

APPENDIX D
Well Logs

WELL NO. 3

RECEIVED
JUL 13 1959

OBSERVATION WELL

STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

UMAT
2974

State Well No. 4N/29-32L(1)
State Permit No. 1321

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

(1) OWNER:

Name City of Stanfield
Address Stanfield, Oregon

(2) LOCATION OF WELL:

County Umatilla Owner's number, if any
1/4 Section T. R. W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

16" Diam. from 0 ft. to 53 ft. Gage
12" Diam. from 0 ft. to 70 ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No

Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

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.

CONSTRUCTION:

Was well gravel packed? Yes No. Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? Yes No. To what depth? ft.
Material used in seal—
Did any strata contain unusable water? Yes No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 20 ft. below land surface Date 7-9-59
Artesian pressure lbs. per square inch Date

Log Accepted by:

(Signed) [Signature] Date July 11, 1959

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? -
Yield: 115 gal./min. with 230 ft. drawdown after 3 hrs.

Bailey test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well 12 inches.
Depth drilled 300 ft. Depth of completed well 300 ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Soil	0	2
Clay	2	23
Gravel	23	47
Shalley rock	47	53
Gray rock hard	53	87
Rock brown soft (water)	87	90
Sand brown	90	95
Boulders green hard	95	126
Gray rock	126	144
Boulders	144	150
Gray rock	150	205
Black rock	205	215
Boulders	215	237
Red rock	237	245
Boulders	245	267
Black rock medium	267	275
Gray boulders hard	275	286
Black rock medium	286	300

SEE DEEPENING 10-6-62

Work started 5-21 1959 Completed 7-9 1959

(13) PUMP:

Manufacturer's Name
Type: H.P.

Well Driller's Statement:

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

NAME Ben Drever Drilling Contractor
(Person, firm, or corporation) (Type or print)
Address Rt. Box 738B Pendleton, Ore.

Driller's well number

[Signed] Ben Drever (Well Driller) 12 7-10-59

License No. Date 19

WELL NO. 3

RECEIVED

OCT 26 1962 WATER WELL REPORT

UMAT
6507

4N/24-32 L(1)

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

Copy

STATE ENGINEER STATE OF OREGON

State Well No.

State Permit No. G-1321

(1) OWNER:

SALEM, OREGON

Name City of Stanfield

Address Stanfield, Oregon

(2) LOCATION OF WELL:

County _____ Owner's number, if any—
1/4 1/4 Section 32 T. R. W.M.

Bearing and distance from section or subdivision corner
Block 18

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

Threaded Welded

" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS:

Perforated? Yes No

Type of perforator used _____

SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(8) SCREENS:

Well screen installed Yes No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. Slot size _____ Set from _____ ft. to _____ ft.
Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:

Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Was a surface seal provided? Yes No To what depth? _____ ft.
Material used in seal—
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata 210
Method of sealing strata off _____

(10) WATER LEVELS:

Static level _____ ft. below land surface Date _____
Artesian pressure _____ lbs. per square inch Date _____

Log Accepted by:

[Signed] City of Stanfield Date 10-25, 1962
By Auth M. Bulmer
City Recorder

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? contractor
Yield: 200 gal./min. with 785 ft. drawdown after 3 hrs.
" " " "

Baller test gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well 12 inches.

Depth drilled 300 ft. Depth of completed well 701 ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gray rock medium	300	366
Black gray rock soft	366	401
Black rock medium	401	440
Gray rock hard	440	465
Black rock soft	465	488
Gray rock hard	488	504
Black rock medium	504	518
Black rock hard	518	538
Gray rock medium	538	687
Black rock soft	687	699
Gray rock hard	699	701

SEE DEEPENING 7-4-64

Work started 8/8 19 62 Completed 10/6 19 62

(13) PUMP:

Manufacturer's Name _____
Type: _____ H.P. _____

Well Driller's Statement:

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

NAME Ban Dreyer Drilling Contractor
(Person, firm, or corporation) (Type of print)
Address Rt. 1 Box 225 Hermiston, Oregon

Driller's well number _____

[Signed] _____ (Well Driller)

License No. 12 Date 10/8, 19 62

WELL NO. 3

UMAT
2972

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filled with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

NOV 27 1964

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 44-29-32 1 (1)
State Permit No. _____

(1) OWNER:

Name City of Stanfield
Address Stanfield Ore.

