

**Attachment 3**

Well Logs

*Permit Amendment Application for G-17476*

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NOTICE TO WATER WELL CONTRACTOR  
The original and first copy of this report are to be filed with the

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**WATER WELL REPORT**

WATER RESOURCES DEPARTMENT  
SALEM, OREGON 97310  
within 30 days from the date of well completion.  
STATE OF OREGON  
(Please type or print)  
WATER RESOURCES DEPT.  
(Do not write above this line)  
SALEM, OREGON

*Baker 1148*

State Well No. 95/406-1901  
State Permit No. G-7635

AUG 3 1977

**(1) OWNER:**

Name CITY OF BAKER #1  
Address BAKER, OREGON

**(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

**CASING INSTALLED:**

Threaded  Welded   
6" Diam. from +2 ft. to -20 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**PERFORATIONS:**

Perforated?  Yes  No.  
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.  
ST. 1500 GPM AIR LIFT "  
MP TEST WILL BE MADE LATER "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
perature of water 68 Depth artesian flow encountered NONE ft.

**(9) CONSTRUCTION:**

Well seal—Material used NEAT CEMENT  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 20 in.  
Diameter of well bore below seal 16 in.  
Number of sacks of cement used in well seal 15 sacks  
How was cement grout placed? \_\_\_\_\_

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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 BAKER Driller's well number 024-77  
NW 1/4 SE 1/4 Section 19 T. 9 S. R. 40 E. W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found 195 ft.  
Static level 177 ft. below land surface. Date 7-30-77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

16" to 500 FT.  
Diameter of well below casing 10" to 800  
Depth drilled 800 ft. Depth of completed well 800 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
SILT SOIL	0	2	
MED. HARD BROWN BASALT	2	68	
GREY BASALT	68	110	
BROWN BASALT	110	173	
BROKEN BROWN w/ SOAPSTONE	173	195	W.B.
SOFT BROWN w/ SOAPSTONE	195	236	
BROWN BASALT	237	270	
RED BASALT	270	276	W.B.
BROWN BASALT	276	316	
BROKEN BROWN "	316	320	W.B.
BROKEN w/ SOAPSTONE	320	355	
HARD GREY BASALT	355	381	
RED BROKEN BASALT	381	400	W.B.
GREY "	400	505	
HARD GREY BROKEN	505	528	
GREY w/ SOAPSTONE	528	633	
HARD GREY BASALT	633	700	
SOFT GREY & BROKEN	700	711	W.B.
SOFT GREY	711	800	

Work started 7-18 19 77 Completed 7-30 19 77  
Date well drilling machine moved off of well 8-1 19 77

**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] Phillip Wallaw Date 8-1, 19 77  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 886

**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 WALLACE WELL DRILLING CO.  
(Person, firm or corporation) (Type of print)

Address 6 SKYLINE DR. FENDLETON

[Signed] Phillip Wallaw  
(Water Well Contractor)

Contractor's License No. 583 Date 8-1, 19 77

STATE OF OREGON  
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D. # L 5550B  
START CARD # 163029

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

(1) LAND OWNER CITY OF BAKER CITY Well Number \_\_\_\_\_  
Name CITY OF BAKER CITY  
Address P.O. Box 650  
City BAKER CITY State ORE. Zip 97814

(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 518 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE SEAL - NOT DISTURBED

Diameter	From	To	Material	From	To	Sacks or pounds
15"	500'	520'				

How was seal placed: Method  A  B  C  D  E  
 Other OCCURRED  
Backfill from 520 ft. to 570 ft. Material Basalt Fragments  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER: - MEASUREMENTS FROM GROUND SURFACE

Liner Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
14"	3'	43'	.250"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14" x 12"	345'	343.5'	.375"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12"	345'	507.5'	.250"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12"	507.5'	518'	.375"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Liner: RING  
Drive shoe used  Inside  Outside  None  
Final location of shoe RING: 518' (RING IS 12" O.D. X 10" I.D.)

(7) PERFORATIONS/SCREENS: 1" THICK

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
345'	507.5'	3" x 1/4"	7344	12"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
43'	343.5'	100		14"	PS	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Time
		<u>N</u>	1 hr.
		<u>A</u>	

Temperature of water \_\_\_\_\_ 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 BAKER Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 9S N or S Range 40E E or W, WM.  
Section 19 NE 1/4 SW 1/4  
Tax Lot 600 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 4100 INDIANA AVE. BAKER CITY, ORE 97814

(10) STATIC WATER LEVEL:  
240 ft. below land surface. Date 02-13-04  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWL
	<u>N</u>		
	<u>A</u>		

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<u>ATTEMPT TO CLEAN ORIGINAL HOLE USING AN 8" BIT:</u>	<u>500'</u>	<u>570'</u>	
<u>ORIGINAL HOLE ENLARGED FROM 10" TO 15" DIAMETER</u>	<u>500'</u>	<u>520'</u>	
<u>BACKFILLING OF HOLE OCCURRED WHILE ENLARGING AND REAMING 10" TO 15"</u>			
<u>BACKFILL 520'</u>			
<u>BOTTOM OF BACKFILLED HOLE UNKNOWN &amp; ASSUMED TO BE 570'</u>			

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WATER RESOURCES DEPT  
SALEM, OREGON

Date started DECEMBER 10, '03 Completed FEB. 13, '04

(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.  
WWC Number \_\_\_\_\_  
Signed \_\_\_\_\_ 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.  
WWC Number 633  
Signed Michael Waldrop Date 05-01-04

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