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MAY 3 2004

WATER RESOURCES DEPT  
SALEM, OREGON

**NOTES:**  
 GROUND SURFACE ELEV. .... 1983 feet MSL  
 COMPLETION DATE ..... May 20, 1998  
 OWRD LOG ID No. .... 50263 / 50287

NOT TO SCALE

**NEWTON**  
 CONSULTANTS INC.  
 Earth, Water and Rock Specialists  
 Ph: 503 228-7718 Fax: 503 228-7781

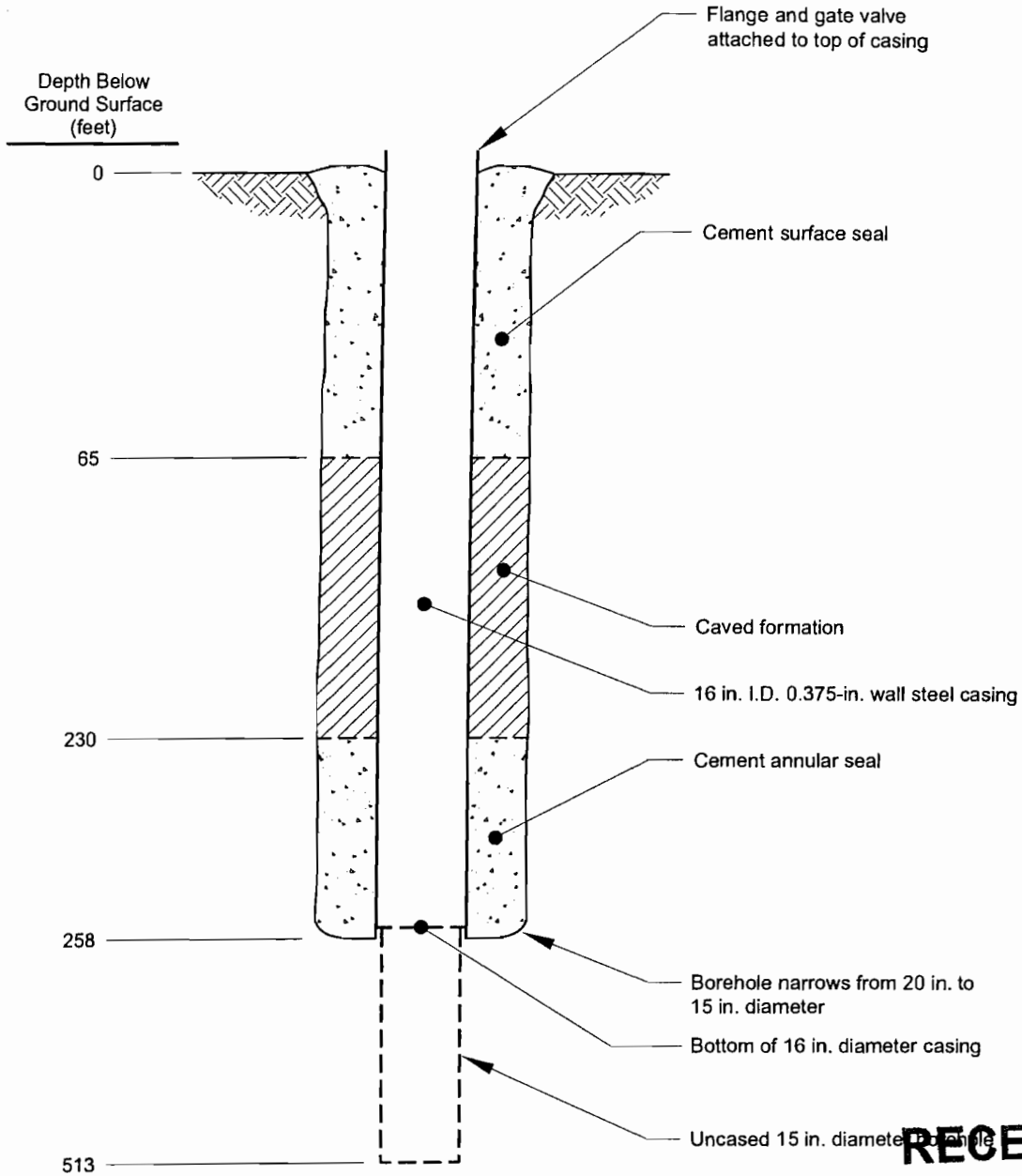


X-9720

Well No. 1 As-Built  
 CONSTRUCTION DETAILS

DESIGNED BY: PG	DRAWN BY: SJS	DATE: MARCH 2001	PROJECT NO. 450 - 104	FIGURE 1
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WATER RESOURCES DEPT  
SALEM, OREGON