(2) LOCATION OF WELL:

County Umatilla Driller's well number _____
1/4 Section 32 T. 4 R. 29 W.M.
Bearing and distance from section or subdivision corner _____

TYPE OF WORK (check):

Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

Threaded Welded
8 " Diam. from 776 ft. to 714 ft. Gage 330
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used _____
Size of perforations in. by in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(8) SCREENS:

Well screen installed? Yes No
Manufacturer's Name _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:

Well seal—Material used in seal _____
Depth of seal _____ ft. Was a packer used? _____
Diameter of well bore to bottom of seal _____ in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No Top and bottom of
Was well gravel packed? Yes No. Size of gravel: liner
Gravel placed from _____ ft. to _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____

(10) WATER LEVELS:

Static level 162 ft. below land surface Date 7-15-64
Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? Contractor
Yield: 660 gal./min. with 20 ft. drawdown after 3 hrs.
" 540 " " 12 " " 3 "
" " " " " " " "
" " " " " " " "
Ballor test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date _____
Temperature of water 55 Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing 12
Depth drilled 778 ft. Depth of completed well 778 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Boulders hard gray	700	726
Sandy clay black	726	733
Rock gray medium	733	750
Boulders gray hard*	750	759
Rock black soft	759	774
Rock black medium	774	778

Work started 6-22-64 19 _____ Completed 7-14-64 19 _____
Date well drilling machine moved off of well 7-15-64 19 _____

(13) PUMP:

Manufacturer's Name _____
Type: _____ H.P. _____

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 Ben Dreyer Drilling Contractor
(Person, firm or corporation) (Type or print)

Address Rt. 1 Box 225 Hermiston, Oregon

Drilling Machine Operator's License No. 126

[Signed] Ben Dreyer
(Water Well Contractor)

Contractor's License No. 12 Date 7-15-64, 19 _____

WELL NO. 3

WATER WELL REPORT
STATE OF OREGON

UMAT
2957

RECEIVED

JUL 6 1982

State Well No. 4N/29E-3206

WATER RESOURCES DEPT
SALEM, OREGON

State Permit No. Recordation

(1) OWNER:

Name City of Starfield
Address _____
City Starfield State ORE

(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 Domestic Industrial Municipal
Rotary Mud Dug Irrigation Test Well Other
Cable Bored Thermal Withdrawal Reinjection

(4) PROPOSED USE (check):

CASING INSTALLED: Steel Plastic
NONE Threaded Welded

"Diam. from _____ ft. to _____ ft. Gauge _____
"Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

"Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No
Type of perforator used Mill Knife
Size of perforations 3 in. by 1/4 in.
6 Perforations from 123 ft. to 118 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? LANE Pump
_____ gal./min. with _____ ft. drawdown after _____ 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 _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in.
Diameter of well bore below seal _____ in.
Number of sacks of cement used in well seal _____ sacks
How was cement grout placed? _____
Was pump installed? _____ Type _____ HP _____ Depth _____ 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: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL: City Well #3

County Wasatch Driller's well number 221
NW 1/4 30 Section 32 T. 4N R. 29E W.M.
Tax Lot # _____ Lot _____ Blk _____ Subdivision _____

Address at well location: _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found _____ ft.
Static level 264 ft. below land surface. Date 6-24-82
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 12
Depth drilled _____ ft. Depth of completed well 776 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
Moved on Well to cement but cascading surface water. Perforated casing set cement plug and prepared cement to top of plug. Applied pressure with packers and drill stem. Let cement set for 3 days. Drilled out cement & plug. Cleaned out well to 776.			
Note: Believe there is a screen off pump balls still in bottom of well.			

Work started May 24 19 82 Completed June 24 82
Date well drilling machine moved off of well June 24 19 82

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] _____ Date June 19 82
(Drilling Machine Operator)
Drilling Machine Operator's License No. 153

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 Brown & Brown Drilling Co.
(Person, firm or corporation) (Type of print)
Address 10305 124, Necmister
[Signed] _____
(Water Well Contractor)
Contractor's License No. 728 Date June 25, 19 82

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

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

SP*12658-630

WELL NO. 4

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

WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310
within 30 days from the date
of well completion.

UMAT
2962

WATER WELL REPORT RECEIVED
STATE OF OREGON
(Please type or print)
(Do not write above this line)
JAN 18 1978
SALEM, OREGON

4N/29E-3266c

State Well No. _____
State Permit No. _____
WATER RESOURCES DEPT.

