

STATE OF OREGON  
WATER WELL REPORT  
(as required by ORS 537.765)

DESC  
5-215

OCT 4 1984

WATER RESOURCES DEPT  
PLEASE TYPE OR PRINT IN INK  
SALEM, OREGON

(for official use only)

(1) OWNER:

Name Mt. Bachelor Corporation  
Address 335 S.W. Century Drive  
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   
Cable  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Thermal:   
Irrigation  Withdrawal  ReInjection   
Other:   
Piezometric  Grounding  Test

(5) CASING INSTALLED:

Steel  Plastic   
Threaded  Welded   
12" Diam. from +1 1/2 ft. to -42 ft. Gauge .250  
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

Steel  Plastic   
Threaded  Welded   
10" Diam. from +1 ft. to -780 ft. Gauge .188

(6) PERFORATIONS:

Perforated?  Yes  No  
Size of perforations 1/8 in. by 3 in.  
1725 perforations from 720 ft. to 780 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? Contractor  
110 gal./min. with 39 ft. drawdown after 48 hrs.  
Air test gal./min. with drill stem at ft. hrs.  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow ----- g.p.m.  
Temperature of water 38\* Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes  No   
Well seal—Material used Cement Grout  
Well sealed from land surface to 42 ft.  
Diameter of well bore to bottom of seal 16 in.  
Diameter of well bore below seal 12 in.  
Amount of sealing material 145 sacks  pounds   
How was cement grout placed? Pressure Grouted

Was pump installed? yes Type subm. HP 60 Depth 772 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 by legal description:

County Deschutes NE 1/4 NW 1/4 of Section 2 of Township 18S Range 9E WM.  
(Township is North or South) (Range is East or West)  
Tax Lot Lot Block Subdivision  
MAILING ADDRESS OF WELL (or nearest address) Mt. Bachelor Ski Lodge

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 730 ft.  
Static level 724 ft. below land surface. Date 8-31-84  
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing -----  
Depth drilled 780 ft. Depth of completed well 780 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
Cinders	0	8	
Tan & Black Sandstone	8	28	
Grey Lava	28	40	
Grey Basalt, Boulders	40	50	
Cinders	50	55	
Grey Basalt	55	100	
Red Cinders	100	103	
Grey Basalt	103	147	
Red Sandstone-Cinders	147	195	
Brown Sandstone-Cinders	195	200	
Red Sandstone-Cinders	200	205	
Grey Lava	205	235	
Brown Sandstone-Cinders	235	255	
Brown Sandstone-Cinders	255	350	
Rocky Cinders-Black	350	415	
Rocky Cinders-Some Brwn. Color	415	425	
Cinders-Red	425	450	
Cinder-Boulder, Hard	450	452	
Cinders-Red	452	464	
Basalt & Boulders, Hard	464	475	
Cinders, Red	475	560	

Date work started 4-25-84 /completed 8-31-84  
Date well drilling machine moved off of well 9-10 19 84

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Neil Mills Date 8-31- 19 84

(bonded) Water Well Constructor Certification:

Bond 630130021279 Issued by: U.S. Fidelity & Guaranty  
(number) (Surety Company Name)  
On behalf of Orvail Buckner Well Drilling, Inc.  
(type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(Signed) Orvail Buckner (Water Well Constructor)

(Dated) 8-31-84

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185/9E-2 bab 20

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New Well [x] Deepening [ ] Reconditioning [ ] Abandon [ ] If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

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Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Thermal: Withdrawal [ ] ReInjection [ ] Other: Piezometric [ ] Grounding [ ] Test [x]

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LINER INSTALLED:

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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.

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Table with columns: MATERIAL, From, To, SWL. Rows include Cinders & Boulders, Cinders-Red, Cinders-Red W/Boulders, Cinders-Red, Cinders & Rocks-Red, Cinders-Blk. & Boulders, Cinders-Blk W/ Occasional Rocks & Boulders.

Date work started 4-25-84 /completed 8-31-84 Date well drilling machine moved off of well 9-10 19 84

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[Signed] [Signature] Date 8-31, 19 84

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Bond 630130021279 Issued by: U.S. Fidelity & Guaranty (number) (Surety Company Name) On behalf of Orvail Buckner Well Drilling, Inc. (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) [Signature] (Water Well Constructor)

(Dated) 8-31-84