

Well Performance & Water Availability Summary Report

Meland Property – Silverton, Oregon

This property features an **exceptional private well** that has demonstrated outstanding long-term reliability and capacity. Recent testing confirms that the well continues to perform **as well or better than when it was first drilled in 1972**, offering both **abundant supply** and **excellent water quality**.

Key Well Details

- **Drilled:** 1972
- **Total Depth:** 201 feet
- **Static Water Level:** 28 feet (*unchanged since 1972*)
- **Flow Rate:** 16 gallons per minute (*sustained*)
- **Drawdown After Pumping at 16 GPM:**
 - 44 feet after 1 hour
 - 46 feet after 2 hours (*48 feet in 1972*)
- **Water Quality:** Lab-tested as excellent

Performance Highlights

- **No measurable decline** in water level over more than 50 years
- **Supports high-volume use** (irrigation, multiple dwellings, livestock, etc.)
- **Over 150 feet of reserve depth** before nearing well bottom
- **Unaffected by local water scarcity concerns** common to nearby properties

Conclusion

This well is a **valuable asset** to the property, offering long-term water security, reduced utility costs, and resilience against regional drought or aquifer challenges.

STADELI Water Systems, Inc.

503-873-9287

CCB #124606
PO BOX 832
SILVERTON, OR 97381

PUMP SALES & SERVICE • FLOW & PURITY TESTING • WATER CONDITIONING

PH 503-873-9287
CL 503-932-3534
STADELIPUMP@AOL.COM

WATER WELL TEST REPORT

Date Feb 26-2025 Name JACK Meland
Address _____ Phone # 360-936-0322
Address of well 2678 Drift creek rd NE Email _____
Well Type ☐ Irrigation ☒ Domestic ☐ Other _____
Well casing diameter 6" Height of casing above ground surface 4"
Well depth ? Static Water Level 28' Well vented yes
Sanitary well seal yes Water sample taken yes
Type of sample taken ☒ Bacteria ☒ Nitrate ☒ Arsenic ☐ Other _____
Existing system used for flow test yes Flow measuring devise Measured container
Description of pump system 1hp Submersible pump with pressure tank.

Comments _____

Well flow data collected by Eric
Date of flow test Feb 26-2025

TIME	GALLONS PER MIN.	DISCHARGE PRESSURE	STATIC WATER LEVEL	TOTAL GALLONS PUMPED
7:45	16	48	28	16
8:15	16	45	42'4"	480
8:45	16	45	44'2"	960
9:15	16	45	45'11"	1440
9:45	16	45	46'2"	1920

NOTICE TO WATER WELL CONTRACTOR

The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310

within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

STATE ENGINEER
SALEM OREGON

State Well No.

State Permit No.

75/3W-13 ad

(1) OWNER:

Name Ole Meland

Address Rt 3 Silverton, reg

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

6" Diam. from 0 ft. to 39 ft. Gage #250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" Air 14 gal./min. with 172 ft. drawdown after 1 hrs.
Bailer test

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 39

Diameter of well bore to bottom of seal 10" to 21" 8" to 39" ft.

Diameter of well bore below seal 6 in. 8

Number of sacks of cement used in well seal sacks

Number of sacks of bentonite used in well seal sacks

Brand name of bentonite

Number of pounds of bentonite per 100 gallons

of water lbs./100 gals.

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Marion

Driller's well number

S.E. N.E. 1/4 Section 13 T. 7.S. R. R.W. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 4 8 ft.

Static level 28 ft. below land surface. Date 8/18/72

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 201 ft. Depth of completed well 201 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top soil red	0	1	
Clay red	1	10	
Clay brn.	10	17	
Decomposed rock brn.	17	34	
H. basalt grey	34	69	
Clay yellow	69	70	
H. basalt grey & streaks of lava red	70	74	
H. basalt grey	74	87	
H. sandstone grey	87	127	
H. claystone red	127	138	
H. sandstone grey	138	151	
H. sandstone green	151	201	W.B.
Water bearing 48-78			

Work started 8/17 1972 Completed 8/18/72 19

Date well drilling machine moved off of well 8/18/72 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] *Ben Hayman* Date 9/5/72 19

(Drilling Machine Operator)

322

Drilling Machine Operator's License No.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name R. Stadel & Sons Inc.

