

APR 27 2004

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WATER RESOURCES DEPT
SALEM, OREGON

WELL ID. # L 64545

START CARD # 164209

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

(1) LAND OWNER Well Number _____
 Name RICH KORTGE FARMS
 Address 5215 EMERSON LOOP RD.
 City THE DALLES State OR Zip 97058

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

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

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

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 495 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
19"	0	91'	Cem/Bent	0	91'	90sks w/gel
13 1/2"	91	338'	Cement	0	225	36sks w/gel
10"	338	495				

How was seal placed: Method A B C D E
 Other _____

Backfill placed from 22 ft to 188 ft. Material 6 yds gravel
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14"	0	91'	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10"	+1	338'	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) Trap packer 14"x10"@225'

(7) PERFORATIONS/SCREENS:

Perforations Method Machine Cut
 Screens Type Slot Material Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
238	278	1/8x3	80	10"	Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
278	318	1/4x3	800	10"	Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
318	338	1/8x3	400	10"	Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Time
350		495	1 hr.
300		340	"
200		220	"

Temperature of water 60°F Depth Artesian Flow Found _____
 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: _____

(9) LOCATION OF WELL by legal description:
 County WASCO Latitude _____ Longitude _____
 Township 1S N or S Range 13E E or W WM
 Section 3 NE 1/4 NE 1/4
 Tax Lot 500 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 3200
Japanese Hollow Rd. The Dalles, Or 97058

(10) STATIC WATER LEVEL:
84' ft. below land surface. Date 4-6-04
 Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 10'/229'

From	To	Estimated Flow Rate	SWL
229	360	350+	84

(12) WELL LOG:
 Ground Elevation _____

Material	From	To	SWL
Brn clay	0	6	
Brn cly w/sand-gravel	6	10	
Gravel	10	21	10'
Gry-brn broken basalt	21	35	
Cement conglomerate	35	85	
Brn-gry brn basalt	85	96	
Gry brn basalt w/clystone	96	134	
sand.	134	167	
Soapstone w/weathered			
rock.	167	178	
Gry brn frac basalt w/			
soapstone.	178	219	
Gry-gry brn basalt frac	219	287	84'
Gry blk basalt frac	287	360	84'
Hard gry basalt	360	495	

Date started 3-10-04 Completed 4-6-04

(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 Meri Bigsby WWC Number 1492 Date 4/26/04

(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 1266 Date 4/26/04