**NOTES:**

GROUND SURFACE ELEV. .... 1993 feet MSL  
 COMPLETION DATE ..... February 5, 1998  
 OWRD LOG ID No. .... 50418

NOT TO SCALE

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**NEWTON**  
**CONSULTANTS INC.**  
 Earth, Water and Rock Specialists  
 Ph: 503 228-7718 Fax: 503 228-7781



T-9720

**Well No. 2 As-Built  
 CONSTRUCTION DETAILS**

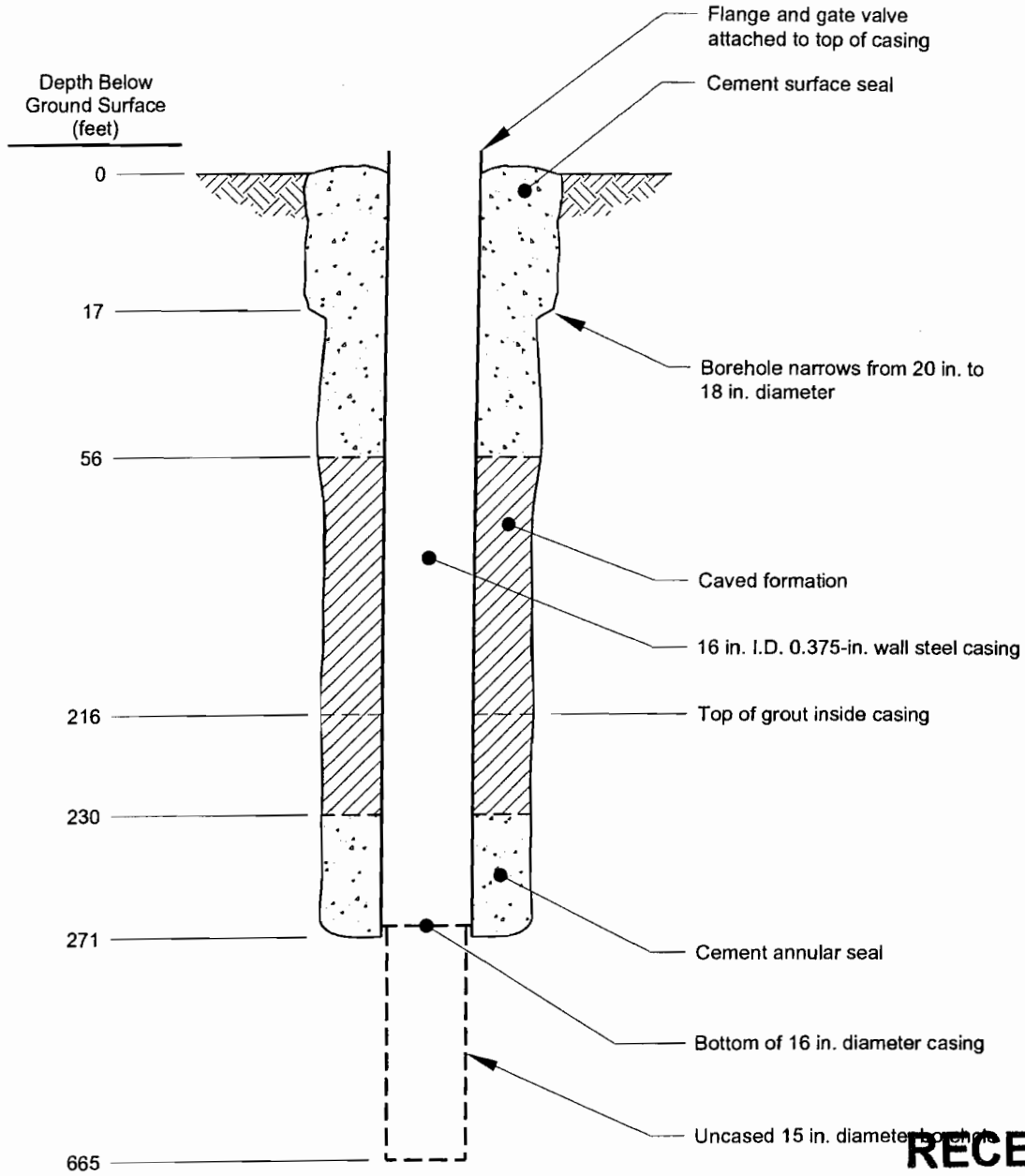
DESIGNED BY:  
PG

DRAWN BY:  
SJS

DATE:  
MARCH 2001

PROJECT NO.  
450 - 104

FIGURE 2



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WATER RESOURCES DEPT  
SALEM, OREGON

**NOTES:**

GROUND SURFACE ELEV. .... 2002 feet MSL  
 COMPLETION DATE ..... July 11, 2000  
 OWRD LOG ID No. .... 50654

NOT TO SCALE

**NEWTON**  
**CONSULTANTS INC.**  
 Earth, Water and Rock Specialists  
 Ph: 503 228-7718 Fax: 503 228-7781



**Well No. 3 As-Built  
 CONSTRUCTION DETAILS**

T-9720

DESIGNED BY:  
PG

DRAWN BY:  
SJS

DATE:  
MARCH 2001

PROJECT NO.  
450 - 104

FIGURE 3

G:\450\104\CAD\Mining\_A\W450104\_F1A 13:49 06

WATER SUPPLY WELL REPORT

JEFF 50287

Received Date 6/17/1998

Well ID # L

Start Card # 112147

(as required by ORS 637.765)

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

(1) OWNER

Well Number

Name

DESCHUTES VALLEY WATER DISTRICT

Street 1141 SW CULVER HWY

City MADRAS

State OR Zip 97741

(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)

7678 SW LASALLE LANE, CULVER

MAP with location identified must be attached

(2) TYPE OF WORK

New

Alter (Recondition)

Alter (Repair)

Deepening

Abandonment

(3) DRILL METHOD

Rotary Air

Rotary Mud

Cable

Auger

Other

(10) STATIC WATER LEVEL

Fl. below land surface.

Date

Artesian Pressure

