

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.785)

JEFF 50418

Amendment

Received Date 12/18/1998

Well ID Tag # L 29717

Start Card # 117231

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

(1) OWNER

Well Number 29717

Name

DESCHUTES VALEY WATER DISTRICT

Street 1141 SW CULVER HWY

City MADRAS

State OR Zip 97741

(2) TYPE OF WORK

- New Alter (Recondition) Alter (Repair)
 Deepening Abandonment

(3) DRILL METHOD

- Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE

- Domestic Community Industrial Irrigatio Injection
 Livestock Thermal Other

(5) BORE HOLE CONSTRUCTION

Special Standards Depth of completed well 513 ft.

Explosives Used Amount Type

Diameter	From	To	Material	Begin Depth	End Depth	Material Amount	Units
20.00	0.00	258	Cement	0.00	65.00	110.00	S
15.00	258.00	513	Cement	30.00	258.00	44.00	S

How as seal placed: Method C Other

Backfill placed from 65 ft. TO 70 ft. Material BE

Filter pack from ft. TO ft. Size in.

(6) CASING/LINER

Casing or Liner	Begin Diameter	End Diameter	Begin Depth	End Depth	Gauge	Material	Construction Weld	Threaded	Location Of Shoe
C	16.00	0.00	258.00	0.375	S				

(7) PERFORATION/SCREENS

- Perforation Method
 Screens Type Material

(8) WELL TESTS (Minimum testing time is 1 hour)

Type	Yield	Units	Drawdown	Stem at	Duration
Flowing Artes	5000.0	G			1.0

Temperature of water 53 °F/C Depth artesian flow found 267 ft.

Was water analysis done?

By Whom? DAVID EVANS ASSOCIATES

Did any strata contain water not suitable for intended use? Too Little Salty

Mudd Odor Colored Other

Depth of strata ft.

(9) LOCATION OF HOLE By legal description

County Jefferson Latitude Longitude

Township 12.00 S Range 12.00 E Subdivision

Tax lot 2800 Lot Block

Section 33 SW 1/4 NE 1/4

Street Address of Well (or nearest address)

7676 SW LASALLE LANE, CULVER

MAP with location indentified must be attached

(10) STATIC WATER LEVEL

46.0 Ft. below land surface.

Date 12/05/1998

Artesian Pressure 46.0 lb/sq. in.

Date 12/05/1998

(11) WATER BEARING ZONES

Depth at which water was first found 46 ft.

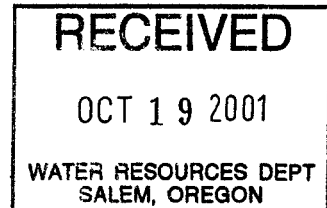
From	To	Est. Flow Rate	SWL
17	245	1500	9
267	453	5000	46

(12) WELL LOG

Ground Elevation ft.

Material	From	To	SWL
LOOSE SOIL & PUMICE FILL	0	6	
BASALT RUBBLE	6	25	
SAND & GRAVELS CONGLOMERAT	25	41	
UP TO 1 INCH DIAMETER	41	50	46
SAND STONE TUFF & BASALT	50	60	
CONGLOMERATE	60	79	
CEMENTED SAND & GRAVELS	79	108	
LARGE COBBLES CEMENTED	108	117	
BASALT & GRAVELS	117	122	
BROWN TUFF STONE	122	128	
TUFF & GRAVELS	128	223	
BROKEN WEATHERED BASALT	223	245	
BASALT HARD REDDISH GRAY	245	267	
BROKEN WEATHERED BASALT	267	268	
WEATHERED BASALT SAND & GRA	268	308	
BROKEN WEATHERED BASALT	308	387	
HARD BASALT	387	400	
BASALT HARD W/ SOME FRACTURE	400	420	
BROKEN WEATHERED BASALT	420	423	
BROKEN BASALT WITH CINDERS	423	442	
BASALT GREY HARD	442	448	
BROKEN BASALT WITH CINDERS	448	453	
HARD GREY BASALT	453	513	

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Date started 11/18/1998 Completed 2/05/1998

(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 well construction standards. Materials used and information reported above are true to the best knowledge and belief.

