







Geo-Tech Explorations  
A Division of Boart Longyear  
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DEC 08 2005

WATER RESOURCES DEPT  
SALEM, OREGON

Start Card: 180971  
Well Label: L79882  
Boring #: Chem-Waste Arlington Production Well

**Casing/Liner**

Casing	Liner	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12"	+1	250	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10"	255.97	268.37	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10"	289.54	319.9	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10"	379.41	409.55	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10"	459.78	479.88	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10"	500.08	520.03	.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"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final Location of Shoe(s): 250

**Perforations/Screens**

Perforations      Method: Mills Knife  
 Screens              Type: \_\_\_\_\_ Material: steel

Casing	Liner	From	To	Slot Size	Number	Diameter	Tele/Pipe Size
<input checked="" type="checkbox"/>	<input type="checkbox"/>	215	230	1/4 x 2	180	12"	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	230	243	1/4 x 3	156	12"	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	248.5	255.97	1/8 x 3	46	10"	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	268.37	289.54	1/8 x 3	120	10"	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	319.9	379.41	1/8 x 3	360	10"	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	409.55	459.78	1/8 x 3	286	10"	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	479.88	500.08	1/8 x 3	120	10"	
<input type="checkbox"/>	<input type="checkbox"/>						

**Soil Profile Continued from Log:**

Material	From	To	SWL
Top soil	0	1	
Gravels / cobbles	1	12	
Brown claystone	12	72	
Green claystone, silty - medium-hard	72	88	
Green claystone w/ broken black basalt	88	100	
Black & gray basalt - medium-hard	100	105	
Basalt w/ green claystone	105	110	
Black & gray basalt	110	160	
Grey, brown claystone w/ some black basalt	160	175	

GILL 50167  
**GILL 50167**

Black & grey basalt – medium-hard	175	210	
Basalt w/ brown and green claystone (some wood)	210	220	
Brown broken basalt – weathered	220	230	
Black and brown basalt – medium; fractured	230	265	
Black basalt – slightly fractured; medium	265	283	
Black & gray basalt – some fractures; medium-hard	283	320	
Brown and black basalt – soft	320	334	
Black basalt – medium; fractured	334	373	
Black/brown/red basalt – medium; fractured	373	400	
Black & gray basalt – hard; column	400	410	
Black & gray basalt – fractured; medium-hard	410	430	
Gray basalt – some fractures; hard; column	430	520	

Date Began: 9/08/05

Date Completed: 11/01/05

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