Approved:

## **MEMO**

**To:** Kristopher Byrd, Well Construction Manager

From: Tommy Laird, Well Construction Program Coordinator

**Subject:** Review of Water Right Application G-19455

**Date:** May 13, 2025

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

Applicant's Well #1 (MARI 6957): Based on a review of the Well Report, Well 1 does not appear to comply with current minimum well construction standards (See OAR 690 Division 210). As indicated on the Well Report, the seal was placed with an unapproved seal placement method. Additionally, the well head is indicated as being flush with land surface. In order to meet minimum construction standards, the well must be resealed with an approved grout and the well head must be at least one foot above land surface.

My recommendation is that the Department not issue a permit for Well 1 unless it is brought into compliance with current minimum well construction standards or information is provided showing that it is constructed to meet current minimum well construction standards.

The repair of Well 1 may not satisfy hydraulic connection issues.

Applicant's Well #2 and Applicant's Well #3 (Proposed): Well #2 and Well #3 are proposed wells, therefore they cannot be reviewed for construction. Construction of these proposed wells shall be completed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240. During construction of these wells, specific attention should be paid to ensure sealing requirements are met and that the wells do not commingle aquifers.

The construction of proposed Well #2 and Well #3 may not satisfy hydraulic connection issues.

NOTICE TO WATER WELL CONTROL TOR  The original and first copy of the reports  are to be filed with the	L REPORT	M	1	11
WATER RESOURCES DEPARTMENT, 171978 STATE OF	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	15/0	Zw.	-//
SALEM, OREGON 97310 SALEM, OREGON 97310			****************	************
SALEM, OREGON 97310 RESOURCES DEPTPlease type within 30 days from the RESOURCES DEPTPlease type	State Permit N	o		***************************************
of well completion. SALEM. OREGON (Do not write ab	love talls late (6957)			-
(1) OWNED.	(10) LOCATION OF WELL:	· · · · · · · · · · · · · · · · · · ·		
(1) OWNER:				
Name Jerry Neff	County Marion Driller's well number 2179			
Address 8325 Lardon Rd. NE	14 Section 11 T. 7S R. 2W W.M.			
Salem, Oregon 97303	Bearing and distance from section or subdivision	on corner	r	
(2) TYPE OF WORK (check):				
New Well ⊠ Deepening □ Reconditioning □ Abandon □			,	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	70			
Rotary M Driven II				10/78
Cable	Static level 46 ft. below land surface. Date 9/19/78			
Dug   Bored   Irrigation K Test Well   Other	Artesian pressure lbs. per square inch. Date			
CASING INSTALLED: Threaded   Welded W	(19) WELL LOC.			
"Diam from top ft to 141 ft Gage \$250	(12) WELL LOG: Diameter of well below casing			
"Diam. fromft. toft. Gage	Depth drilled 141 ft. Depth of completed well 141 ft.			
" Diam. from	Formation: Describe color, texture, grain size a	and struc	ture of r	naterials;
	and show thickness and nature of each stratuments with at least one entry for each change of format	ion. Repo	ort each	hange in
PERFORATIONS: Perforated?  Yes XNo.	position of Static Water Level and indicate prin	cipal wat	er-bearin	ıg strata.
Type of perforator used	MATERIAL	From	То	swL
Size of perforations in. by in.	Topsoil	0	2	***************************************
perforations fromft, toft.	Brown Clay	2	24	
perforations fromft, toft.	Blue-Gray Clay	24	35	
perforations fromft. toft.	Brown Clay	35	53	
	Brown Sandy Clay	53	61	
(7) SCREENS: Well screen installed?   Yes X No	Brown Clav	61	67	
Manufacturer's Name	Gray Clay	67	70	
Type Model No	Cemented Black Sand and			
Diam. Slot size ft. to ft.	Gravel, Blue Clay	70	76	
Diam. Slot size Set from ft. to ft.	Dark Brown Sand and Grave			
(8) WELL TESTS: Drawdown is amount water level is	Brown Clay	76	79	
lowered below static level	Brown Sand and Gravel,			
Was a pump test made?  Yes XNo If yes, by whom?	with some small boulde		141	<del></del>
Yield: gal./min. with ft. drawdown after hrs.	Blue_Clay	141	???	<del></del>
test 150 GPM for a period of 1 hour				
" " " "				
Bailer test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m.				
	0/10/70	0/10	170	
perature of water Depth artesian flow encountered ft.	Work started $9/18/78$ 19 Complete			19
(9) CONSTRUCTION:	Date well drilling machine moved off of well	9/19	1/18	19
Well seal—Material used Cement	Drilling Machine Operator's Certification:			
Well sealed from land surface to 20 ft.	This well was constructed under my			
Diameter of well bore to bottom of sealin.	Materials used and information reported   best knowledge and belief.	above a	are true	to my
Diameter of well bore below seal		Data 9/	19/7	810
Number of sacks of cement used in well seal8sacks	(Drilling Machine Operator)	Date 2.2		.7 19
How was cement grout placed? Poured in from the top	Drilling Machine Operator's License No	/54	*************	***********
		-	: -: -: -:	
	Water Well Contractor's Certification:			
	This well was drilled under my jurisdiction and this report is			
Was a drive shoe used? 🔀 Yes 🗆 No Plugs Size: location ft.	true to the best of my knowledge and belief. Name Willamette Drilling Co.			
Did any strata contain unusable water? 🗌 Yes 🛣 No	(Person, firm or corporation)		pe or pri	119730
Type of water? depth of strata	Address 1450 Barnick Rd. NE			
Method of sealing strata off				
	[Signed] Oallos T. Day		***********	*****
Was well gravel packed?  Yes No Size of gravel:	(Water Well Contr.	-	0.770	
Gravel placed from ft. to ft.	Contractor's License No. 561 Date	7/1	9/78	., 19

CTOR V L WATER WELL REPORT

NOTICE TO WATER WELL CONTRE The original and first copy with the are to be filed with the