Signed By ROBERT STADELI

(bonded) Water Well Constructor Certification: WWC Number 1523

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 well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1484

Signed By GREG MCINNIS

GEO-TECH EXPLORATIONS

STATE OF OREGON
WATER SUPPLY WELL REPORT

JEFF 50418

Received Date **12/16/1998**

Well ID Tag # **L 29717**

(as required by ORS 537.765)

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

Start Card # **117231**

(1) OWNER Well Number **29717**
 Name
DESCHUTES VALEY WATER DISTRICT
 Street **1141 SW CULVER HWY**
 City **MADRAS** State **OR** Zip **97741**

(2) TYPE OF WORK
 New Alter (Recondition) Alter (Repair)
 Deepening Abandonment

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE
 Domestic Community Industrial Irrigation Injection
 Livestock Thermal Other

(5) BORE HOLE CONSTRUCTION
 Special Standards Depth of completed well **513** ft.
 Explosives Used Amount Type

Diameter	From	To	Material	Begin Depth	End Depth	Material Amount	Units
20.00	0.00	258	Cement	0.00	65.00	110.0	S
15.00	58.00	513	Cement	230.0	258.00	44.00	S

How seal placed: Method **C** Other
 Backfill placed from **65** ft. TO **70** ft. Material **BE**
 Filter pack from **ft.** TO **ft.** Size **in.**

(6) CASING/LINER

Casing or Liner	Diameter	Begin Depth	End Depth	Gauge	Material	Weld	Threaded	Location Of Shoe
C	16.00	0.00	258.00	.325	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

(7) PERFORATION/SCREENS
 Perforation Method
 Screens Type Material

(8) WELL TESTS (Minimum testing time is 1 hour)

Type	Yield	Units	Drawdown	Stem at	Duration
Flowing	000.0	G			1.0

Temperature of water **53** °F/C Depth artesian flow found **287** ft.
 Was water analysis done?
 By Whom? **DAVID EVANS ASSOCIATES**
 Did any strata contain water not suitable for intended use? Too Little Salty
 Mudd Odor Colored Other
 Depth of strata **ft.**

(9) LOCATION OF HOLE By legal description
 County Latitude Longitude
 Township **12.00 S** Range **12.00 E** Subdivision
 Tax lot **2800** Lot Block
 Section **33 SW 1/4 NE 1/4**
 Street Address of Well (or nearest address)
7676 SW LASALLE LANE, CULVER
 MAP with location identified must be attached

(10) STATIC WATER LEVEL
46.0 Ft. below land surface. Date **12/05/1998**
 Artesian Pressure lb/sq. in. Date

(11) WATER BEARING ZONES
 Depth at which water was first found **46** ft.

From	To	Est. Flow Rate	SWL
17	245	1500	9
267	453	5000	46

(12) WELL LOG Ground Elevation **ft.**

Material	From	To	SWL
LOOSE SOIL & PUMICE FILL	0	6	
BASALT RUBBLE	6	25	
SAND & GRAVELS CONGLOMERA	25	41	
UP TO 1 INCH DIAMETER	41	50	46
SAND STONE TUFF & BASALT	50	60	
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BASALT GREY HARD	442	448	
BROKEN BASALT WITH CINDERS	448	453	
HARD GREY BASALT	453	513	

Date started **11/18/1998** Completed **2/05/1998**

(unbonded) Water Well Constructor Certification:

I certify that the work performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

Signed By **ROBERT STADELI**

(bonded) Water Well Constructor Certification: WWC Number **1523**

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 well construction standards.

This report is true to the best of my knowledge and belief.

WWC Number **1464**

Signed By **GREG MCINNIS**

GEO-TECH EXPLORATIONS