89 lb/sq. in.

Date 6/28/1998

(4) PROPOSED USE

Domestic

Community

Industrial

Irrigation

Injection

Livestock

Thermal

Other

(11) WATER BEARING ZONES

Depth at which water was first found

ft.

From	To	Est. Flow Rate	SWL
437	740		

(5) BORE HOLE CONSTRUCTION

Special Standards

Depth of completed well 740 ft.

Explosives Used

Amount

Type

Diameter	From	To	Material	Begin Depth	End Depth	Material Amount	Units
12.00	230.00	427					
8.00	427.00	740	Cement	10.00	427.00	12.00	3

How seal placed: Method

Other

Backfill placed from

ft. TO

ft.

Material

Filter pack from

ft. TO

ft.

Size

in.

(6) CASING/LINER

Casing or liner

Diameter 10.00

Begin Depth 0.00

End Depth 425.00

Gauge

Material S

Construction

Weld

Threaded

Location Of Shoe

(12) WELL LOG

Ground Elevation

ft.

Material	From	To	SWL
BLACK BASALT	427	437	
BROKEN RED CINDERS	437	440	
WEATHERED BASALT	440	448	
MEDIUM HARD BASALT	448	484	
HARD BLACK VISCOUS BASALT	484	484	
WEATHERED BASALT, W/CLAY	484	604	
HARD BLACK VISCOUS BASALT	604	604	
HARD BLACK BASALT, FRACTURE	604	608	
VERY HARD BASALT	608	618	
HARD BLACK BASALT	618	684	
HARD BLACK BASALT, CLAY	684	684	
FRACTURED HARD BLACK BASALT	684	684	
BROKEN HARD BLACK BASALT	684	684	
BROKEN HARD BLACK BASALT, C	684	702	
FRACTURED BASALT	702	713	
HARD BLACK VISCOUS BASALT	713	720	
HARD BLACK BASALT, FRACTURE	720	740	

(7) PERFORATION/SCREENS

Perforation Method

Screens Type

Material

Date started

5/11/1998

Completed

5/28/1998

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

Type of Test

Yield

Units

Drawdown

Stem at

Duration of Test

Flowing Artesian

3500.0

5

1.0

Temperature of water

63

F/C Depth artesian flow found

ft.

