WELL I.D. LABEL# L 128849

START CARD#

212565

MORR 52462

STATE OF OREGON

WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210) **ORIGINAL LOG#** (1) LAND OWNER 5A Owner Well I.D. First Name Last Name (9) LOCATION OF WELL (legal description) Port of Morrow Company__ N N/S Range 25 County Morrow Twp 4 PO Box 200 Address Sec 10 SW 1/4 of the NE 1/4 Tax Lot Boardman 97818 State City_ 04N25E10 Tax Map Number New Well Deepening Conversion (2) TYPE OF WORK DMS or DD Alteration (complete 2a & 10) | Abandonment(complete 5a) (2a) PRE-ALTERATION DMS or DD Long C Street address of well Nearest address Gauge 750 Columbia Ave NE, Boardman, OR 97818 Material From To Amt sacks/lbs Seal: (10) STATIC WATER LEVEL (3) DRILL METHOD Date Rotary Air Rotary Mud Cable Auger Cable Mud SWL(psi) SWL(ft) Existing Well / Pre-Alteration Reverse Rotary Other Completed Well 6/15/18 20 Flowing Artesian? Dry Hole? (4) PROPOSED USE Domestic Irrigation Community Livestock Dewatering 10 ✗ Industrial/ Commericial Depth water was first found WATER BEARING ZONES Thermal Injection Other **SWL Date** Est Flow SWL(psi) From Τo + SWL(fi) (5) BORE HOLE CONSTRUCTION Special Standard (Attach copy) 11/9/17 10 35 NM 10 Depth of Completed Well _ 1126 6/15/18 976 1108 20 see (8) **BORE HOLE** SEAL sacks/ Material Amt From From To lbs 854 30 60 2543 sacks 0 Cement 28 60 79 Calculated 667 24 79 408 Cement 68* 178 sacks (11) WELL LOG 856 Calculated 104 Ground Elevation Method X A В |**x**|C D From How was seal placed: Τo Material See Attached Formation Log Other Backfill placed from 1126 ft. to 1128 ft. Material __ ft. to ft. Material Filter pack from ___ Size Explosives used: Yes Type_ Amount (5a) ABANDONMENT USING UNHYDRATED BENTONITE Proposed Amount **Actual Amount Pounds Pounds** (6) CASING/LINER Casing Liner RECEIVED Dia From Gauge Stl Plstc Wld Thrd To 68 × 24 .375 1 JUL 052018 .375 16 OWRE Inside X Outside Other Location of shoe(s) Temp casing Yes (7) PERFORATIONS/SCREENS Perforations Method Screens Type_ 11/8/19 17 6/18/18 Date Started Material Completed. Perf/ Casing/Screen # of Tele/ Scm/slot Slot slots pipe size (unbonded) Water Well Constructor Certification Screen Liner To From width length 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 (8) WELL TESTS: Minimum testing time is 1 hour Signed Pump O Bailer O Air Flowing Artesian (bonded) Water Well Constructor Certification Drawdown Drill stem/Pump depth Duration (hr) Yield gal/min 85 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. 79 °F Lab analysis Yes By Yes (describe below) TDS amount Water quality concerns? Amount Units Description Signed Contact Info (optional) ORIGINAL - WATER RESOURCES DEPARTMENT

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WATER SUPPLY WELL REPORT - continuation page

WELL I.D. LABEL# L	128849	
START CARD #	212565	
ORIGINAL LOG#		

(2a) PRE-ALTERATION	Water Quality Concerns	
Dia + From To Gauge Stl Plstc Wld Thrd		Amount Units
	From To Description	Amount omis
Material From To Amt sacks/lbs		
(5) PODE HOLE CONSTRUCTION	(10) STATIC WATER LEVEL	
(5) BORE HOLE CONSTRUCTION	SWL Date From To Est Flow SW	L(psi) + SWL(fi)
BORE HOLE SEAL sacks/		
Dia From To Material From To Amt lbs		
16 856 1128		
Calculated		
Calculated		
Calculated		
Calculated		
Calculated		$\neg \vdash \vdash \neg$
FILTER PACK		
From To Material Size	(11) WELL LOG	
Plont 10 Material 5-5	Material Fr	rom To
	Waterial	10
O CACINO INCO		
6) CASING/LINER		
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd		
		