(1) OWNER:

Name CITY OF STANFIELD
Address STANFIELD, 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
Pneum. Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
12" Diam. from +1 ft. to -156 ft. Gage 250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? Yes No.

Type 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 _____ Model No. _____
Type _____ 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? FARMORE PUMP CO.
1227 gal./min. with 185 ft. drawdown after 4 hrs.
1000 " " " " " "
" " " " " "
Ballor test gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow g.p.m. _____
Temperature of water 69° Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used HEAT CEMENT
Well sealed from land surface to 157 ft.
Diameter of well bore to bottom of seal 16 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 80 sacks
How was cement grout placed? ONE CONTINUOUS POUR W/ PROFESSIONAL GROUT PUMP
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 UMATILLA Driller's well number 070-77
NW 1/4 NW 1/4 Section 32 T. 4N. R. 29 E. W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 290 ft.
Static level 290 ft. below land surface. Date 1-10-78
Artesian pressure NONE lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 12" TO 725 FT.
Depth drilled 1161 ft. Depth of completed well 1161 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
SAND	0	30	
GRAVEL	30	46	
BROKEN GRN. BASALT	46	145	
HARD GREY	145	217	
BROKEN IRON	217	226	
MED. GREY	226	290	
SOFT RED	290	345	WATER
HARD GREY	345	475	
MED. HARD GREY	475	612	
SOFT GREY	612	627	
MED. GREY	627	810	
SOFT GREY	817	817	WATER
MED. GREY	817	934	
SOFT GREY	934	950	
MED. HARD GREY	950	990	
VERY HARD	990	1013	
SOFT BROKEN GREY	1013	1054	WATER
MED. HARD	1054	1130	
SOFT RED	1130	1153	WATER
HARD GREY	1153	1161	

Work started 7-9 1977 Completed 7-29 1977
Date well drilling machine moved off of well 1-2 1978

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] Ed Wallace Date 1-10, 1978
(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 or print)

Address TEMPLETON, OREGON

[Signed] Ed Wallace
(Water Well Contractor)

Contractor's License No. 583 Date 1-10, 1978

WELL NO.5

UMAT 57155

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 108240

START CARD # 208746

(1) LAND OWNER Owner Well I.D. 5
First Name Last Name
Company City of Stanfield
Address 160 South Main Street
City Stanfield State OR Zip 97875

(2) TYPE OF WORK [X] New Well [] Deepening [] Conversion
[] Alteration (repair/recondition) [] Abandonment

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

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

(5) BORE HOLE CONSTRUCTION Special Standard [X] Attach copy
Depth of Completed Well 1,116 ft.

Table with columns: Dia, From, To, Material, SEAL, To, Amt, sacks/lbs. Rows include Cement, Bentonite, and Cement seals.

How was seal placed: Method [X] A [] B [X] C [] D [] E
[X] Other bentonite poured
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: [] Yes Type Amount

(6) CASING/LINER Table with columns: Casing, Liner, Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Includes handwritten notes like 'Cnc' and '18x16'.

Shoe [] Inside [X] Outside [] Other Location of shoe(s) 64
Temp casing [] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method factory mill cut
Screens Type V-wire wrap Material 304SS

Table with columns: Perf/S, Casing/Screen, Dia, From, To, Sem/slot width, Slot length, # of slots, Tel/pipe size. Includes rows for Perf, Screen, and another Screen.

(8) WELL TESTS: Minimum testing time is 1 hour
[P] Pump [] Bailer [] Air [] Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
1,500 20 24

Temperature 73 °F Lab analysis [] Yes By
Water quality concerns? [] Yes (describe below)
Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description)
County UMATILLA Twp 3 N N/S Range 29 E E/W WM
Sec 5 SE 1/4 of the SE 1/4 Tax Lot 1509
Tax Map Number 3N 29 05 Lot
Lat or DMS or DD
Long or DMS or DD
[] Street address of well [X] Nearest address

2115 S. Hwy 395, Stanfield, OR 97875

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Predeepening
Completed Well 02-21-2013 430
Flowing Artesian? [] Dry Hole? []

WATER BEARING ZONES Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Rows show data for various dates from 2012 to 2013.

(11) WELL LOG
Ground Elevation
Material From To
see attached formation log
RECEIVED BY OWRD
MAR 13 2013
SALEM, OR

Date Started 10-03-2012 Completed 02-21-2013

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, 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.

License Number 1367 Date 03-12-2013
Password: (if filing electronically)
Signed [Signature]

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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.

