

CUAC 17806 DEC - 7 1992

3s/3E/13dc

WATER WELL REPORT

(as required by ORS 537.765)

WATER RESOURCES DEPT.

Typed SALEM, OREGON

well log:

(START CARD) # W-28094

November 21, 1992

Well Number 2-92

(1) OWNER:

Name Lester K./Arline Bright
Address 20802 S. Springwater Road
City Estacada, State OR Zip 97023

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 330 ft.
Explosives used Yes No Type Amount

Table with columns: HOLE Diameter, From, To, SEAL Material, From, To, Amount sacks or pounds. Rows include 10" Bentonite and 6" Cement.

How was seal placed: Method A B C D E
Other Bentonite/Cement Bailer

Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for Casing and Liner.

Final location of shoe(s) 566 feet

(7) PERFORATIONS/SCREENS:

Perforations Method
Screens Type Material

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner.

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

Pump Bailer Air Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Row: 22 cpm, 48 feet, 1 hr.

Temperature of Water 50.0 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 Clackamas Latitude Longitude
Township 3-S N or S. Range 3-E E or W. WM.
Section 13 SW 1/4 SE 1/4
Tax Lot 4402 Lot Springwater Estates #1
Street Address of Well (or nearest address) 20802 S. Springwater Road, Estacada, OR 97023

(10) STATIC WATER LEVEL:

437 ft. below land surface. Date 3/4/92
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 868 feet

Table with columns: From, To, Estimated Flow Rate, SWL. Row: 868 feet, 880 feet, 22 gal/min, 437'

(12) WELL LOG:

Ground elevation

Large empty table for well log entries with columns: Material, From, To, SWL.

Date started 2/11/92 Completed 3/4/92

(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 my best knowledge and belief.

Ronald F. McConnell, dba Steinman Bros. Drilling Co. WWC Number 1
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 well construction standards. This report is true to the best of my knowledge and belief.

Ronald F. McConnell WWC Number 1
Signed Date 11/21/92

Ronald F. McConnell, Owner,
 dba STEINMAN BROS. DRILLING CO.
 Oregon License No. 1
 Milwaukie, OR 97222-7172
 503-654-2890

RECEIVED

Domestic Water Well NO. 4-91
 Start Card #W-28094

NOV 12 1992

WATER RESOURCES DEPT
 SALEM, OREGON

LES BRIGHT

20802 S. Springwater Road
 Estacada, Oregon 97023

County: Clackamas

Township:3-S Range:3-E

W.M.

Well drilled: 2/11-3/4/92

WELL GEOLOGY	DEPTH	THICKNESS	STATIC WATER LEVEL	YIELD: GAL/MIN	DRAW-DOWN
Clay; orange	0-9 ft.	9			
Clay; cobbles, brown	9-21 ft.	12			
Cemented gravel & cobbles	21-43 ft.	22			
Clay; brown	43-67 ft.	24			
Clay; gray	67-88 ft.	21			
Clay & gravel; gray	88-90 ft.	2			
Sandstone; gray	90-111 ft.	21			
Clay; brown	111-131 ft.	20			
Sandstone; brown	131-137 ft.	6			
Clay; brown	137-155 ft.	18			
Clay; gray	155-172 ft.	17			
Clay; sandy, gray	172-206 ft.	34			
Sand; fine, gray	206-214 ft.	8			
Clay; gray	214-283 ft.	69			
Sand; gray	283-298 ft.	15			
Clay; gray	298-303 ft.	5			
Clay; blue	303-335 ft.	32			
Sand; gray	335-336 ft.	1			
Clay; blue	336-364 ft.	28			
Clay; gray	364-471 ft.	97			
Clay; blue	471-484 ft.	13			
Clay; gray	484-508 ft.	24			
Clay; sandy, gray	508-548 ft.	40			
Basalt; med. soft, gray	548-746 ft.	198			
Basalt; soft, gray	746-752 ft.	6			
Basalt; med. soft, gray	752-793 ft.	41			

