

WATER SUPPLY WELL REPORT

DESC 52907 Amendment

Received Date 04/10/2000
Well ID Tag # L 39583
Start Card # 124991

(as required by ORS 537.765)

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

(1) OWNER Well Number
Name CITY OF BEND
Street PO BOX 431
City BEND State OR Zip 97709

(9) LOCATION OF HOLE By legal description
County Deschutes Latitude Longitude
Township 17.00 S Range 12.00 E Subdivision
Section 33 NE 1/4 NE 1/4
Street Address of Well (or nearest address)
1402 NE LAFAYETTE
MAP with location indentified must be attached

(2) TYPE OF WORK
[X] New [] Alter (Recondition) [] Alter (Repair)
[] Deepening [] Abandonment

(10) STATIC WATER LEVEL
786.0 Ft. below land surface. Date 02/15/2000
Artesian Pressure lb/sq. in. Date

(3) DRILL METHOD
[X] Rotary Air [] Rotary Mud [] Cable [] Auger
Other

(11) WATER BEARING ZONES
Depth at which water was first found 815 ft.

(4) PROPOSED USE
[] Domestic [X] Community [] Industrial [] Irrigation [] Injection
[] Livestock [] Thermal Other

(5) BORE HOLE CONSTRUCTION
Special Standards [X] Depth of completed well 1140 ft.
Explosives Used [] Amount Type
How as seal placed: Method Other
Backfill placed from ft. TO ft. Material
Filter pack from ft. TO ft. Size in.

(12) WELL LOG
Ground Elevation ft.

(6) CASING/LINER
Casing or Liner Diameter Begin Depth End Depth Gauge Material Weld Threaded Location Of Shoe
C 14.00 0.00 862.00 .375 S [X] []

(7) PERFORATION/SCREENS
[] Perforation: Method
[] Screens Type Material

(8) WELL TESTS (Minimum testing time is 1 hour)
Type Yield Units Drawdown Stem at Duration
Pump 1000.0 G 30.0 24.0
Temperature of water 53 °F/C Depth artesian flow found ft.
Was water analysis done? []
By Whom?
Did any strata contain water not suitable for intended use? [] Too Little [] Salty
[] Muddy [] Odor [] Colored Other
Depth of strata ft.

Date started 12/06/1999 Completed 03/24/2000
(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 well construction standards. Materials used and information reported above are true to the best knowledge and belief.
Signed By
(bonded) Water Well Constructor Certification: WWC Number
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work was done in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1464
Signed By GREG MCINNIS GEO-TECH EXPLORATIONS

DESC
52907

APR 10 2000

STATE OF OREGON WATER RESOURCES DEPT. WATER SUPPLY WELL REPORT SALEM, OREGON

WELL I.D. # L. 39583
START CARD # 124991

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

(1) OWNER: Well Number FB3
Name City of Bend
Address PO Box 431
City Bend State OR Zip 97709

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

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

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 1140 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
20"	0	862	cement	0	150	134 bags
			cement	822	862	66 bags

How was seal placed: Method A B C D E
 Other _____
Backfill placed from 822 ft. to 150 ft. Material bent/sand gravel
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14"	0	862	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method Factory
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
860	1140	1/8x3	13440	10"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailor	<input type="checkbox"/> Air	Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian
1,000	30		<input type="checkbox"/>
			<input checked="" type="checkbox"/>

Temperature of water 53 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 N or S Range 12 E or W. WM.
Section 33 NE 1/4 NE 1/4
Tax Lot 101 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 1402 NE Lafayette
Bend, Oregon 97701

(10) STATIC WATER LEVEL:
786 ft. below land surface. Date 2-15-00
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 815

From	To	Estimated Flow Rate	SWL
752	815	NA	752 ft. 4"
871	1140	1,000+	786

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
SEE ATTACHED SHEET			

Date started December 6, 1999 Completed March 24, 2000

(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 [Signature] WWC Number 1672
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 [Signature] WWC Number 1464
Date _____

START CARD #: 124991

**FORMATION LOG FOR THE CITY OF BEND, PILOT BUTTE WELL #3
BY GEO-TECH EXPLORATIONS, INC.**

From/To	Material
0-6	Sand & Cobbles
6-352	Cinders, red, soft
352-370	Basalt, gray, hard
370-390	Lava & Pumice, soft, red
390-470	Lava, gray, porous
470-560	Basalt, fractured, gray
560-580	Basalt, broken
580-650	Basalt, fractured, gray
650-693	Basalt, gray, hard
693-700	Lava, red, medium
700-705	Basalt, weathered, soft
705-717	Basalt, gray, medium
717-725	Basalt, gray-red, porous
725-815	Basalt, gray, fractured, medium
815-854	Basalt, gray, broken
854-871	Basalt, fractured, hard
871-884	Lava, red & brown, loose
884-900	Lava, red & black, some cinders, red-pumice, soft
900-915	Lava, gray-black, soft
915-927	Basalt, gray, medium
927-940	Lava, gray-red, porous
940-973	Cemented pea gravels, weathered
973-987	Lava, gray, medium
987-1,040	Lava conglomerate
1,040-1,115	Lava, black & brown, soft
1,115-1,121	Basalt, gray, hard, pin holes
1,121-1,131	Lava, gray-brown, soft
1,131-1,141	Basalt, gray, hard