License Number 649 Date 03-12-2013
Password: (if filing electronically)
Signed [Signature]
Contact Info (optional)

WELL NO. 5

UMAT 57155

WATER SUPPLY WELL REPORT - continuation page

WELL I.D. # L 108240

START CARD # 208746

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL				sacks/
Dia	From	To	Material	From	To	Amt	lbs
15	1,114	1,116					

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Sl	Pstc	Wld	Thrd
	16		1,057	1,075	.375			X	
	16		1,100	1,114	.375			X	
	30		35	64	.375			X	

(7) PERFORATIONS/SCREENS

Perf/S	Casing/ Screen	Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ pipe size

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

Water Bearing Zones

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
NA	436	450	100		NA
NA	516	530	20		NA
NA	626	651	1,000		NA
NA	718	723	200		NA

(11) WELL LOG

Material	From	To

RECEIVED BY OWRD
MAR 13 2013
SALEM, OR

Comments/Remarks

There is a steel plate ring welded between the 24" and 20" casings at the top of the 24" casing.
Bore hole dimensions are nominal diameters.
Cement seal listed from 0'-89' is around outside of 24" casing. Other seals are around the 20" casing and between the 24" and 20" casings.

UMAT 57155

CITY OF STANFIELD Well No. 5 - Start Card #208746 by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	10	Soil, brown, silty
10	23	Silt, brown, some sandy, packed
23	31	Silt, pinkish brown to brown, cemented
31	32	Silt, brown & gravel, 3" minus
32	36	Gravel, 3" minus & silt, brown
36	45	Silt, brown & gravel, 1-1/2" minus w/some sand
45	48	Gravel, 2-1/2" minus, sandy, cemented
48	54	Silt, brown & gravel, 1" minus w/sand
54	58	Gravel, 3" minus, cemented, sandy
58	60	Gravel, 3" minus & clay, brown, soft
60	65	Gravel, 3" minus, sandy, cemented & some clay
65	75	Basalt, grey & brown, medium, broken & some clay
75	76	Clay, light yellow, sandy, soft
76	79	Basalt, grey & brown, medium, broken
79	97	Basalt, grey & brown, medium-hard, fractured
97	128	Basalt, grey w/ brown, medium, fractured
128	134	Basalt, grey, medium w/claystone, green, medium-soft
134	135	Basalt, grey & some brown, w/some claystone, green, medium-soft
135	144	Basalt, grey medium w/claystone, green, medium-soft & some cinders, red, medium
144	147	Basalt, grey, medium & some claystone, green, medium-soft & some cinders, red, medium
147	152	Basalt, grey, medium-soft, fractured w/claystone, brown-yellow, soft & cinders, red, medium
152	172	Cinders, red, medium-soft w/claystone, brown-yellow, soft & some basalt, grey
172	176	Basalt, grey, medium, fractured w/cinders, red & some claystone, brown-yellow, soft-medium, fractured
176	177	Cinders, red, medium w/claystone, brown-yellow, soft
177	184	Basalt, grey-black, medium, fractured w/some cinders, red
184	270	Basalt, black, hard, some fractures
270	290	Basalt, black, medium, some vesicular w/cinders, red, soft & claystone, blue-green, soft
290	300	Basalt, black & red, medium-hard, some fractures
300	316	Basalt, black & red, medium, fractured w/claystone, green, soft
316	357	Basalt, black, medium-hard, some fractures & vesicles
357	372	Basalt, black, hard, some fractures
372	413	Basalt, black, medium, some vesicles & fractures w/some claystone, green, medium
413	417	Basalt, black, medium, some fractures & vesicles
417	436	Basalt, black-grey, hard, some fractures
436	450	Basalt, black w/grey, medium, fractured w/vesicles & claystone, green, medium-soft
450	460	Basalt, black, hard, some fractures
460	496	Basalt, black-grey, medium, w/fractures & some vesicles
496	530	Basalt, black, medium, w/fractures, some vesicular w/some claystone, green, medium
530	626	Basalt, grey, hard, some fractures
626	651	Basalt, grey, medium, some fractures w/claystone, green-grey, medium & some pyrite
651	652	Basalt, grey, medium, some vesicles
652	671	Basalt, grey, hard some fractures