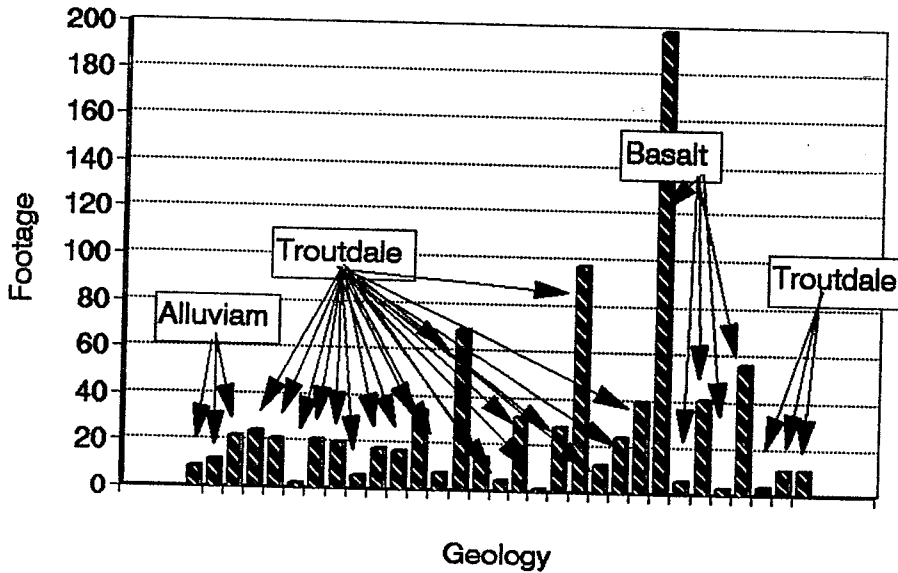
Basalt; med. hard, gray	793-796 ft.	3			
Basalt; med. soft, gray	796-852 ft.	56			
Shale; gray	852-856 ft.	4			
Sandstone; gray	856-868 ft.	12			
Sand; coarse, dark gray	868-880 ft.	12	437	22	48

RECEIVED

LES BRIGHT WELL NO. 4-92
Graph of Geology Encountered

NOV 12 1992

WATER RESOURCES DEPT
SALEM, OREGON



Ronald F. McConnell, Owner,
 dba STEINMAN BROS. DRILLING CO.
 Oregon License No. 1
 Milwaukie, OR 97222-7172
 503-654-2890

RECEIVED

NOV 12 1992

WATER RESOURCES DEPT
 SALEM, OREGON

Domestic Water Well NO. 4-91
 Start Card #W-28094

LES BRIGHT

20802 S. Springwater Road
 Estacada, Oregon 97023

County: Clackamas

Township:3-S Range:3-E

W.M.

