

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

Mack Drilling Company, Inc.  
PO Box 12067  
Salem, OR 97309

WELL I.D. # L 77212 (page one of two)

START CARD # 173672

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

(1) LAND OWNER Well Number 77212  
Name Department of Forestry, Cascade District  
Address 22965 North Fork Rd. SE  
City Lyons State OR Zip 97358

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction:  Yes  No  
Depth of Completed Well 91 ft.  
Explosives used:  Yes  No Type Amount

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
22	0	3	Concrete	0	3	600 lbs
11.25	3	19	Cement	3	19	8 sacks
9.5	19	59	Concrete	91	340	2.3 yards
6	59	340				

How was seal placed: Method  A  B  C  D  E  
 Other Tremied Concrete from bottom up  
Backfill placed from ft. to ft. Material  
Gravel placed from ft. to ft. Size of gravel

Diameter	From	To	Gauge	SEAL			
				Steel	Plastic	Welded	Threaded
Casing: 6	+1	59	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used  Inside  Outside  None  
Final location of shoe(s) 59

(7) PERFORATIONS/SCREENS  
 Perforations Method Holte Air Rotary  
 Screens Type Slots Material

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
42	58	1/4	130	1 1/4		<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"/>

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
3/4	60	85	1 hr

Temperature of water 55 Depth Artesian Flow Found  
Was a water analysis done?  Yes By whom Waterlab  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other  
Depth of strata:

(9) LOCATION OF WELL (legal description)  
County Linn  
Tax Lot 200 Lot  
Township 1 S Range 3 E WM  
Section 2 NE 1/4 SE 1/4  
Lat " or " (degrees or decimal)  
Long " or " (degrees or decimal)

Street Address of Well (or nearest address) Santiam Horse Camp,  
Gates, Or ( off Gates School Rd)

(10) STATIC WATER LEVEL  
12 ft. below land surface. Date 07-12-05  
ft. below land surface. Date  
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES  
Depth at which water was first found 45

From	To	Estimated Flow Rate	SWL
45	56	3/4	12
320	340	trickle	310

(12) WELL LOG Ground Elevation

Material	From	To	SWL
"SEE ATTACHED"			
Baker Hand Pump Installed			
RECEIVED			
AUG 01 2005			
WATER RESOURCES DEPT			
SALEM, OREGON			

Date Started 06-27-05 Completed 06-30-05

(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.

WWC Number 1394 Date 07/12/05  
Signed Eugene T. Clark

(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.

WWC Number 1394 Date 07/12/05  
Signed Eugene T. Clark

DRAFT

DRAFT

DRAFT

DRAFT



**RECEIVED**

AUG 01 2005

# Mack Drilling Company, Inc. WATER RESOURCES DEPT

SALEM, OREGON

Domestic ♦ Commercial ♦ Environmental ♦ Geotechnical Drilling & Well Services

**(1) OWNER: Department of Forestry**  
Cascade District

**Well Number:** 77212  
**Start Card #** 173672

**Address:** 22965 North Fork Rd S

**Site**  
Santiam Horse Camp, Gates

**City:** Lyons, OR 97358

Page two of two

<b>(12) WELL LOG:</b>			
Material	From	To	SWL
*****continued from page one*****			
Slab Rock	0	3	
Top soil w/roots	3	5	
Clay brown to yellow soft to medium	5	11	
Clay stone yellow , gravel small Conglomerate	11	17	
Conglomerate medium hard	17	20	
Clay stone brown - Clay brown some gravel	20	31	
Sand stone grey soft	31	33	
Basalt blk soft	33	35	
Basalt blk hard fractures	35	43	
Basalt blk green Frx's	43	67	
Basalt blk hard red seams	67	89	
Basalt grey hard tan seams	89	105	
Basalt light grey med-hard	105	192	
Clay stone blue hard	192	200	
Clay stone blue	200	205	
Basalt grey	205	215	
Clay stone blue some Basalt	215	220	
Basalt some Clay stone	220	230	
Clay stone soft	230	250	
Clay stone w/Basalt brown green	250	260	
Clay stone w/Basalt w/tan-red-brn seams	260	270	
Basalt fractured grey green seams	270	280	
Basalt blk red-green-brn seams	280	290	
Clay stone dark red to brown firm	290	300	
Basalt dark red to brown	300	320	
Basalt w/Clay stone	320	340	