Drilling Machine Operator's License No. 46

**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 DUFFIELD BROS (Type or print)  
 (Person, firm or corporation)

Address 4123 BLUFF AVE S.E., SALEM, ORE.

[Signed] Howard Duffield (Water Well Contractor)

Contractor's License No. 15 Date 11 June, 19 68.