Well drilled: 2/11-3/4/92

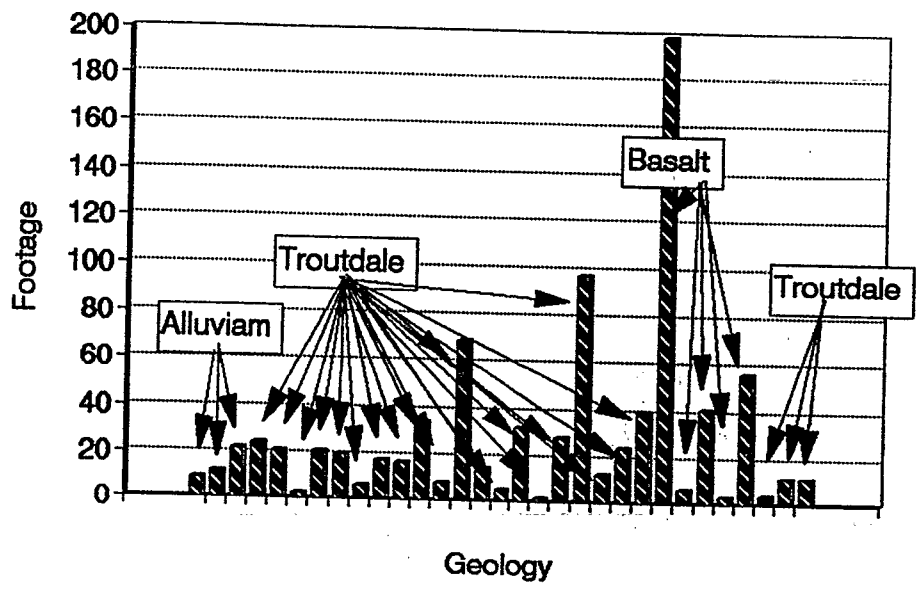
WELL GEOLOGY	DEPTH	THICKNESS	STATIC WATER LEVEL	YIELD: GAL/MIN	DRAW-DOWN
Clay; orange	0-9 ft.	9			
Clay; cobbles, brown	9-21 ft.	12			
Cemented gravel & cobbles	21-43 ft.	22			
Clay; brown	43-67 ft.	24			
Clay; gray	67-88 ft.	21			
Clay & gravel; gray	88-90 ft.	2			
Sandstone; gray	90-111 ft.	21			
Clay; brown	111-131 ft.	20			
Sandstone; brown	131-137 ft.	6			
Clay; brown	137-155 ft.	18			
Clay; gray	155-172 ft.	17			
Clay; sandy, gray	172-206 ft.	34			
Sand; fine, gray	206-214 ft.	8			
Clay; gray	214-283 ft.	69			
Sand; gray	283-298 ft.	15			
Clay; gray	298-303 ft.	5			
Clay; blue	303-335 ft.	32			
Sand; gray	335-336 ft.	1			
Clay; blue	336-364 ft.	28			
Clay; gray	364-471 ft.	97			
Clay; blue	471-484 ft.	13			
Clay; gray	484-508 ft.	24			
Clay; sandy, gray	508-548 ft.	40			
Basalt; med. soft, gray	548-746 ft.	198			
Basalt; soft, gray	746-752 ft.	6			
Basalt; med. soft, gray	752-793 ft.	41			

Basalt; med. hard, gray	793-796 ft.	3			
Basalt; med. soft, gray	796-852 ft.	56			
Shale; gray	852-856 ft.	4			
Sandstone; gray	856-868 ft.	12			
Sand; coarse, dark gray	868-880 ft.	12	437	22	48

RECEIVED

LES BRIGHT WELL NO. 4-92
Graph of Geology Encountered

NOV 12 1992
WATER RESOURCES DEPT
SALEM, OREGON



Ronald F. McConnell, Owner,
 dba STEINMAN BROS. DRILLING CO.
 Oregon License No. 1
 Milwaukie, OR 97222-7172
 503-654-2890

RECEIVED

NOV 12 1992

WATER RESOURCES DEPT
 SALEM, OREGON

Domestic Water Well NO. 4-91
 Start Card #W-28094

LES BRIGHT

20802 S. Springwater Road
 Estacada, Oregon 97023

County: Clackamas

Township:3-S Range:3-E

W.M.

