Amended 3/2/2022

MORR 52638

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

WELL I.D. LABEL# L L134388
START CARD # 1050324
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name Port of Morrow Last Name
Company Port of Morrow
Address 2 Marine dr
City Boardman State OR Zip 97818

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

(2a) PRE-ALTERATION
	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD
[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[X] Reverse Rotary [ ] Other

(4) PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Community
[X] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] (Attach copy)
Depth of Completed Well 1303 ft.

BORE HOLE

Dia	From	To
36	0	20
24	20	460
20.5	460	990
14.75	990	1303

SEAL

Material	From	To	Amt	sacks/lbs
Cement	500	985	15.2	
		Calculated		
Cement	0	500	32.3	
		Calculated		

How was seal placed: Method [X] A [ ] B [X] C [ ] D [ ] E
[ ] Other A-985-500 C- 500-0
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount P Actual Amount P

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	30		0	20	.500	●	○	X	
●	○	16		0	985	.375	●	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)
Temp casing [ ] Yes Dia From + To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material

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
(●) Pump ( ) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
700	390	500	26 hr

Temperature 54 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 100 PPM

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County MORROW Twp 4 N N/S Range 24 E E/W WM
Sec 21 NE 1/4 of the SE 1/4 Tax Lot 131
Tax Map Number Lot
Lat ° ' " or 45.8154277 DMS or DD
Long ° ' " or 119.8157882 DMS or DD
( ) Street address of well ( ) Nearest address
1/2 mile west of tower rd. Boardman OR 97818

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	1/5/22			80

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 30 ft

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
1/5/22	985	1303	700			80
1/5/22	30	500	400			30
1/5/22	500	985	400			50

(11) WELL LOG
Ground Elevation

Material	From	To
See Attached		

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Date Started 3/20/21 Completed 1/5/22

(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 Date
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 10576 Date 2/24/22
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:
New exempt use wells must be submitted with a map and recording fee.

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WATER SUPPLY WELL REPORT - continuation page

WELL I.D. LABEL# L
START CARD #
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material	From	To	Amt	sacks/lbs

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To
36	0	20
24	20	460
20.5	460	995
14.75	995	1303

SEAL Material	From	To	Amt	sacks/lbs
Cement	0	20 Calculated	YDS 2	
		Calculated		
		Calculated		
		Calculated		

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	30		0	20	.500	◉	○	X	
◉	○	16		0	985	.375	○	○	X	

(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)
700	390	500	26 hr

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)

(11) WELL LOG

Material	From	To

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Comments/Remarks

Sealing Method A used 985-500 feet.
Sealing Method C used 500-0 feet.

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DRILLER DESCRIPTIONS/NOTES - POM AIRPORT WELL 3

FT	FT	DRILLERS DESCRIPTIONS
0	17	COBLES/SAND
17	35	BASALT
35	37	BASALT
37	52	HARD BASALT
52	66	FRACTURED BASALT
66	130	FRACTURED BASALT
130	175	CLAY AND WEATHER BASALT
175	185	CLAY
185	275	BASALT
275	280	BASALT
280	315	WEATHERED FRACTURED BASALT
315	323	GRAY GREEN SILTSTONE
323	350	HARD BASALT AND SILTSTONE
350	377	HARD BASALT AND SILTSTONE
377	387	NO CUTTINGS/SILTSTONE
387	413	FINE SAND AND SILTSTONE
413	420	BASALT
420	426	MEDIUM HARD BLACK BASALT
426	432	FRACTURED BASALT
432	435	BLACK SILTY BASALT
435	441	HEAVILY FRACTURED BASALT
441	518	BASALT
518	528	FRACTURED BASALT/GREEN CLAY
528	530	BASALT
530	569	HARD BLACK BASALT
569	595	FRACTURED MEDIUM/HARD BASALT
595	600	LARGE FRACTURED BASALT WITH GREEN CLAY/SILT MIXED
600	611	HARD BLACK BASALT
611	653	MEDIUM HARD BASALT MIXED WITH GREEN CLAY

