Approved: Market

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To:	Kristopher Byrd, Well Construction Manager		
From:	Tommy Laird, Well Construction Program Coordinator		
Subject:	Review of Water Right Application G-19285		
Date:	October 23, 2024		

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Travis Brown reviewed the application. Please see Travis' Groundwater Review and the Well Report.

Applicant's Well #W1 (YAMH 6500): Based on a review of the Well Report, Well #W1 does not appear to comply with current minimum well construction standards (See OAR 690 Division 210). The problem is that the Well Report does not indicate the amount of grout used in the well seal and 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 extended so that it is at least one-foot above land surface.

My recommendation is that the Department not issue a permit for Well #W1 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 construction of Well #1 may not satisfy hydraulic connection issues.

Applicant's Well #W2 through Well #W9 (Proposed): Well #W2 through Well #W9 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 #W2 through Well #W9 may not satisfy hydraulic connection issues.

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STATE ENGINEER, SALEM, OREGON 97310 FEB 21 ISTATE O	ELL REPORT VAMH F OREGON 6500 State Well No. 5 State Permit No.		-16
(1) OWNER: SALEM OREGON	(11) WELL TESTS: Drawdown is amount	water leve	el is
Name Robert Shelburne	Iowered below static ie	evel	llor
Address RT / BX 75	Was a pump test made? Yes I No If yes, by whom Yield: 200 gal./min. with 60 ft. drawdow		<u>ner</u>
Day ron, Ore.	" " " "	vii aiter	<u>5 hrs.</u> "
(2) LOCATION OF WELL:	<i>" " " "</i>		
Van hill Id	Bailer test gal./min. with ft. drawdown after hrs.		
County 400 01 / Driller's well number 60	Artesian flow g.p.m. Date		
$\frac{1}{4}$ $\frac{1}{4}$ Section 16 T. 5 R. 5 $\frac{1}{10}$ W.M.	Temperature of water Was a chemical analysis made? 🗌 Yes 🖻 No		
Bearing and distance from section or subdivision corner	(12) WELL LOG: Diameter of well below casing		
	211		<u>.</u>
	Depth drilled /4 ft. Depth of completed we		<u>ft.</u>
	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of stratum penetrated, with at least <u>one</u> entry for each c	the materi	cture, and al in each
	stratam penetrated, with at least one entry for each c	nange of	Jormation.
(3) TYPE OF WORK (check):	MATERIAL	FROM	TO
	10P 5011	0	
Now Well Deepening Reconditioning Abandon bandon ba	Brown Clay		25
	BIDE CIGY	25	<u>74</u> 47
(4) PROPOSED USE (check): (5) TYPE OF WELL:	Hlack Sand	47	67
Domestic 🗹 Industrial 🗌 Municipal 🔲 Rotary 🗌 Driven 🗌	Blue Clay	67	74
Irrigation Test Well Other Cable Jetted Jetted Jetted			
(6) CASING INSTALLED: Threaded University Welded	······································		
8			<u></u>
ft. to ft. Gage			
(7) PERFORATIONS: Perforated?	·····		
Type of perforator used Torch			
Size of performations ////		<u> </u>	
$\frac{5126}{60} \text{ perforations } 124 \text{ in. by } 126 \text{ in.}$			
perforations from ft. to ft.			
perforations from			
perforations from ft. to ft.	······································		
perforations from ft. to ft.			
(9) SCREENS.			
			· · · · · · · · · · · · · · · · · · ·
Manufacturer's Name			···
Model No			
Norm. Slot size Set from ft. to ft.	Work started 1 - 15 1967 Completed 2	-15	1967
Diam Slot size Set from ft. to ft.	Date well drilling machine moved off of well $2 - 1$	5	1967
(9) CONSTRUCTION:	(13) PUMP:	<u> </u>	
Well seal-Material used in seal BenToniTe			
Depth of seal	Manufacturer's Name		
	Туре:		
Diameter of well bore to bottom of seal in. Were any loose strata cemented off? Yes No Depth	Water Well Contractor's Certification:		
Was a drive shoe used? \Box Yes \Box No Size of gravel: 34	This well was drilled under my jurisdiction a true to the best of my knowledge and belief.	and this i	report is
Gravel placed from			
Did any strata contain unusable water? Ves No	NAME Bloe Water Drill (Person, firm or corporation) (Typ)	· ng	60.
	Address RT1 13X 25 Day To	be or prmt)	7~~
Type of water? depth of strata Method of sealing strata off 1			<u> </u>
Drilling Machine Operator's Liconso No. 337			
(10) WATER LEVELS: <u>Static level</u> 5 ft. below land surface Date 2-15-67 [Signed] <u>Robert Shill better</u> (Water Well Contractor)			
Static level 5 ft. below land surface Date 2-15-67	[Signed] (Water Well Contractor)	ANCT	
Artesian pressure lbs. per square inch Date	Contractor's License No. 417 Date 2-	19	10/ 7
	EETS IF NEČESSARY)	·····	., 10m