Was water analysis done?

By Whom? DAVID J. NEWTON ASSOCIATES

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

Muddy  Odor  Colored

Other

Depth of strata

ft.

(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.

WWC Number

1823

Signed By

ROBERT STADELI

(bonded) Water Well Constructor Certification:

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

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WATER RESOURCES DEPT SALEM, OREGON

T-9720

**WATER SUPPLY WELL REPORT**

(as required by ORS 637.765)

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

JEFF 50287

*Amended* OUWD WELL No. 1 Page 2 of 2  
 11/16/98

Received Date 6/17/1998

Well ID # L 22300

Starl Card # 11247

**(1) OWNER**

Well Number

Name

DESCHUTES VALLEY WATER DISTRICT

Street 1141 SW CULVER HWY

City MADRAS

State OR Zip 97741

**(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 identified must be attached

**(2) TYPE OF WORK**

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

**(3) DRILL METHOD**

- Rotary Air  Rotary Mud  Cable  Auger

Other

**(10) STATIC WATER LEVEL**

Ft. below land surface.

Date

Artesian Pressure

50 lb/sq. in.

Date 6/28/1998

**(4) PROPOSED USE**

- Domestic  Community  Industria  Irrigatio  Injectio  
 Livestoc  Thermal Other

**(5) BORE HOLE CONSTRUCTION**

Special Standards  Depth of completed well 740 ft.

Explosives Used  Amount Type

From	To	Material	Amount	Seal Grout Weight	Units
410	427	CO	12		S

How as seal placed: Method Other

Backfill placed from ft. TO ft. Material

Filter pack from ft. TO ft. Size in.

**(6) CASING/LINER**

Diameter	From	To	Gauge	Material	Welded	Glued	Threaded
10.00	0	425		S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**(7) PERFORATION/SCREENS**

- Perforation Method  
 Screens Type Material

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

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

Was water analysis done?

By Whom? DAVID J. NEWTON ASSOCIATES

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

Mudd  Odor  Colored Other

Depth of strata ft.

7.9720

**(11) WATER BEARING ZONES**

Depth at which water was first found ft.

From	To	Est. Flow Rate	SWL
437	740		

**(12) WELL LOG**

Ground Elevation ft.

Material	From	To	SWL
BLACK BASALT	427	437	
BROKEN RED CIND	437	440	
WEATHERED BASA	440	445	
MEDIUM HARD BAS	445	455	
HARD BLACK VISC	455	484	
WEATHERED BASA	484	504	
HARD BLACK VISC	504	554	
HARD BLACK BASA	554	605	
VERY HARD BASAL	605	615	
HARD BLACK BASA	615	654	
HARD BLACK BASA	654	655	
FRACTURED HARD	655	684	
BROKEN HARD BLA	684	694	
BROKEN HARD BLA	694	702	
FRACTURED BASAL	702	713	
HARD BLACK VISC	713	720	
HARD BLACK BASA	720	740	

Date started 5/11/1998

Completed 5/28/1998

(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.

WWC Number 1523

Signed By ROBERT STADELI

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed complies with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1464

Signed By GREG MCINNIS

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WATER RESOURCES DEPT.  
SALEM, OREGON

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WATER RESOURCES DEP  
SALEM, OREGON

STATE OF OREGON  
**WATER SUPPLY WELL REPORT**

DIVID WELL NO. 2

JEFF 50418

Received Date 12/16/1998

(as required by ORS 637.765)

Well ID Tag # L 29717

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**

**(9) LOCATION OF HOLE** By legal description

County \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township **12.00 S** Range **12.00 E** Subdivision \_\_\_\_\_  
 Tax lot 2300 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

**(2) TYPE OF WORK**

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

**(3) DRILL METHOD**

- Rotary Air  Rotary Mud  Cable  Auger  
 Other \_\_\_\_\_

**(10) STATIC WATER LEVEL**

**48.0** Ft. below land surface. Date **12/05/1998**  
 Artesian Pressure \_\_\_\_\_ lb/sq. in. Date \_\_\_\_\_

**(4) PROPOSED USE**

- Domestic  Community  Industrial  Irrigate  Injection  
 Livestock  Thermal Other \_\_\_\_\_

**(11) WATER BEARING ZONES**

Depth at which water was first found **48** ft.