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653	670 HARD BLACK BASALT
670	691 VERY HARD BASALT
696	704 BASALT BLACK HARD
704	732 HARD BLACK BASALT WITH GREEN MINERAL MIXED
732	742 FRACTURED BASALT
742	754 LARGE FRACTURES/VERY HARD TO DRILL
754	762 BASALT (BADLY FRACTURED)
762	772 FRACTURED BLACK POROUS BASALT
772	775 HARD BASALT WITH BIG FRACTURES
775	783 VERY HARD BASALT
783	797 BASALT GREEN SOFT
797	806 BASALT BLACK HARD NO FRACTURES
806	810 HARD BLACK BASALT
810	815 HARD BLACK BASALT; FRACTURES THROUGHOUT
815	818 FRACTURED BLACK BASALT WITH GREEN MIX
818	821 FRACTURED HARD BASALT
821	824 HARD BLACK BASALT
824	827 VERY HARD BLACK BASALT
829	834 HARD BLACK BASALT
835	839 VERY HARD BASALT
839	845 FRACTURED BLACK BASALT
845	870 HARD BLACK BASALT
870	880 HARD BLACK BASALT
886	890 HARD BLACK BASALT WITH GRAY
900	912 VERY HARD BLACK BASALT
912	922 FRACTURED/WEATHERED BASALT
922	925 HARD BLACK BASALT
925	938 FRACTUED BLACK BASALT
938	951 VERY HARD BLACK BASALT
951	973 VERY HARD BLACK BLUE BASALT
973	1002 VERY HARD BLACK BLUE BASALT
1002	1010 EXTREMELY HARD BLACK/BLUE BASALT
1010	1028 VERY HARD BLACK/BLUE BASALT
1028	1034 VERY HARD BASALT BLACK/GREY
1034	1048 VERY HARD BASALT

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1048	1051	FRACTURED HARD BASALT
1051	1063	HARD BLACK BASALT
1063	1065.5	CHANGE FM. GREY/GREEN GRAVELS TO BLACK BASALT
1065.5	1076	EXT HARD BASALT
1076	1076	BROWN/GREY BASALT TURNED INTO GRAY/GREEN ROUNDED GRAVELS
1076	1080	BLACK/GREY BASALT W GRAYCLAY
1080	1083	GREY/BLACK BASALT
1086	1095.5	VERY HARD BASALT
1095.5	1098	VESICULAR BLACK/BLUE BASALT
1098	1117	VESICULAR BLACK/BLUE BASALT
1117	1026.5	FRACTURED HARD BASALT
1126.5	1131	BLACK/GREY/GREEN BASALT
1131	1135	HARD BLACK BASALT
1135	1143	VERY HARD BLACK BASALT
1143	1150	VERY HARD BLACK BASALT
1150	1157.5	EXT HARD BLACK/GREY BASALT
1157.5	1167	BLACK/GREEN BASALT W GRAY CLAY
1167	1176	BLACK BASALT
1176	1181	VERY HARD BLACK/GREY BASALT
1181	1190.5	HARD SLOW BLACK BASALT
1190.5	1201.5	HARD BLACK BASALT
1201.5	1212.5	HARD SLOW BLACK BASALT
1212.5	1220.5	EXT HARD BLACK/GREY BASALT
1220.5	1228.5	VRY HARD BLACK BASALT (NO FRACTURES)
1228.5	1238.5	EXT HARD BLACK/GREY BASALT
1238.5	1245	DRILL CHATTER/RODS JUMPY
1245	1257	VRY HARD BLACK BASALT
1257	1260	HARD BLACK BASALT
1260	1269	VRY HARD BLACK BASALT
1269	1271	BLACK BASALT
1271	1280	VRY HARD BLACK BASALT
1280	1287	HARD BLACK BASALT
1287	1293	VRY HARD BLACK BASALT
1293	1297	VRY HARD BLACK BASALT
1297	1300	FRACTURED BLACK BASALT
1300	1300.5	GREY CLAY
1300	1303	HARD BLACK/GREY BASALT

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