

NOTICE TO WATER WELL CONTRACTOR

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

RECEIVED WATER WELL REPORT

STATE ENGINEER, SALEM, OREGON 97301
within 30 days from the date of well completion

AUG 10 1977

(Please type or print)

(Do not write above this line)

State Well No. 250/31E-28da

State Permit No. G-7990 #2

WATER RESOURCES DEPT.

(1) OWNER: SALEM, OREGON

Name DONALD H. BUFORD
Address P.O. Box 161 BURNS, OREG 97720

(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

(5) CASING INSTALLED: Threaded Welded

" Diam. from 0 ft. to 116 ft. Gage 2250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS: Perforated? Yes No.

of perforator used CX4-ACET. TORCH
Size of perforations 1/4-5/16 in. by 8 in.
240 perforations from 70 ft. to 100 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 DIST # 10

Was a pump test made? Yes No If yes, by whom? WATERMASTER
Yield: 688 gal./min. with 28 ft. drawdown after 2 1/2 hrs.
" " " " " "
" " " " " "
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m.
Temperature of water _____ Depth artesian flow encountered _____ ft.

CONSTRUCTION:

Well seal—Material used CEMENT
Well sealed from land surface to 22 ft.
Diameter of well bore to bottom of seal 30 in.
Diameter of well bore below seal 24 in.
Number of sacks of cement used in well seal 3 1/2 YARDS sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ 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: 1/2"-3/4"
Gravel placed from 22 ft. to 116 ft.

(10) LOCATION OF WELL:

County HARNEY Driller's well number # 2
NE 1/4 SE 1/4 Section 28 T. 25 S R. 31 E W.M.
Bearing and distance from section or subdivision corner
10' NORTH AND 10' EAST OF NE CORNER OF ABOVE DESCRIPTION

(11) WATER LEVEL: Completed well.

Depth at which water was first found 20 ft.
Static level 22 ft. below land surface. Date 7-29-77
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing NONE

Depth drilled 116 ft. Depth of completed well 116 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
SAND (COARSE)	0	20	20
WATER IN SAND	20	22	20
LT. BROWN CLAY	22	23	20
BLACK SAND - (FINE)	23	27	20
LT. BROWN CLAY	27	28	20
BLACK SAND	28	45	20
BLUE CLAY	45	47	20
BLACK SAND	47	65	18
BLUE CLAY	65	70	18
BLACK SAND	70	85	18
BLACK SAND + COARSE GRAVEL	81	104	18
ORANGE CLAY	104	116	18

Work started 4 FEB 19 77 Completed 29 JUL 19 77
Date well drilling machine moved off of well 14 FEB 19

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 H. Buford Date 7 AUG 1977
(Drilling Machine Operator)

Drilling Machine Operator's License No. NONE - PROPERTY OWNER

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 DONALD H. BUFORD
(Person, firm or corporation) (Type or print)
Address P.O. Box 161, BURNS OREG 97720
[Signed] Donald H. Buford
(Water Well Contractor)
Contractor's License No. _____ Date 7 AUG 1977

Pump Test at Lower Well #2

Angle of sight	Dist. from initial point	Width	Depth	Observed depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	1.0	.25	0.								
	1.5	.50	0.3		60	44	1.33			.15	.200
	2.0	.50	0.4		60	40	1.46			.20	.292
	2.5	.50	0.3		60	43	1.36			.15	.204
	3.0	.50	0.4		80	40	1.93			.20	.386
	3.5	.50	0.7		100	44	2.41			.15	.362
	4.0	.50	0.3		80	44	1.76			.15	.264
	4.5	.25	-								
First Measurement											1.707
765.6 gal/min											
	1.0	.25									
	1.5	.50	0.25		80	46	1.68			.125	.210
	2.0	.50	0.25		100	42	2.30			.125	.288
	2.5	.50	0.25		80	40	1.93			.125	.241
	3.0	.50	0.25		100	46	2.10			.125	.241
	3.5	.50	.25		80	40	1.93			.125	.241
	4.0	.50	.25		80	50	1.55			.125	.194
	4.5	.50	.20		40	40	.98			.100	.098
	5.0	.25	-								
Second Measurement at Maximum drawdown level											1.534
688.1 gal/min											
William H. Beal Water Meter Dist #10											



WATER RESOURCES DEPARTMENT

HARNEY COUNTY COURTHOUSE • BURNS, OR • 97720 • Phone 573-2591

July 29-1977

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#2 Well Test of Don Buford's Well

Time	dist to water	765 gal/min	PERMIT #
9:10	22.0		
9:25	42.9		
9:45	45.2		open discharge into a ditch
9:55	46.5		Measured with flow meter.
10:05	47.1		
10:15	47.4		
10:25	47.9		
10:35	48.5		
10:45	48.3		
10:55	49.0		
11:05	49.3		
11:15	49.5		
11:25	49.7		
11:35	50.0	688 gal/min	
11:45	50.5		
11:55	50.6		
12:00	50.6	stopped Pump	
12:05	35.0		
12:10	28.4		
12:15	27.4		

William H. Beal
Water Master Dist. # 10
Burns Oregon