Well drilled: 2/11-3/4/92

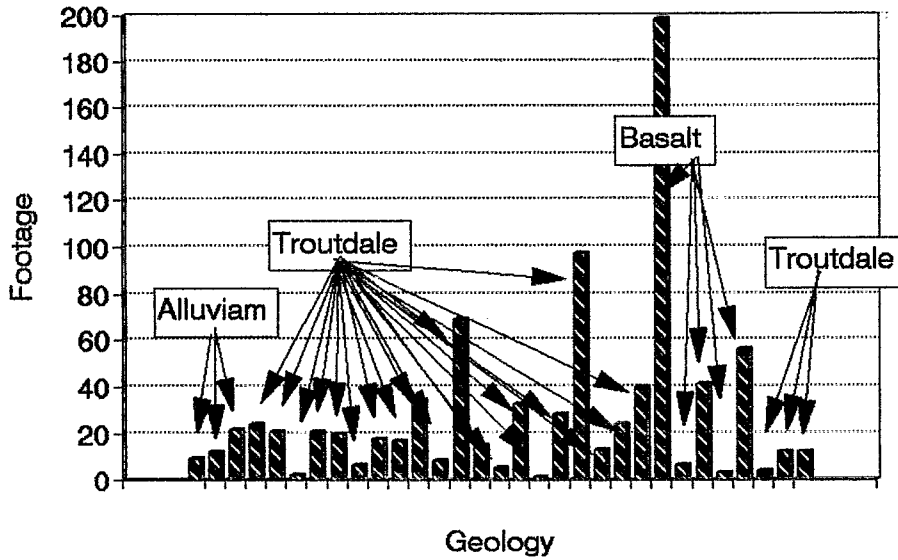
WELL GEOLOGY	DEPTH	THICKNESS	STATIC WATER LEVEL	YIELD: GAL/MIN	DRAW-DOWN
Clay; orange	0-9 ft.	9			
Clay; cobbles, brown	9-21 ft.	12			
Cemented gravel & cobbles	21-43 ft.	22			
Clay; brown	43-67 ft.	24			
Clay; gray	67-88 ft.	21			
Clay & gravel; gray	88-90 ft.	2			
Sandstone; gray	90-111 ft.	21			
Clay; brown	111-131 ft.	20			
Sandstone; brown	131-137 ft.	6			
Clay; brown	137-155 ft.	18			
Clay; gray	155-172 ft.	17			
Clay; sandy, gray	172-206 ft.	34			
Sand; fine, gray	206-214 ft.	8			
Clay; gray	214-283 ft.	69			
Sand; gray	283-298 ft.	15			
Clay; gray	298-303 ft.	5			
Clay; blue	303-335 ft.	32			
Sand; gray	335-336 ft.	1			
Clay; blue	336-364 ft.	28			
Clay; gray	364-471 ft.	97			
Clay; blue	471-484 ft.	13			
Clay; gray	484-508 ft.	24			
Clay; sandy, gray	508-548 ft.	40			
Basalt; med. soft, gray	548-746 ft.	198			
Basalt; soft, gray	746-752 ft.	6			
Basalt; med. soft, gray	752-793 ft.	41			

Basalt; med. hard, gray	793-796 ft.	3			
Basalt; med. soft, gray	796-852 ft.	56			
Shale; gray	852-856 ft.	4			
Sandstone; gray	856-868 ft.	12			
Sand; coarse, dark gray	868-880 ft.	12	437	22	48

RECEIVED

LES BRIGHT WELL NO. 4-92
Graph of Geology Encountered

NOV 12 1992
WATER RESOURCES DEPT
SALEM, OREGON



RECEIVED

NOV 12 1992

Ronald F. McConnell, Ron
Owner/constructor
STEINMAN BROS. DRILLING CO.
3023 SE Holly Ave.
Milwaukie, Oregon 97222

WATER RESOURCES DEPT.
SALEM, OREGON

October 11, 1992

Mr. Tom Paul
OREGON WATER RESOURCES DEPT.
3850 Portland Road NE
Salem, Oregon 97310

Dear Tom,

Enclosed is the amended well log for the Les Bright well. In reference to our telephone conversation, I have listed below the reason(s) for neglecting to record the cement seal at the lower area of the 6 inch well casing.

- A. In the preparation of the rough log from which my wife types the final log, I left out the lower cemented seal.
- B. In typing the final log my wife did not notice the second seal. Due to the fact that I do not drill in basalt strata very often, it is not normal for her to see two separate surface seals.

If you have any questions, please contact me. Thank you for your assistance in the matter.

