

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

CLAC
51842
CLAC 51848
WELL I.D.# L02187

(START CARD) # W56081

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

(1) OWNER: Well Number 9
Name Damascus Water District
Address 19750 SE Damascus Lane
City Boring State OR Zip 97009

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Reverse Circulation Rotary

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 1600 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
16	0 275	cement	0 60±	106 SKS	
12	275 553	cement	553+869	100±SKS	
16	553 995				
12	995 1070				

How was seal placed? A B C D E
 Other Special Standard*
Backfill placed from 60 ft. to 275 ft. Material Bentonite & Slough
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+1	869	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	*14	16	56	.375	<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"/>
Liner:	10	980	1146	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 869

(7) PERFORATIONS/SCREENS:

Perforations Method Air Rotary
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
1115	1145	2x1	3000			<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"/>

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

Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1528	67		1 hr.
1528	72		24hr.

See Attached Graphs for more Data
Temperature of water 64° F Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom WF & R lab
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____
SET# 9642

(9) LOCATION OF WELL by legal description:
County Clackamas Latitude _____ Longitude _____
Township 1S N or S Range 3E E or W. WM. _____
Section 35 SE 1/4 SE 1/4 _____
Tax Lot 1501 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) NYA

(10) STATIC WATER LEVEL:
781 ft. below land surface. Date 5/2/97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 1st significant @ approx. 884

From	To	Estimated Flow Rate	SWL
1115±	1145	200-300	780±
1550	1597	2000±	see (10)
Other basalts between above intervals may also be contributing.			
844	852	50	350±

(12) WELL LOG:
Ground Elevation Approx. 900' - 950'

Material	From	To	SWL
See Attached Log			

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Date started 12/22/94 Completed 5/7/97
(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 _____ WWC Number 1367 Date 6/6/97
(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 Stephen Schmeckel WWC Number 649 Date 6/6/97

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Damascus Water District Well No. 9 Log
SC#56081 - ID# L02187
By Schneider Drilling Co. - May, 1997

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<u>DEPTH</u>		<u>DESCRIPTION</u>
<u>FM</u>	<u>TO</u>	
0	3	Fill, clay, brown
3	5	Clay, brown
5	10	Clay, red, w/basalt gravels
10	17	Clay, multi-colored, w/basalt gravels
17	28	Clay, tan-brown, w/some basalt gravel
28	35	Basalt, boulders, w/some clay, brown
35	38	Basalt, boulders
38	39	Basalt, boulders, gray
39	47	Cobbles & boulders
47	49	Basalt, cobbles & boulders
49	60	Clay, brown & red, sticky
60	65	Gravel 3"- & clay, red & brown
65	85	Gravel 3"- & clay, brown
85	96	Gravel 3"-, w/clay, brown & blk, sandy
96	104	Gravel, 3"- & clay, brown-gray-red
104	108	Sand, med-coarse, compacted, w/some clay, brown
108	119	Gravel 3"- & clay, brown
119	121	Clay, brown, gritty
121	158	Gravel 3"- & clay, brown & grey, some sandy
158	160	Clay, brown, gritty, sandy
160	165	Gravel 3"- & clay, brown
165	171	Gravel, w/clay, tan & brown, soft
171	181	Clay, tan & brown & gravel 3"-, soft
181	188	Pea gravel & sand, med-coarse, compacted
188	192	Clay, tan, sticky, w/some gravel, small
192	204	Clay, brown, med
204	212	Clay, brown, fine, sandy, soft
212	219	Clay, tan & brown, med
219	225	Clay, brown, med-sandy, dry, w/some gravel
225	233	Clay & sand, coarse, brown, w/some small gravel
233	241	Sand, coarse, brown, & some small gravel w/some clay, brown
241	253	Clay, brown, med-coarse, sandy, w/some small gravel
253	264	Clay, tan & brown, firm
264	269	Clay, brown, coarse, sandy, dry
269	272	Gravel 3"-
272	275	Sand, brown, coarse, cemented
275	282	Sand, brown, cemented, hard
282	294	Clay, light brown, sticky
294	310	Gravel 1/2"-
310	326	Gravel, 1/2"- w/some clay, gray
326	354	Gravel 3 1/2"- & sand, med-coarse, some cemented, brown, w/clay, gray
354	379	Sand, brown, med-coarse, cemented, w/some gravel
379	384	Clay, brown, med
384	388	Clay, gray, sticky, gritty

