

WATER WELL REPORT
STATE OF OREGON

DESC
4610

NOV 17 1981

pg. 1 of 3
State Well No. 16512E-32
State Permit No.

WATER RESOURCES DEPT

(1) OWNER:

Name Floyd Herring
Address 64689 Boones Borough Dr.
City Bend State Ore. 97701

(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
Rotary Mud Dug
Cased Bored

(4) PROPOSED USE (check):

Subdivision
Domestic Industrial Municipal
Irrigation Test Well Other
Thermal: Withdrawal ReInjection

(5) CASING INSTALLED:

Steel Plastic
Threaded Welded

8" Diam. from +1 ft. to 25 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) 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.

(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?

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

" " " " " "

Air test 30 gal./min. with drill stem at 0 ft. 1 hrs.

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

Artesian flow g.p.m.

Temperature of water 52* Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used Cement

Well sealed from land surface to 25

Diameter of well bore to bottom of seal 12 in.

Diameter of well bore below seal 8 in.

Number of sacks of cement used in well seal 23 sacks

How was cement grout placed? Pressure Grouted

.....

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? depth of strata

Method of sealing strata off

Was well gravel packed? Yes No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number

1/4 1/4 Section 32 T. 16S R. 12E W.M.

Tax Lot # Lot Blk Subdivision

Address at well location: none assigned

(11) WATER LEVEL: Completed well.

Depth at which water was first found 675 ft.

Static level 540 ft. below land surface. Date 10-27-81

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 715 ft. Depth of completed well 710 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
Top Soil	0	5	
Brown Sandstone	5	19	
Lava	19	32	
Broken Lava, crevice	32	45	
Lava	45	55	
Broken Lava, crevice	55	60	
Lava	60	70	
Broken Lava	70	72	
Lava	72	80	
Soft Red Cinders, cemented	80	90	
Lava	90	100	
Broken Lava	100	110	
Lava	110	120	
Soft, Red Cinders	120	125	
Lava	125	150	
Soft	150	160	
Lava	160	172	
Soft	172	180	
Lava	180	188	
Soft	188	190	
Lava	190	200	

Work started 9-2 19 81 Completed 10-27 19 81

Date well drilling machine moved off of well 10-27 19 81

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] William D. Allen Date 10-27/19.81

(Drilling Machine Operator)

Drilling Machine Operator's License No. 803

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 Buckner Well Drilling, Inc.

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

Address 1680 N.E. Negus Way, Redmond, Ore. 97756

[Signed] Orvail Buckner

(Water Well Contractor)

Contractor's License No. 608 Date 11-4 19 81

WATER WELL REPORT
STATE OF OREGON

RECORDED

NOV 17 1981

WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 165/125-32

State Permit No.

(1) OWNER:

Name Floyd Herring
Address 64689 Boones Borough Dr.
City Bend State Ore. 97701

(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
Rotary Mud Dug
Cased Bored

(4) PROPOSED USE (check):

subdivision
Domestic Industrial Municipal
Irrigation Test Well Other
Thermal Withdrawal ReInjection

(5) CASING INSTALLED:

Steel Plastic
Threaded Welded
8" Diam. from +1 ft. to 25 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) 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.

(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?
Yield: gal./min. with ft. drawdown after hrs.
" " " " " "
Air test 30 gal./min. with drill stem at 0 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52* Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used Cement
Well sealed from land surface to 25 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 23 sacks
How was cement grout placed? Pressure Grouted
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? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel: ft.
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number
1/4 1/4 Section 32 T. 16S R. 12E W.M.
Tax Lot # Lot Blk Subdivision
Address at well location: none assigned

(11) WATER LEVEL: Completed well.

Depth at which water was first found 675 ft.
Static level 540 ft. below land surface. Date 10-27-81
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8"
Depth drilled 715 ft. Depth of completed well 710 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
Soft Sandstone w/crevice, cemented	200	263	
Lava	263	265	
Soft, cemented	265	278	
Lava	278	280	
Soft Sandstone	280	380	
Lava	380	400	
Lava	400	470	
Brown Sandstone	470	476	
Lava	476	480	
Brown Sandstone	480	610	
Lava	610	647	
Red Cinders	647	648	
Lava	648	653	
Brown Sandstone	653	661	
Lava	661	668	
Brown Sandstone	668	670	
Lava	670	675	
Red Cinders, Water-Bearing	675	679	
Lava	679	684	
Red Cinders, Water-Bearing	684	687	
Lava	687	690	

Work started 9-3 19 81 Completed 10-27 1981
Date well drilling machine moved off of well 10-27 19 81

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] William D. ... Date 10-27, 1981.
(Drilling Machine Operator) 803
Drilling Machine Operator's License No.

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 Buckner Well Drilling, Inc.
(Person, firm or corporation) (Type or print)
Address 1686 N.E. Negus Way, Redmond, Ore. 97756
[Signed] Orvail Buckner
(Water Well Contractor)
Contractor's License No. 608 Date 11-4, 1981.

WATER WELL REPORT

STATE OF OREGON

State Well No. 165/12E-32

State Permit No.

(1) OWNER:

Name Floyd Herring
Address 64689 Boones Borough Dr.
City Bend State Ore. 97701

(2) TYPE OF WORK (check):

New Well [x] Deepening [] Reconditioning [] Abandon []

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [x] Driven []
Rotary Mud [] Dug []
Bored [x]

(4) PROPOSED USE (check):

Domestic [x] Industrial [] Municipal []
Irrigation [] Test Well [] Other []
Thermal [] Withdrawal [] Reinjection []

(5) CASING INSTALLED:

Steel [x] Plastic []
Threaded [] Welded [x]
8" Diam. from +1 ft. to 25 ft. Gauge .250

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? [] Yes [x] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [] Yes [x] 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 [x] No If yes, by whom?
Air test 30 gal./min. with drill stem at 0 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 52* Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes [] No [x]
Well seal—Material used Cement
Well sealed from land surface to 25 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 23 sacks
How was cement grout placed? Pressure Grouted
Was pump installed? No Type HP Depth ft.
Was a drive shoe used? [] Yes [x] No Plugs Size: location ft.
Did any strata contain unusable water? [] Yes [x] No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? [] Yes [x] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

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Table with 4 columns: MATERIAL, From, To, SWL. Rows include Brown Sandstone, Water-Bearing (690-701), Lava (701-710), and Lava (710-715).

RECEIVED

NOV 1 1981

WATER RESOURCES DEPT
SALEM, OREGON

Work started 9-3 19 81 Completed 10-27 19 81
Date well drilling machine moved off of well 10-27 1981

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] William D. Adam Date 10-27, 19 81.
Drilling Machine Operator's License No. 803

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 Buckner Well Drilling, Inc.
Address 1686 N.E. Negus Way, Redmond, Ore. 97756
[Signed] Orvail Buckner (Water Well Contractor)
Contractor's License No. 608 Date 11-4, 19 81.