From	To	Est. Flow Rate	SWL
17	245	1500	5
267	453	5000	48

**(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 as seal placed: Method C Other \_\_\_\_\_

Backfill placed from **68** ft. TO **79** ft. Material **BE**  
 Filter pack from \_\_\_\_\_ ft. TO \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

**(12) WELL LOG**

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	48
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	243	
BASALT HARD REDDISH GRAY	243	267	
BROKEN WEATHERED BASALT	267	288	
WEATHERED BASALT SAND & GR	288	308	
BROKEN WEATHERED BASALT	308	387	
HARD BASALT	387	400	
BASALT HARD W/ SOME FRACTU	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	

**(6) CASING/LINER**

Casing or Liner	Diameter	Begin Depth	End Depth	Gauge	Material	Construction	Location Of Shoe
C	15.00	0.00	258.00	.325	S	Weld Threaded	

**(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	3			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

Muddy  Odor  Colored Other \_\_\_\_\_

Depth of strata \_\_\_\_\_ ft.

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 **1823**

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**

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MAY 3 2004

WATER RESOURCES DEPT  
 SALEM, OREGON

1-9720

STATE OF OREGON  
WATER SUPPLY WELL REPORT  
(as required by ORS 537.765)

JUL 27 2000

WELL I.D. # L 38435  
START CARD # 129512

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

WATER RESOURCES DEPT.

(1) OWNER: Well Number 3 SALEM, OREGON  
Name Deschutes Valley Water District  
Address 331 SW Collier Hwy  
City Madras State OR Zip 97741

LOCATION OF WELL by legal description:  
County T Jefferson Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 12 N or (S) Range 12 (E) or W. WM.  
Section 33 SW 1/4 NE 1/4  
Tax Lot 280 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 7075 SW Wheeler

(2) TYPE OF WORK  
 New Well  Deepening  Alteration (repair/recondition)  Abandonment

(10) STATIC WATER LEVEL:  
17 ft. below land surface. Date 7-2-00  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(3) DRILL METHOD:  
 Rotary Air  Rotary Mud  Cable  Auger  
 Other \_\_\_\_\_

(11) WATER BEARING ZONES:  
Depth at which water was first found 17'

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

(5) BORE HOLE CONSTRUCTION:  
Special Construction approval  Yes  No Depth of Completed Well 665 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

From	To	Estimated Flow Rate	SWL
<u>17'</u>	<u>260</u>	<u>500-1000 GPM</u>	<u>12'</u>
<u>297</u>			

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
<u>20"</u>	<u>0</u>	<u>17</u>				
<u>18"</u>	<u>17</u>	<u>270</u>				
<u>15"</u>	<u>270</u>	<u>665</u>				

How was seal placed: Method  A  B  C  D  E  
 Other bottom seal pumpel inside out  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Casing:	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
	<u>16"</u>	<u>0</u>	<u>270</u>	<u>.375</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Material	From	To	SWL
<u>Cinkers Gravel</u>	<u>0</u>	<u>1</u>	
<u>lg Basalt, boulders &amp; gravel</u>	<u>1</u>	<u>106</u>	
<u>Basalt gravel &amp; brown siltstone</u>	<u>106</u>	<u>90</u>	
<u>Coarse Basalt Gravel</u>	<u>90</u>	<u>100</u>	
<u>Coarse Basalt Gravel, F/Boulders</u>	<u>100</u>	<u>110</u>	
<u>Basalt Gravel sandstone, concy</u>	<u>110</u>	<u>240</u>	
<u>Unthreaded Basalt</u>	<u>240</u>	<u>247</u>	
<u>w/Basalt - Hard - 5m Brsks</u>	<u>247</u>	<u>250</u>	
<u>w/Basalt - soft &amp; gravel</u>	<u>250</u>	<u>256</u>	
<u>w/Basalt - mac gravel</u>	<u>256</u>	<u>260</u>	
<u>Tuff w/Basalt</u>	<u>260</u>	<u>270</u>	
<u>Fine Sand, Silts Tuff w/Basalt &amp; gravel</u>	<u>270</u>	<u>272</u>	
<u>Hard Basalt</u>	<u>272</u>	<u>276</u>	
<u>Basalt w/brown clay</u>	<u>276</u>	<u>277</u>	

Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material		Casing	Liner
					Type	Tele/pipe size		
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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See Attached - MAY 3 2004  
WATER RESOURCES DEPT  
SALEM, OREGON

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
Yield gal/min \_\_\_\_\_ Drawdown \_\_\_\_\_ Drill stem at \_\_\_\_\_ Time \_\_\_\_\_  
3-4000 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 1 hr.