Sincerely,



Ronald F. McConnell
Owner/constructor

enclosure: Amended well log (Les Bright SC# W-28094)

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

CLAC
17806

MAR 25 1992

3s/3e/13dc

(START CARD) # W-28094

(1) OWNER: Well Number: 4-92
 Name Les Bright
 Address 20802 S. Springwater Road
 City Estacada State OR Zip 97023

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

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

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Yes No
 Depth of Completed Well 880 ft.
 Explosives used Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10"	0	25	Bentonite	0	25	18 sacks
6"	25	880				

How was seal placed: Method A B C D E
 Other Bentonite
 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: 6"	+1	566	.250	<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) 566 feet

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
 Yield gal/min 22 gpm Drawdown 48 feet Drill stem at _____ Time 1 hr.

Temperature of water 52° 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 Clackamas Latitude _____ Longitude _____
 Township 3-S Nor S, Range 3-E E or W, WM.
 Section 13 SW 1/4 SE 1/4
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 20802 S. Springwater Road, Estacada, OR 97023

(10) STATIC WATER LEVEL:
437 ft. below land surface. Date 3/4/92
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 868 feet

From	To	Estimated Flow Rate	SWL
See attached.			
868 feet	880 feet	22 gal/min	437

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
See attached.			



Date started 2/11/92 Completed 3/4/92

(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 my best knowledge and belief.
 Ronald F. McConnell, dba WWC Number 1
 Signed STEINMAN BROS. DRILLING CO. 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 well construction standards. This report is true to the best of my knowledge and belief.
 Signed Ronald F. McConnell WWC Number One
 Date 3/10/92

Ronald F. McConnell, Owner,
 dba STEINMAN BROS. DRILLING CO.
 Oregon License No. 1
 Milwaukie, OR 97222-7172
 503-654-2890

MAR 25 1992

WATER RESOURCES DEPT.
 SALEM, O.

Domestic Water Well NO. 4-91
 Start Card #W-28094

LES BRIGHT
 20802 S. Springwater Road
 Estacada, Oregon 97023

County: Clackamas
 Township:3-S Range:3-E W.M.

Well drilled: 2/11-3/4/92

WELL GEOLOGY	DEPTH	THICKNESS	STATIC WATER LEVEL	YIELD: GAL/MIN	DRAW-DOWN
Clay; orange	0-9 ft.	9			
Clay; cobbles, brown	9-21 ft.	12			
Cemented gravel & cobbles	21-43 ft.	22			
Clay; brown	43-67 ft.	24			
Clay; gray	67-88 ft.	21			
Clay & gravel; gray	88-90 ft.	2			
Sandstone; gray	90-111 ft.	21			
Clay; brown	111-131 ft.	20			
Sandstone; brown	131-137 ft.	6			
Clay; brown	137-155 ft.	18			
Clay; gray	155-172 ft.	17			
Clay; sandy, gray	172-206 ft.	34			
Sand; fine, gray	206-214 ft.	8			
Clay; gray	214-283 ft.	69			
Sand; gray	283-298 ft.	15			
Clay; gray	298-303 ft.	5			
Clay; blue	303-335 ft.	32			
Sand; gray	335-336 ft.	1			
Clay; blue	336-364 ft.	28			
Clay; gray	364-471 ft.	97			
Clay; blue	471-484 ft.	13			
Clay; gray	484-508 ft.	24			
Clay; sandy, gray	508-548 ft.	40			
Basalt; med. soft, gray	548-746 ft.	198			
Basalt; soft, gray	746-752 ft.	6			
Basalt; med. soft, gray	752-793 ft.	41			

Basalt; med. hard, gray	793-796 ft.	3			
Basalt; med. soft, gray	796-852 ft.	56			
Shale; gray	852-856 ft.	4			
Sandstone; gray	856-868 ft.	12			
Sand; coarse, dark gray	868-880 ft.	12	437	22	48

LES BRIGHT WELL NO. 4-92
Graph of Geology Encountered