(Person, firm or corporation)

(Type or print)

Address Silverton, Ore

[Signed] *Paul R. Stadel*

(Water Well Contractor)

Contractor's License No. 296 Date 9/5/72 19

TEST REPORT

2603 - 12th Street, SE
Salem, OR 97302
Voice: (503) 363-0473
FAX: (503) 363-8900

TO: Stadel Water Systems
PO Box 832
Silverton, OR 97381

3/10/2025

STAWAT

PO#:

Collection Information

Date: 2/26/2025
Time: 0930
By: Eric
Lab #: 20250226-014
Location: 2678 Drift Creek Rd NE 97381/ tank tap

Lab Receipt Information

2/26/2025
1006
SW

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory. This report shall not be reproduced except in full without permission in writing.

WATERLAB Corp certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Analyte	Method	Acc*	Results	Qual	MRL	Units	EPA Limit	Analysis	
								Date Time	Tech
Arsenic, Nitrate									
Arsenic	SM3113B	A	ND		0.002	mg/l	0.010	3/2/2025	bem
Nitrogen, Nitrate	EPA300.0	A	4.10		0.2	mg NO3-N/l	10.	2/26/2025	1725 as

ND- No Detection at @ MRL

SM- "Standard Methods for the Examination of Water & Wastewater", 20th ed

EPA- "Methods for Chemical Analysis for Water and Wastes", USEPA

MRL- "Method Reporting Limit"

* Accreditation

A- Waterlab Corporation, ORELAP 100039

The results relate only to the parameters tested or to the sample as received by the laboratory.

This report shall not be reproduced except in full, without the written approval of Waterlab Corporation.

Approved by: _____



TEST REPORT

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Salem, OR 97302
Voice: (503) 363-0473
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Stadeli Water Systems
PO Box 832
Silverton, OR 97381

SAMPLE INFORMATION

Location: 2678 Drift Creek RdNE 97381/ tank tap
Date Sampled: 2/26/2025 Sample Type: Water
Time Sampled: 0930 Collected by: Eric

CASE NARRATIVE

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory. This report shall not be reproduced except in full without permission in writing.

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TESTING INFORMATION

Lab #: 20250226-013

Date Received: 2/26/2025	Time Received: 1006	Received by: SW
Date Started: 2/26/2025	Time Started: 1246	Tech: SW
Date Read: 2/27/2025	Time Read: 1330	Tech: SW
Date Reported: 3/3/2025		Reported By: RD

*Chlorine Residual: N/A

Amount of Sample Used: 100 mls

Method Code: SM 20th ED 9223B P/A Colisure ®

TOTAL COLIFORM BACTERIA RESULTS

Analysis shows Total Coliform Bacteria to be:

ABSENT

Absent= Acceptable

Present= Unacceptable

E.COLI COLIFORM BACTERIA RESULTS

Analysis shows E. coli Bacteria to be:

ABSENT

E. coli is a sub-section of Total Coliform and its presence in water indicates that raw sewage is present in the water.

Explanation: When coliform bacteria are present in water, it is considered contaminated and therefore unsafe. Coliform organisms are found normally in discharges from the intestinal tract of man, animals or birds. Their presence in the water, therefore, must be considered as evidence of pollution. The laboratory examination determines the presence or absence of contamination at the time of sampling only. No definite conclusions should be drawn from a single bacterial examination.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet

all requirements of NELAP, unless otherwise noted. This report shall not be reproduced except in full, without written approval of Waterlab Corp.
Chlorine Footnote: Chlorine in water will kill conform bacteria. Presence of chlorine in a water sample should invalidate the test unless the water is from a system that is continuously chlorinated every day the water is in use.

Approved by: 