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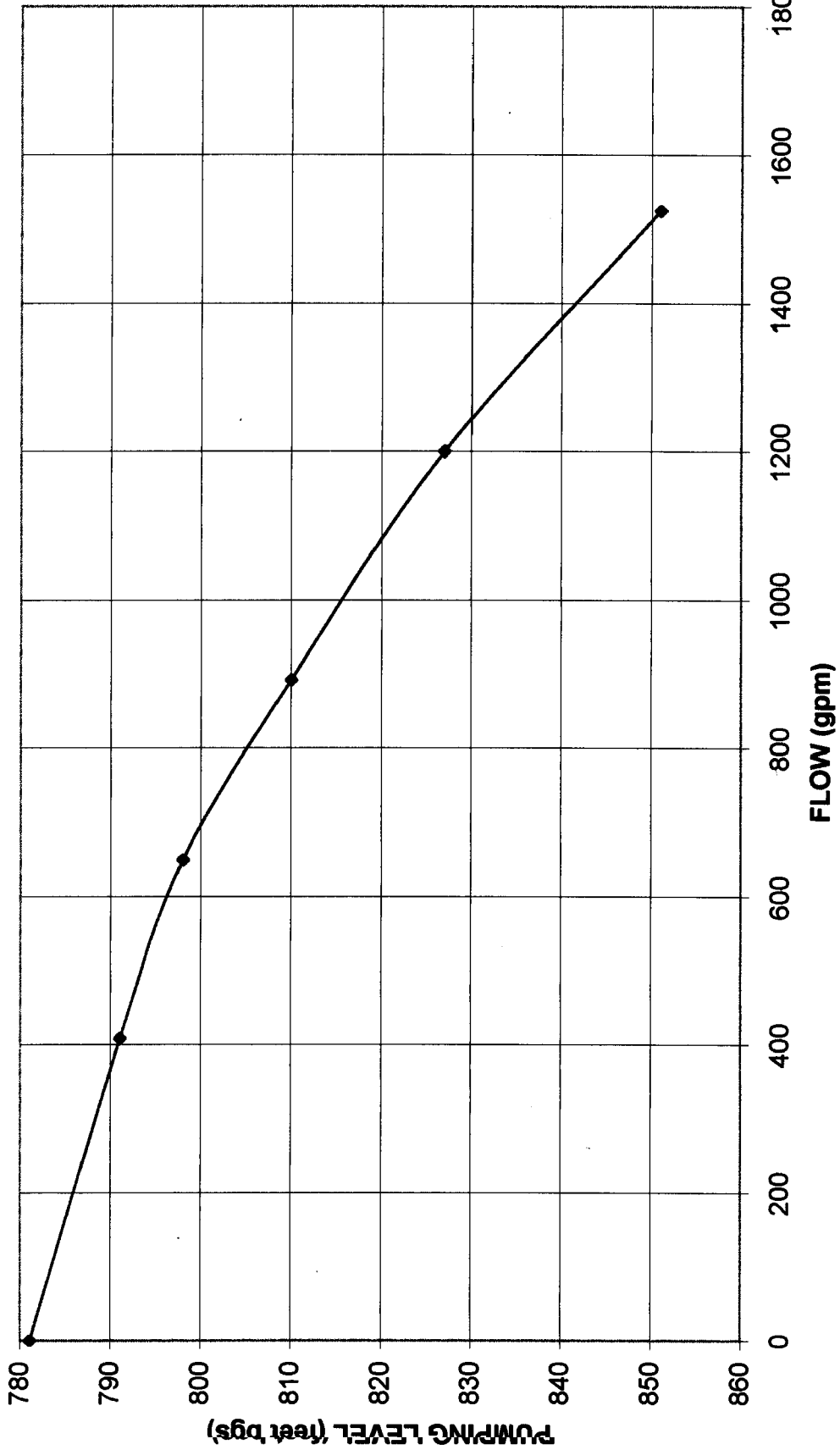
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388	400	Clay, blue-brown, sticky
400	416	Clay, brown, fine, sandy
416	422	Clay, gray & blue, sticky, soft
429	436	Clay, blue green & gray, streaked, med-firm
436	439	Clay, brown-blue-gray, sticky, firm
439	448	Clay, blue-gray-brown, sandy, fine, soft
448	458	Clay, blue, fine, sandy, med-soft
458	472	Clay, blue, sticky, med-firm
472	474	Clay, blue & gray, sticky, firm
474	490	Clay, blue, sticky, firm-med
490	499	Clay, gray & blue, med
499	510	Clay, blue, med
510	516	Clay, gray, med-firm
516	530	Basalt, black, fractured
530	539	Basalt, black, fractured, w/clay, gray
539	548	Basalt, black & brown, fractured, w/some clay, gray
548	551	Basalt, blk, fractured, w/clay, gray, med-hard
551	560	Basalt, blk, & clay, gray, med
560	566	Basalt, drk gray, w/some clay, light gray, med-hard
566	592	Basalt, gray, w/clay, light gray, med
592	613	Basalt, gray, med
613	618	Basalt, gray, med-soft, w/some brown
618	659	Basalt, gray & brown, med
659	739	Basalt, gray w/some brown, med-soft
739	844	Basalt, gray, med
844	852	Basalt, gray, well-fractured, w/some claystone, blue
852	995	Basalt, gray, med-hard, w/some fractures
995	1005	Basalt, gray, fractured, w/some clay, light gray
1005	1011	Basalt, dark gray, fractured
1011	1140	Claystone & clay, gray & green & some brown
1140	1179	Basalt, black, broken, soft, cindery, med-soft
1179	1186	Basalt, black, med, fractured
1186	1192	Basalt, black, soft, cindery, some red
1192	1202	Basalt, black, hard-med
1202	1244	Basalt, red & black, med, frac, some vesicular
1250	1275	Basalt, black, hard to med-hard, fractured
1295	1298	Basalt, gray, very hard
1298	1301	Basalt, black, soft, vesicular
1301	1326	Basalt, gray, very hard
1326	1362	Basalt, black, vesicular, frac, med-soft
1362	1437	Basalt, gray, hard
1437	1440	Basalt, brown & gray, vesicular, soft
1440	1480	Basalt, multi-colored, vesicular, soft
1480	1499	Basalt, gray-black, med
1499	1506	Basalt, gray, w/claystone, very hard
1506	1550	Basalt, black-gray, med
1550	1560	Rock, multi-color, w/claystone, very soft
1560	1565	Basalt, gray, cindery, vesicular, soft
1565	1597	Basalt, gray, vesicular, very soft
1597	1600	Basalt, gray, hard, w/some clay, fractured

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**DAMASCUS WATER DISTRICT WELL NO. 9
STEP TEST 5/1/97, 2HR/STEP
by Schneider Drilling Co.**



**DAMASCUS WATER DISTRICT WELL NO. 9
RECOVERY From 24 HR TEST @ 1528 GPM
By Schneider Drilling Co. - 5/2-6/97**

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