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SALEM, OR

UMAT 57155

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
671	680	Basalt, grey, medium-hard, fractured, some vesicles & pyrite
680	685	Basalt, grey, hard, some fractures & some claystone & pyrite
685	690	Basalt, grey, hard w/some pyrite
690	700	Basalt, grey, medium-hard, fractured, some vesicles
700	718	Basalt, grey, hard, some fractures
718	723	Basalt, grey, medium, fractured, some vesicles w/claystone, green, medium & some pyrite
723	747	Basalt, grey & some brown, medium-hard, fractured, some vesicles w/some claystone, green, medium & some pyrite
747	753	Basalt, grey, medium-hard, fractured w/some claystone, blue, medium & some pyrite
753	781	Basalt, grey, hard, fractured
781	785	Basalt, grey, hard, fractured w/some claystone, blue, medium
785	800	Basalt, grey, medium, fractured w/some vesicles
800	825	Basalt, grey, hard, fractured
825	826	Basalt, grey & brown, medium-hard, fractured, vesicular w/some claystone, grey, medium
826	828	Basalt, grey, very hard, fractured w/claystone, grey, medium
828	830	Basalt, grey, hard, fractured w/claystone, green, medium
830	835	Basalt, grey, very hard, some fractures
835	862	Basalt, grey, hard, some fractures
862	877	Basalt, grey, medium-hard, fractured, some vesicles & pyrite
877	892	Basalt, grey, medium-hard, fractured, some vesicles w/some claystone, green, medium
892	902	Basalt, grey, medium, fractured, some vesicles & claystone, blue-green, medium & some pyrite
902	904	Basalt, brown, medium, fractured, vesicular
904	909	Basalt, grey, medium-hard, fractured & claystone, blue-green, medium
909	925	Basalt, grey, hard, fractured
925	945	Basalt, dark grey, medium-soft, fractured, some vesicles & occasional claystone, green, soft
945	954	Basalt, grey, hard, some fractures
954	980	Basalt, black, medium-soft, fractured, some vesicles & claystone, green
980	1040	Basalt, dark grey, medium, fractured & some claystone, blue, medium
1040	1055	Basalt, dark grey, soft-medium, fractured, broken, vesicular & some claystone, blue-green, medium
1055	1060	Basalt, dark grey, medium, fractured, some vesicles & occasional claystone, blue-green, hard
1060	1078	Basalt, dark grey, hard, some fractures
1078	1096	Basalt, dark grey & reddish brown, medium-soft, fractured, broken, some vesicles
1096	1111	Basalt, grey, medium-hard, some fractures
1111	1116	Basalt, grey, hard, occasional fracture

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SALEM, OR

PILOT WELL RECEIVED

L 02 328

STATE OF OREGON WATER SUPPLY WELL REPORT

UMAT 50189

JUL 31 1996

(START CARD) # 76386

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

WATER RESOURCES DEPT.

SALEM, OREGON

(1) OWNER: Name Pilot Travel Center, Well Number, Address 2115 Highway 395, City Stanfield, State OR, Zip 97

(9) LOCATION OF WELL by legal description: County Umatilla, Latitude, Longitude, Township 3 N or S Range 29 E or W. WM, Section 5 SE 1/4 SE 1/4, Tax Lot 2902, Lot, Block, Subdivision, Street Address of Well

(2) TYPE OF WORK: [X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(10) STATIC WATER LEVEL: 418 ft. below land surface. Date 7-10-96, Artesian pressure, lb. per square inch., Date

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

(11) WATER BEARING ZONES: Depth at which water was first found 56

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

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No, Depth of Completed Well 740 ft., Explosives used [] Yes [X] No, Type, Amount

Table with 4 columns: From, To, Estimated Flow Rate, SWL. Rows show data from 56 to 718 ft depth.

Table with 4 columns: Diameter, From, To, Material, From, To, Sacks or pounds. Rows show seal data from 8 to 740 ft.

How was seal placed: Method [] A [X] B [] C [] D [] E, [] Other

(12) WELL LOG: Ground Elevation

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

Well log table with columns: Material, From, To, SWL. Lists materials like Silt, Cemented gravel, Red Clay, etc.

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for Casing and Liner.

Final location of shoe(s) 480 - 6"

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Material, Casing, Liner.

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

Table for well tests with columns: Yield gal/min, Drawdown, Drill stem at, Time. Values: 200, 740, 1 hr.

Date started 6-12-96 Completed 7-10-96

Temperature of water 56°, Depth Artesian Flow Found, Was a water analysis done? [] Yes [] No, Did any strata contain water not suitable for intended use? [] Too little, [] Salty [] Muddy [] Odor [] Colored [] Other, Depth of strata

(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 759, Signed, Date 7-14-96