Date started 5-31-2000 Completed 7-2-2000  
(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.  
Signed James E. Baker WWC Number 1751 Date 7-11-2000

Temperature of water 43 Depth Artesian Flow Found 297  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(bonded) Water Well Constructor Certification:  
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 water supply well construction standards. This report is true to the best of my knowledge and belief.  
Signed [Signature] WWC Number 1464 Date 7/26/00

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DUWD WELL NO. 3 P.

JUL 27 2000

**Well Log (Cont.)**WATER RESOURCES DEPT.  
SALEM, OREGON

Basalt with Brown Silty Clay	276	277
Basalt some tan clays, gray to dark red	277	278
Basalt some silts, black and red	278	282
Basalt darken, less clay and silts	282	283
Basalt, dark gray, some weathered	283	284
Hard Dense Basalt	284	293
Hard Dense Basalt, some fractured	293	295
Hard Dense Basalt with tan clays	295	297
Fractured, broke basalt	297	300
Weathered red coarse sandstone & basalt gravel	300	304
Coarse Basalt and Gravel	304	308
Coarse Brown Sandy Silts, w/light brown ash	308	317
V. Coarse Basalt and Gravel	317	321
Weathered Basalt, w/some gravel	321	324
Hard Dense Basalt, weathered	324	335
Tan Sandy Silt and Clay	335	338
Less Weathered Hard Basalt	338	345
Coarse Sand and Gravel	345	353
Dark Gray Coarse Soft Sand and Silts	353	363
Some Hard Basalt	363	365
Sand and Gravel, Soft	365	370
Sand and Gravel	370	388
Hard Weathered Basalt, Small Fractured	388	410
Hard Dense Basalt	410	431
Weathered Broken Basalt, Some Tan Class Filling	431	437
Broken Basalt With Red Cinders	437	440
Broken Weathered Basalt, Hard	440	445
Hard Dense Basalt	445	448
Broken Weathered Basalt	448	450
Some Tan Clay	450	453
Hard Dense Basalt	453	500
Hard Fractured Basalt w/Tan Clay	500	505
Weathered Red Basalt With Tan Clay	505	510

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MAY 3 2004

WATER RESOURCES DEPT.  
SALEM, OREGON

4.9720



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DVWD WELL No. 3 P. 3 of 3

JUL 27 2000

Hard Weathered Basalt With Tan Clays	510	521
Slightly Softer Basalt	521	530
Some Tan Clay	530	542
Cinders, Weathered Basalt, Tan Clay	542	545
Very Cindery, Weathered	545	547
Hard, Fractured Basalt With Tan Clay	547	572
More Fractured Broken Weathered Basalt	572	587
More Fractured Basalt, Tan Clay	587	591
Decreasing Fractured Basalt	591	600
Medium to Hard Basalt	600	601
U. Hard Basalt	601	607
Fractured, Weathered Basalt, With Tan Clay	607	611
Red Cinders, Weathered Basalt With Lots of Clay	611	620
Red Cinder, Weathered Basalt & Tan Clay	620	625
Decreasing Cinders	625	627
Decreasing Clay	627	630
Weathered Basalt	630	638
Large Fractured Tan Clay	638	640
Weathered Basalt and Tan Clay	640	650
Fractured Basalt, Tan Clay	650	652
Some Fractured Basalt, Clay	652	655
Harder Basalt, Some Fractured	655	660
Dense Hard Basalt	660	665