		-
7) PERFORATIONS/SCREENS	RECEIVED	
Perf/ Casing/ Screen Scrn/slot Slot # of Tele/	NECTIVED	
Screen Liner Dia From To width length slots pipe size		
Street Ent. Dit 170m 10 width length 3.05 pipe 3.2.	JUL 0 5 2018	
	OWDD	
	OWRD	
	1	
	11	-
	<u> </u>	
	Comments/Remarks	
	`	 -
(8) WELL TESTS: Minimum testing time is 1 hour	*grout outside 24" casing	
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)		1
	11	
	■ 1	

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Port of Morrow Well 5A SC #212565 - Well Tag ID # L128849 Formation Log by Schneider Water Services

<u>FM</u>	<u>TO</u>	DESCRIPTION
0	9	Soil, brown, sandy, silty
9	35	Gravel, 8" minus & sand, brown, coarse
35	45	Clay, brown, medium w/gravel, 6" minus
45	59	Clay, grey, medium w/gravel, 6" minus
59	78	Basalt, grey, medium w/claystone lenses, green & grey, soft-medium
78	82	Basalt, black, medium soft
82	83	Basalt, black, soft w/claystone, green, soft
83	93	Basalt, medium soft, fractured w/claystone, green, medium-soft & gravel, multicolored
93	122	Basalt, soft-hard, fractured w/claystone, green, medium-soft & gravel, multicolored
122	139	Basalt, multicolored, broken, vesicular
139	275	Basalt, grey, hard
275	285	Basalt, grey, black-brown-green, fractured, broken
285	290	Claystone, green w/basalt, grey, black & green, broken
290	338	Claystone, green
338	355	Claystone, green, soft w/basalt, black
355	470	Basalt, black & dark grey, hard
470	483	Clay, blue green, hard, w/basalt, black, medium
483	488	Basalt, dark grey, hard, occasional pyrite
488	489	Basalt, black, medium-soft
489	492	Sand, black, medium
492	496	Clay, green, soft, silty
496	505	Claystone, green, hard w/basalt, black, weathered, broken
505	532	Sandstone, grey & green
532	542	Claystone, green, medium-hard JUL 0 5 2018
542	545	Basalt, black, medium, fractured, broken, vesicular
545	552	Basalt, dark grey, medium-hard, fractured
552	643	Basalt, grey, hard, some fractures
643	647	Basalt, black, fractured & broken, some vesicles & clay green, medium-hard
647	650	Basalt, black, fractured, broken w/wood, hard, semi-petrified w/clay, brown, soft & claystone, tan, hard
650	651	Clay, multicolored, medium
651	660	Clay, green, medium, soft
660	667	Clay, green, hard
667	675	Clay, whitish green, soft w/basalt, black, broken
675	712	Basalt, black & brown, broken & fractured w/colored minerals (brown and green), some vesicles
712	718	Basalt, brown & some grey, broken, fractured, weathered, some vesicles

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Port of Morrow Well 5A SC #212565 - Well Tag ID # L128849 Formation Log by Schneider Water Services

F	\mathbf{M}	<u>TO</u>	DESCRIPTION
7	18	721	Basalt, grey & some brown, medium, fractured, broken w/brown mineral stain, some vesicules
7	21	760	Basalt, dark grey, fractured, hard
7	60	765	Basalt, dark grey to black, medium hard, some fractures
7	65	769	Basalt, black & red, medium-soft, fractured, broken, some vesicles
7	69	775	Basalt, black, medium, fractured
7′	75	812	Basalt, grey, medium-hard, some fractures
8	12	818	Basalt, greenish grey, medium, fractured, vesicular, some brown and red stains
8	18	824	Basalt, dark grey, and brown, medium, vesicular, fractured, weathered
8	24	834	Basalt, dark grey, medium vesicular, fractured, some weathered
8	34	837	Basalt, dark grey, medium hard, occ fractures
8	37	976	Basalt, dark grey, hard, some fractures
9	76	984	Basalt, black, medium, vesicular
9	84	989	Basalt, black, medium, some fractures
9	89	1017	Basalt, grey, hard
10	17	1021	Basalt, black, med, fractured, broken, some vesicles
10	21	1026	Basalt, dark grey, hard
10	26	1031	Basalt, black, broken, vesicular
10	31	1039	Basalt, dark grey, hard, some fractures
10	39	1051	Basalt, dark grey, hard
10	51	1069	Basalt, black, weathered, broken, vesicular
10	69	1078	Basalt, grey, hard, fractured
10	78	1089	Basalt, grey, hard
10)89	1108	Basalt, black w/brown, fractured, broken, occ vesicles, some weathered
11	.08	1114	Basalt, grey, hard, occ fractures
11	14	1128	Basalt, dark grey, medium hard, some fractures

RECEIVED

JUL 05 2018

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