

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

(WELL I.D.)# L 72483
 (START CARD) # 168799

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number Outback #7
 Name USFS Deschutes National Forest (Lessee: City of Bend)
 Address 1001 Emkay (Lessee: PO Box 431)
 City Bend State OR Zip 97702

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Reverse Circulation Rotary

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 860.5 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
23	0	14	cement	0	160	128 sacks
20 nom	14	612	Intermediate	Sealing	Material:	
15	612	860.5	Bentonite	160	575	28,200 pounds
			Cement	575	612	110 sacks

How was seal placed: Method A B C D E
 Other Bentonite was poured & probed
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	16	+2	612	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	12	602.5	860.5	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From		To		Slot size	Number	Diameter	Material	Casing	Liner
610.5	860.5	3/16x3	11424				Tele/pipe size	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Method factory mill cut
 Type _____

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Flowing Time
1470	0.8		1 hr.
1470	0.8		24 hr

Pump Bailer Air Artesian

Temperature of water ~52F Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Deschutes Latitude _____ Longitude _____
 Township 18 S Range 11 E WM.
 Section 3 NE 1/4 of NW 1/4
 Tax Lot 200 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 18900 Skyliners Rd
Bend, OR 97709

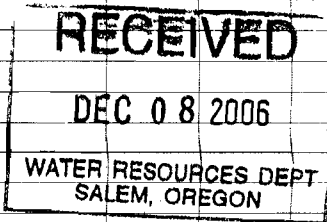
(10) STATIC WATER LEVEL:
469.5 ft. below land surface. Date 10/17/06
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found trace 456+; significant @ 612'

From	To	Estimated Flow Rate	SWL
612	860	see (8)	see (10)
456+	528-	trace	456

(12) WELL LOG:
 Ground Elevation _____

Material	From	To	SWL
see attached formation log			



Date started 3/15/06 Completed 10/20/06

(unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
 Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
 Signed Stephen J. Schneider WWC Number 649 Date 11/3/06

DESC 57760

USFS Deschutes National Forest / City of Bend Outback Well #7

by Schneider Drilling Co.

Start Card #168799 Label #L72483

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	2	Top soil and basalt, broken
2	10	Basalt, grey, medium
10	16	Basalt, grey, medium, fractured
16	47	Basalt, grey, medium w/seams of red
47	66	Cinders, red w/seams of basalt, grey, medium
66	106	Pumice, white
106	157	Cinders, red w/seams of basalt, grey, medium & pumice, white
157	166	Pumice, tan
166	373	Pumice, tan & basalt, grey, medium & cinders, red
373	385	Basalt, grey, hard
385	397	Pumice, tan & basalt, grey, medium
397	400	Basalt, grey, hard, fractured
400	410	Cinders, red, soft
410	426	Basalt, grey hard
426	460	Basalt, grey, medium-hard interbedded with basalt, black, broken & cinders, black & red
460	475	Cinders, red w/black & pumice, tan; soft
475	508	Pumice, tan & cinders, red w/black; very soft
508	528	Cinders, red w/black, soft
528	548	Cinders, red & black, w/pumice, tan & some basalt chips, black
548	555	Cinders, red & black w/some pumice, tan
555	608	Pumice, tan w/cinders, red & black
608	610	Pumice, tan w/cinders, red-brown
610	639	Basalt, grey, hard, some fractures
639	647	Basalt, grey, hard-medium, some fractures, w/some basalt, brown, fracture, occ vesicles
647	656	Basalt, grey, hard, some fractures
656	673	Basalt, grey red & brown, medium-soft, broken, some vesicles, some cinders
673	687	Cinders, red & brown, soft, broken, some vesicles
687	704	Basalt, grey hard
704	712	Basalt, red & grey, medium-hard
712	717	Cinders, red, soft
717	726	Basalt, dark red w/some grey, medium-hard
726	732	Basalt, grey, medium-hard
732	740	Basalt, dark red & grey, medium-hard, vesicular
740	743	Basalt, grey w/some red, medium-hard
743	745	Basalt, grey, hard
745	767	Basalt, grey red & brown, medium-soft, broken, some vesicles, some cinders
767	774	Basalt, dark red, medium, broken, w/some cinders, red
774	781	Basalt, red, soft, cindery w/some grey basalt
781	782	Basalt, grey red brown, medium-hard, w/some red cinders
782	832	Basalt, grey w/some red, hard, fractured
832	852	Basalt, red w/some brown, medium, fractured w/cinders & some pumice
852	860.5	Basalt, grey w/some red, hard, fractured & some cinders