T. 9720

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MAY 3 2004

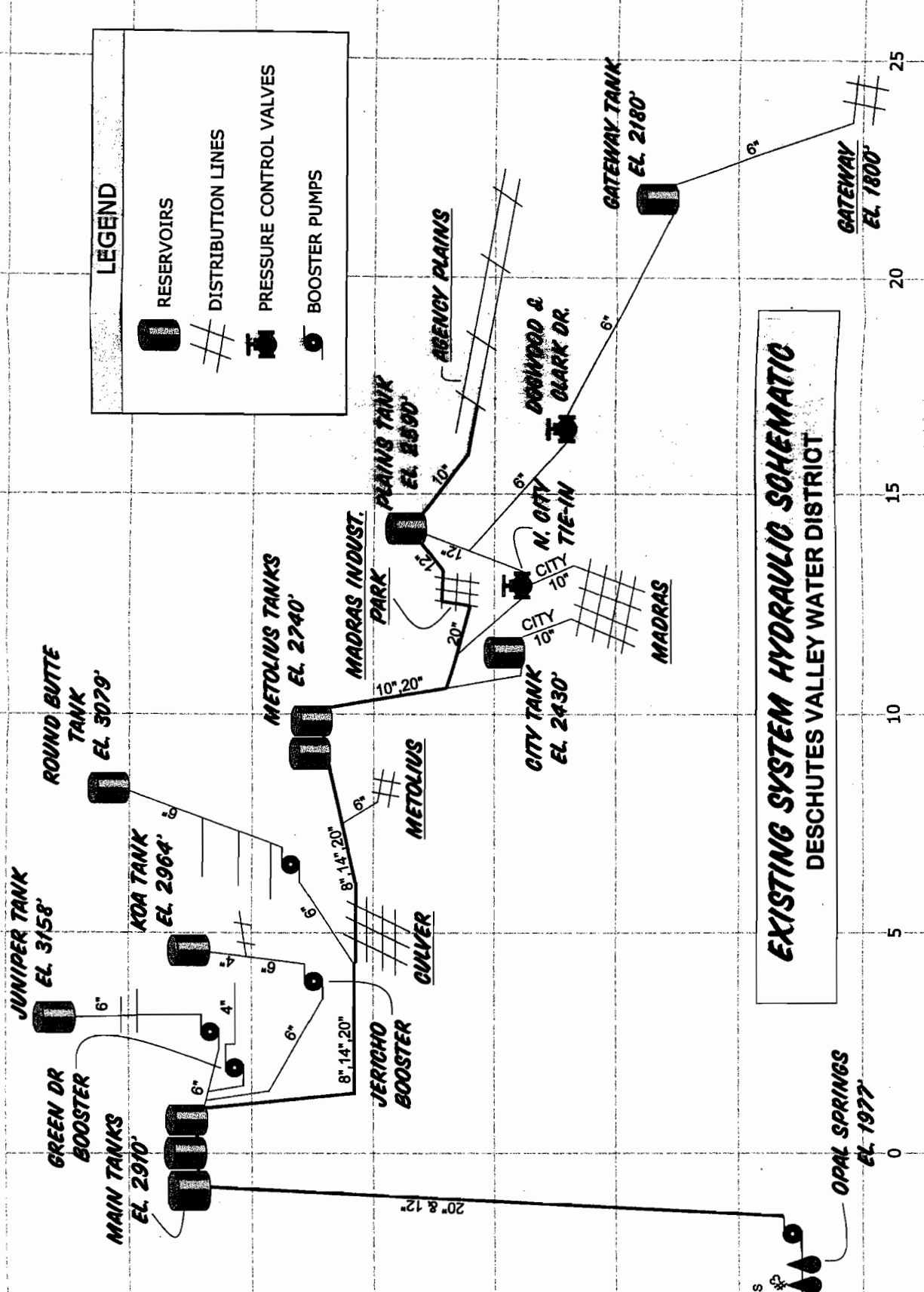
WATER RESOURCES DEPT  
SALEM, OREGON

ELEVATION IN FEET

3200  
3000  
2800  
2600  
2400  
2200  
2000  
1800

**LEGEND**

-  RESERVOIRS
-  DISTRIBUTION LINES
-  PRESSURE CONTROL VALVES
-  BOOSTER PUMPS



**EXISTING SYSTEM HYDRAULIC SCHEMATIC**  
 DESCHUTES VALLEY WATER DISTRICT

