

Approved:



# MEMO

**To:** Kristopher Byrd, Well Construction Manager  
**From:** Tommy Laird, Well Construction Program Coordinator  
**Subject:** Review of Water Right Application G-19324  
**Date:** February 10, 2025

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

Applicant's Well #1 (UMAT 50069): 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). The problem is that the Water Supply Well Report indicates that "formation cave in" material was used in the seal interval between the upper and lower seal from 90 ft bgs to 262 ft bgs. This material does not meet standards and no special standards were issued to allow this material to be used. In order to meet minimum construction standards, the well must be resealed with an approved grout.

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 construction of Well #1 may not satisfy hydraulic connection issues.

UMAT 50069

MAR - 7 1996

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

(START CARD) # w-67913

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

SALEM, OREGON

(1) OWNER: Name MILTON FREEWATER CEM. DIST. Well Number

Address P O BOX 218 City Milton Freewater State Or Zip 97862

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

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

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

(5) BORE HOLE CONSTRUCTION: Special Construction approval [ ] Yes [x] No Depth of Completed Well 706 ft. Explosives used [ ] Yes [x] No Type Amount

Table with columns: Diameter, From, To, Material, From, To, Sacks or pounds. Rows show cement placement details.

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E [ ] Other tremmepipe Backfill placed from 90 ft. to 262 ft. Material formation Gravel placed from ft. to ft. Size of gravel

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

Final location of shoe(s) 6" @ 360 & 630

Table for (7) PERFORATIONS/SCREENS with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row for 400 to 620 with 3500 slots.

(8) WELL TESTS: Minimum testing time is 1 hour. [ ] Pump [ ] Bailer [x] Air [ ] Artesian. Yield gal/min 150, Drawdown, Drill stem at 300, Time 1 hr.

Temperature of water 68 Depth Artesian Flow Found Was a water analysis done? [ ] Yes By whom Did any strata contain water not suitable for intended use? [ ] Too little [ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Umatilla Latitude Longitude Township 5n N or S Range 35e E or W. WM. Section 12 ne 1/4 ne 1/4 Tax Lot Lot Block Subdivision Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL: 356 ft. below land surface. 2/11/96 Date 2/11/96 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 385

Table with columns: From, To, Estimated Flow Rate, SWL. Rows show water bearing zones at depths 385, 413, 441, and 612.

(12) WELL LOG: Ground Elevation

Large table for well log with columns: Material, From, To, SWL. Content: see attached sheet.

Date started Completed 2-11-96

(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. Signed TONY BOWMAN WWC Number 1683 Date 2-11-96

(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. Signed Gay Bund WWC Number 544 Date 2-11-96

DATE	FROM	TO	FORMATION	COMMENTS	SWL	GPM
Jul 13, 1995	0	11	SOIL			
	11	21	1' GRAVEL			
	21	46	BROWN CLAY			
	46	56	2' ROCK & BROWN CLAY			
	56	61	RED & BROWN CLAY			
Jul 20, 1995	61	116	BROWN CLAY & GRAVEL	CAVED IN TO 110 83' OF 12" CASING		
Jul 24, 1995	116	120	GRAY CLAY & GRAVEL	STANDING OPEN TO 122'		
Jul 25, 1995	120	126	BROWN CLAY & GRAVEL			
Jul 25, 1995	126	130	BLACK BASALT			
Jul 31, 1995	130	145	BLACK BASALT			
	145	152	BROWN BASALT	SOFT		
	152	187	BROKEN BROWN BASALT			
	187	197	BLACK BASALT	SCORIA		
	197	222	BLACK BASALT			
	222	240	BROWN BASALT			
	240	250	BLACK BASALT			
8/1-8/3				REPAIR RIG		
Aug 4, 1995	250	280	BLACK BASALT	SOFT		
Aug 7, 1995	280	315	BLACK BASALT	SOFT		
	POSSIBLE PROBLEM @ 207					
	315	349	GRAY BASALT			
Aug 8, 1995	349	355	BROWN BASALT	SOFT		346
Aug 14, 1995	355	368	BLACK BASALT	CEMENT IN 8" FROM 262 TO 368		
	READY MIX M 22074					
	368	372	BLACK BASALT			
	372	376	BLACK BASALT	SCORIA		
Aug 16, 1995	376	385	BLACK BASALT			
	385	389	BLACK BASALT	BROKEN		
	389	404	BLACK BASALT			18
	404	408	RED BASALT	SOFT		
	408	413	BLACK SCORIA & GREEN CLAY STONE			
	413	424	BLACK BASALT			35
	424	438	BLACK BASALT	CAVING	68 F.	75
	438	441	BLACK BASALT			
	441	479	BLACK BASALT	BROKEN, CAVING		H20
	479	523	BLACK BASALT			H20
Aug 17, 1995	BRIDGE 381' TO 390', OPEN BELOW CEMENT FROM 390' TO VARIOUS LEVELS, 8 TIMES					
Jan 21, 1996	523	594	BLACK BASALT			
	594	598	BLACK BASALT			
	598	612	BLACK	HARD		
	612	616	BLACK	SOFT	POSSIBLE H20	
	616	630	BLACK	HARD		
	630	690	BLACK	BROKEN	POSSIBLE H20	
	690	706	BLACK			

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WATER RESOURCES DEPT.  
SALEM, OREGON