

(1) **LAND OWNER** Owner Well I.D. #7 SHOP WELL
First Name R.D. Last Name OFFUT
Company THREE MILE CANYON FARMS
Address 75906 THREEMILE RD
City BOARDMAN State OR Zip 97818

(2) **TYPE OF WORK** 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**
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other

(4) **PROPOSED USE** Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other

(5) **BORE HOLE CONSTRUCTION** Special Standard (Attach copy)
Depth of Completed Well 1005.00 ft.

BORE HOLE			SEAL					
Dia	From	To	Material	From	To	Amt	sacks/lbs	
20	0	139	Cement	0	139	105	S	
15	139	559	Calculated				93	
12	559	1008	Cement with 5% Bento	139	540	597	S	
				Calculated		215		

How was seal placed: Method A B C D E
 Other TREMIE PIPE

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 Actual Amount

(6) **CASING/LINER**
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
 16 1 139 0.375
 12 1 540 0.375
 8 528 873 0.322
Shoe Inside Outside Other Location of shoe(s) _____
Temp casing Yes Dia _____ From _____ To _____

(7) **PERFORATIONS/SCREENS**
Perforations Method _____
Screens Type _____ Material _____
Perf/ Casing/ Screen Scrn/slot Slot # of Tele/
Screen Liner Dia From To width length slots pipe size

Perf/ Screen	Casing/ Liner	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)
720 179.5 500 0.5
720 181.7 500 1
720 182.4 500

Temperature 78 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount 392 mg/L
From To Description Amount Units

From	To	Description	Amount	Units

(9) **LOCATION OF WELL (legal description)**
County MORROW Twp 3.00 N N/S Range 24.00 E E/W WM
Sec 19 SW 1/4 of the SW 1/4 Tax Lot 100
Tax Map Number _____ Lot _____
Lat _____ ' _____ " or 45.72230000 DMS or DD
Long _____ ' _____ " or -119.87440000 DMS or DD
 Street address of well Nearest address

WELL #7
SW CORNER OF SHOP LOT

(10) **STATIC WATER LEVEL**
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 10/18/2016 _____ 265.1
Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 550.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
9/10/2016	550	587	300		347.4
9/13/2016	638	648	200		389.7
9/14/2016	698	715	100		361
9/15/2016	810	818	300		274.4
9/15/2016	830	839	300		274.4

(11) **WELL LOG** Ground Elevation 600.00

Material	From	To
Silt, Caliche	0	27
Slightly weathered dense Basalt	27	83
Clay	83	117
Dense Basalt	117	241
Clay	241	325
Sandy clay	325	350
Clay	350	430
Sandstone	430	439
Vesicular Basalt, blue sec min	439	446
Dense Basalt	446	489
Vesicular Basalt with green baked clay	489	497
Sandy Siltstone	497	515
Vesicular Basalt, light blue sec min	515	532
Dense Basalt	532	543
Siltstone	543	550
Vesicular Basalt, oxidized, blue sec min	550	587
Dense Basalt, blue sec min in joints	587	638
Vesicular Basalt	638	650
Dense Basalt, blue sec min in joints	650	698

Date Started 8/5/2016 Completed 10/12/2016

(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 1934 Date 11/3/2016

Signed DWAYNE PERSON (E-filed)

Contact Info (optional) Dwayne Person

WATER SUPPLY WELL REPORT - continuation page

MORR 52387

WELL I.D. LABEL# L107444

START CARD # 1031614

11/3/2016

ORIGINAL LOG

107444
1031614

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Material				From	To	Amt	sacks/lbs	

(5) BORE HOLE CONSTRUCTION

BORE HOLE				SEAL			
Dia	From	To	Material	From	To	Amt	sacks/lbs
			Cement	540	873	305	S
						Calculated	143
						Calculated	
						Calculated	
						Calculated	

FILTER PACK			
From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

(7) PERFORATIONS/SCREENS

Perf/ Screen	Casing/ Liner Dia	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)
710	180.4	500	24

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
9/15/2016	916	930	300		274.4

(11) WELL LOG

Material	From	To
Heavily oxidized vesicular Basalt	698	715
Dense Basalt	715	810
Slightly vesicular Basalt	810	818
Dense Basalt	818	830
Slightly vesicular Basalt	830	839
Dense Basalt	839	916
Vesicular black Basalt	916	930
Dense Basalt	930	1008

Comments/Remarks

*(5b) Bore hole construction line items needed modification in order to avoid Efile error notice.

The first line item under Seal should read: From 0 to 139

The second line item under Seal should read: From 0 to 540

Third line item under Seal should read: From 528 to 873

WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

MORR 52387

11/3/2016

Map of Hole

Person Pump & Drilling, Inc.

1015 E Broadway
Goldendale, WA 98620
Phone 509-773-4085
personpumpandwelldrilling.com

October 28, 2016

Oregon Water Resources Department

RE: Well Log L107444 Additional Information Letter.

Dear Director,

Person Pump & Drilling, Inc. (Person) has recently drilled a well for Three Mile Canyon Farms, L107444. The following is additional information to be submitted with the well log.

While drilling the production zone of the well the static water rose while drilling to total depth. A decision was made to separate water bearing intervals of different static water levels. To do this the bottom of the well was plugged with pea gravel, bentonite, and a cement cap to a depth of 867.5 feet beneath ground surface (ft bgs). Then an eight inch casing was cemented in place from 528 to 873 ft bgs. This additional casing sealed off all water except for 916 ft bgs and below. The seal was tested by filling the casing with 265 ft of water head. Over a 24 hour period there was no drop in water level within the casing giving evidence that the casing seat and seal does leak. The production zone beneath the eight inch casing was then drilled to a depth of 1005 ft bgs with reverse air drilling.

Dwayne Person, Oregon Well Constructor License 1934

Vice President
Person Pump & Drilling, Inc.
Mobile 541 288 7293