0 5 10 15 20 25

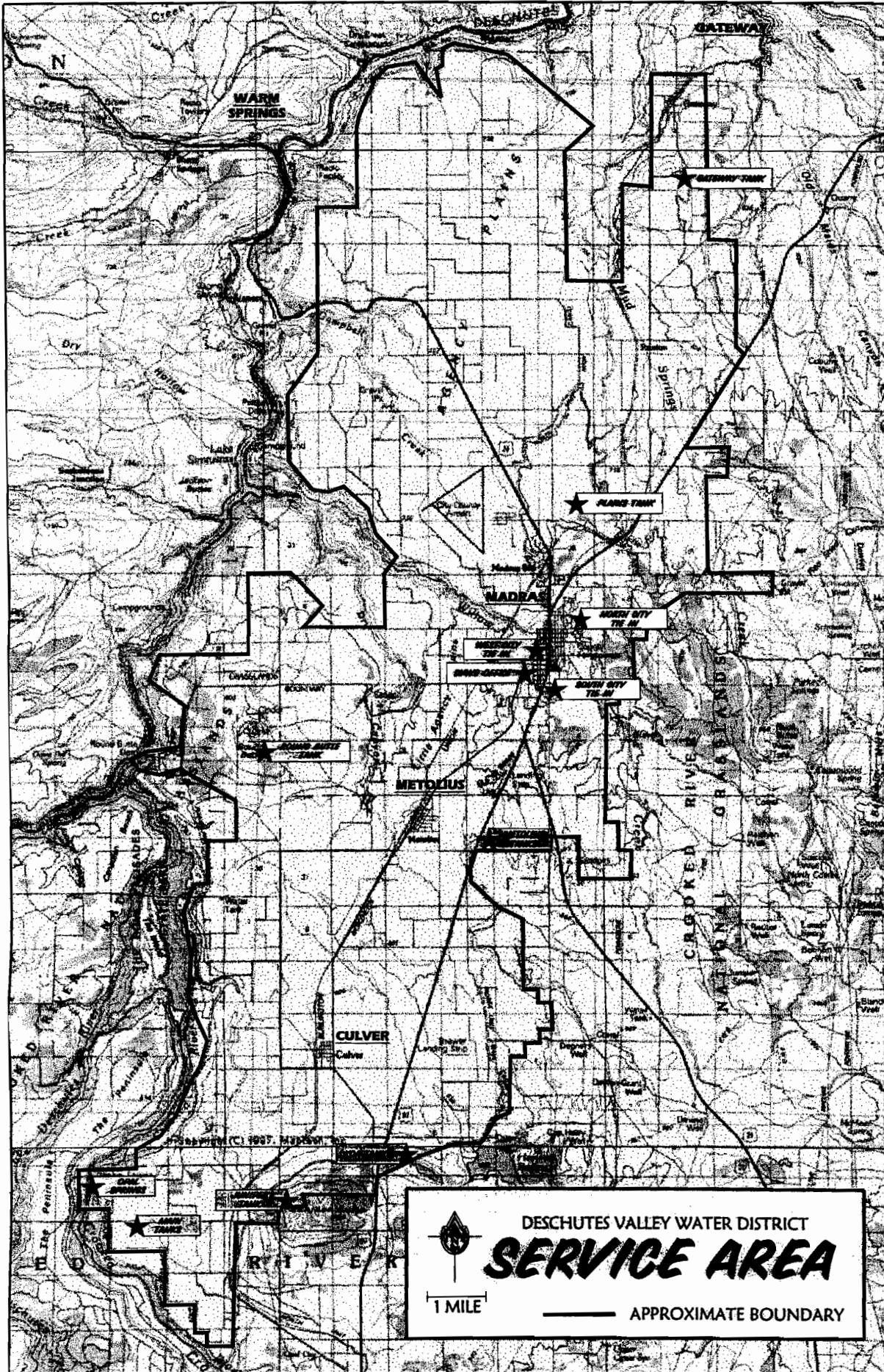
DISTANCE IN MILES FROM MAIN TANKS

**RECEIVED**

MAY 3 2004

WATER RESOURCES DEPT  
SALEM, OREGON

1-9720




T.9720

RECEIVED

MAY 3 2004

WATER RESOURCES DEPT  
SALEM, OREGON


 DESCHUTES VALLEY WATER DISTRICT  
**SERVICE AREA**  
 1 MILE  
 ——— APPROXIMATE BOUNDARY

Attachment C