POA 1 - WELL No. 3

WATER WELL REPORT
STATE OF OREGON

UMAT 2957

RECEIVED
JUL 6 1982
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 4N/29E-32cb
State Permit No.
Reconditioned

(1) OWNER:
Name City of Stanfield
Address
City Stanfield 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 ☐
Rotary Mud ☐ Dug ☐
Cable ☒ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐
Thermal: ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☐ Plastic ☐
Threaded ☐ Welded ☐
NONE
" 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 Perf Perfect 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 drawdown after hrs.
gal./min. with 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 Umatilla Driller's well number 2021
NW ¼ SW ¼ 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 Cut Cascading surface Water. Perforated casing Set Cement Plug and Reamed 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 bowls sitting bottom of well.			

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MAY 20 2013
WATER RESOURCES DEPT
SALEM, OREGON

Work started May 29 19 82 Completed June 24 19 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] (Drilling Machine Operator) Date June 25 19 82
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 E. Brown Drilling Co. (Person, firm or corporation) (Type or print) Brown & Brown
Address P.O. Box 124, Hermiston Or
[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.

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SP*12658-690

POA 2 - 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/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other _____

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

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
30	0	64	Cement	0	89	159	S
28	64	89	Bentonite	0	10	7	S
24	89	905	Cement	10	905	2,161	S
20	905	1,114					

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

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	24	X	1	89	.375	●	○	X	
●	○	20	X	2	905	.375	●	○	X	
○	●	18		893	897	.375	●	○	X	
Conc.	Pad	18X16		897	898	std	●	○	X	
○	●	16		898	1,037	.375	●	○	X	

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

Perf/Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Perf	Liner	16	926	946	.187	3	1,280	
Perf	Liner	16	955	975	.187	3	1,280	
Screen		16	1,037	1,057	.15			PS
Screen		16	1,075	1,100	.15			PS

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

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 (●) 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 Depth water was first found 51

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
02-21-2013	925	1,100	2,000			430
10-10-2012	51	58	10			51
10-25-2012	97	128	5			75
11-05-2012	270	290	100			219
	372	417	100			

(11) WELL LOG
Ground Elevation _____

Material	From	To
see attached formation log		

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SALEM, OR
MAY 20 2013
WATER RESOURCES DEPT
SALEM, OREGON

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 _____

(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 _____
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK
Form Version: 0.89

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WATER SUPPLY WELL REPORT - continuation page

WELL I.D. # L 108240

START CARD # 208746

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To
15	1,114	1,116

SEAL Material	From	To	Amt	sacks/ lbs

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
○	◉	16	☐	1,057	1,075	.375	◉	○	☒	☐
○	◉	16	☐	1,100	1,114	.375	◉	○	☒	☐
○	◉		☐				○	○	☐	☐
◉	○	30	☐	35	64	.375	◉	○	☒	☐
○	○		☐				○	○	☐	☐

(7) PERFORATIONS/SCREENS

Perf/Screen	Casing/Liner	Screen Dia	From	To	Scrn/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		☐	NM
NA	516	530	20		☐	NM
NA	626	651	1,000		☐	NM
NA	718	723	200		☐	NM

(11) WELL LOG

Material	From	To

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

FM	TO	DESCRIPTION
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 vesicules & fractures w/some claystone, green, medium
413	417	Basalt, black, medium, some fractures & vesicules
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 fract ures w/claystone, green-grey, medium & some pyrite
651	652	Basalt, grey, medium, some vesicules
652	671	Basalt, grey, hard some fractures

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UMAT 57155

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

FM	TO	DESCRIPTION
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-greeen, 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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