

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application LL-1973
Date: June 21, 2024

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Stacey Garrison reviewed the application. Please see Stacey's Groundwater Review and the Well Reports.

Applicant's Well #3 (POLK 52307): Based on a review of the Well Report, Applicant's Well #3 seems to protect the groundwater resource.

The construction of Well #3 may not satisfy hydraulic connection issues.

Applicant's Well #4 (POLK 54296): Based on a review of the Well Report, Applicant's Well #4 seems to protect the groundwater resource.

The construction of Well #4 may not satisfy hydraulic connection issues.

STATE OF OREGON
WATER SUPPLY WELL REPORT

WELL I.D. # L 68852
START CARD # 161380

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

(1) LAND OWNER Well Number WELL #3
Name CITY OF INDEPENDENCE
Address 240 MONMOUTH ST.
City INDEPENDENCE State OR. Zip 97351

(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 Municipal

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 52 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
16"	0' 52'	CEMENT	0' 20'	21	SACKS

How was seal placed: Method A B C D E
 Other

Backfill placed from 42 ft. to 52 ft. Material 3/8 PEA GRAN.
Gravel placed from 20 ft. to 22 ft. Size of gravel PEA GRAN.

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
12"	0'	22'	.250"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12"	42'	52'	.250"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Liner: _____

Drive Shoe used Inside Outside None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type V-SLOT Material 304 SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
22'	32'	100		12"	PS	<input type="checkbox"/>	<input type="checkbox"/>
32'	42'	60		12"	PS	<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
400	10.5'		5 hrs
810	9.83'		3

Temperature of water 56° Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom WATERLAB
Did any strata contain water not suitable for intended use? _____
 Salty Muddy Odor Colored Other _____
Depth of strata _____

(9) LOCATION OF WELL by legal description:
County POLK Latitude _____ Longitude _____
Township 8S N or S Range 4W E or W. WM. _____
Section 21 NW 1/4 SE 1/4 _____
Tax Lot 100 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) IN WELL FIELD east of JUNCTION OF POLK ST & S. RIVER DR. 200' S. OF #2 WELL

(10) STATIC WATER LEVEL:
14'-8" ft. below land surface. Date 02-15-06
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 19'

From	To	Estimated Flow Rate	SWL
22'	42'	800+ GPM	14.67'

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Brown clay	0'	7'	
Brown sandy clay	7'	19'	
Gravel, small med w/some coarse br. sand - W.B.	19'	39'	14.8
Gravel w/ fine sand - brown	39'	41'	14.8
Brown sand w/small gravel	41'	43'	
Small gravel w/ black sand and wood	43'	44'	
Black fine medium coarse sand w/ small gravel + wood	44'	50'	
Blue clay w/ gravel	50'	52'	

Date started Nov. 23, '05 Completed FEB. 20, 2006

(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 6333
Signed Michael Waldrop Date FEB. 28, 06

RECEIVED

MAR 14 2006

OVER THE COUNTER

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

WELL I.D. LABEL# 131610
 START CARD # 1043407
 ORIGINAL LOG #

(1) **LAND OWNER** Owner Well I.D. 6015
 First Name _____ Last Name _____
 Company City of Independence _____
 Address 555 S. Main St. _____
 City Independence State OR Zip 97351

(2) **TYPE OF WORK** New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) **PRE-ALTERATION**
 Dia + From To Gauge Stil Plstc Wld Thrd
 Casing: _____
 Material From To Amt sacks/lbs
 Seal: _____

(3) **DRILL METHOD**
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other _____

(4) **PROPOSED USE** Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) **BORE HOLE CONSTRUCTION** Special Standard (Attach copy)
 Depth of Completed Well 63.5 ft.
BORE HOLE Dia From To Material SEAL Amt sacks/lbs

16	0	64	Cement	7	25	37	S
						Calculated	9.1
			Bentonite	0	7	8	S
						Calculated	5.5

How was seal placed: Method A B C D E
 Other Poured dry
 Backfill placed from 15 ft. to 27 ft. Material fine sand
 Filter pack from 27 ft. to 63.5 ft. Material wash round Size 3/8"
 Explosives used: Yes Type _____ Amount _____

(5a) **ABANDONMENT USING UNHYDRATED BENTONITE**
 Proposed Amount Pounds Actual Amount Pounds

(6) **CASING/LINER**
 Casing Liner Dia + From To Gauge Stil Plstc Wld Thrd

12	3	32	250				
12	52	63.5	250				

 Shoe Inside Outside Other Location of shoe(s) _____
 Temp casing Yes Dia 16 From 0 To 60

(7) **PERFORATIONS/SCREENS**
 Perforations Method
 Screens Type Wrap rib Material stainless

Perf/Sreen	Casing/Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/pipe size
Screen		12	32	52	.1			

(8) **WELL TESTS: Minimum testing time is 1 hour**
 Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
600	11	54	4

 Temperature 62 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount 236

From	To	Description	Amount	Units

(9) **LOCATION OF WELL (legal description)**
 County POLK Twp 8 S N/S Range 4 W E/W WM
 Sec 21 NE 1/4 of the NE 1/4 Tax Lot 2009
 Tax Map Number _____ Lot _____
 Lat _____ or _____ DMS or DD
 Long _____ or _____ DMS or DD
 Street address of well Nearest address
 End of Deanne Dr. - Lebanon, OR 97302

(10) **STATIC WATER LEVEL**

Existing Well / Pre-Alteration	Date	SWL(psi)	+ SWL(ft)
Completed Well	07-11-2019		19.5

 Flowing Artesian? Dry Hole?
WATER BEARING ZONES Depth water was first found 25

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
07-11-2019	25	52	800		19.5

(11) **WELL LOG** Ground Elevation _____

Material	From	To
Top Soil	0	2
Brown clay	2	5
Brown silty clay	5	20
Brown dirty gravel	20	52
Brown clay	52	56
Blue clay	56	64

 RECEIVED
 AUG 27 2019
 OWED
JONES DRILLING CO., INC.
 29400 SANTIAM HWY.
 LEBANON, OR 97355
 541-367-2560 541-451-2686
 1-800-915-8388

Date Started 06-24-2019 Completed 07-11-2019
(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 1411 Date 07-26-2019
 Signed Kurt Martin
(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 1684 Date 07-26-2019
 Signed _____
 Contact Info (optional) _____