

STATE OF OREGON  
**WATER SUPPLY WELL REPORT**  
 (as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 82750  
 START CARD # 181254

**(1) LAND OWNER** Owner Well I.D. Delta Well #8  
 First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
 Company City of Keizer  
 Address 930 Chemewa Rd  
 City Keizer State OR Zip 97307

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

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

**(4) PROPOSED USE**  Domestic  Irrigation  Community  
 Industrial/ Commercial  Livestock  Dewatering  
 Thermal  Injection  Other \_\_\_\_\_

**(5) BORE HOLE CONSTRUCTION** Special Standard  [Attach copy]  
 Depth of Completed Well 328. ft.

BORE HOLE			SEAL				sacks/	
Dia	From	To	Material	From	To	Amt	lbs	
16.	0	165.	Cement	0	60.	20.	S	
12.	165.	328.	Bentonite Chips	60.	70.8	57.	S	
			Cement	70.8	165.	227.	S	
							S	

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

Backfill placed from 167.7 ft. to 170. ft. Material sugar sand  
 Filter pack from 328. ft. to 189. ft. Material pea gravel Size pea gravel  
 Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

**(6) CASING/LINER**

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	12.	<input checked="" type="checkbox"/>	3.3	165.	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10.	<input type="checkbox"/>	168.5	178.5	.365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10.	<input type="checkbox"/>	193.5	208.5	.365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10.	<input type="checkbox"/>	268.5	278.5	.365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	10.	<input type="checkbox"/>	318.5	326.5	.365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Shoe  Inside  Outside  Other Location of shoe(s) 155.5  
 Temp casing  Yes Dia 16. From 0 To 155.5

**(7) PERFORATIONS/SCREENS** Screens Method \_\_\_\_\_  
 Type Wire Wrap Material 304 SS

Perf/	Casing Screen	Dia	From	To	Scrn/slot width	Slot lengt	# of slots	Tele/ pipe size
Screen	Liner	10.	178.5	193.5	.15			10.
Screen	Liner	10.	208.5	248.5	.125			10.
Screen	Liner	10.	248.5	268.5	.09			10.
Screen	Liner	10.	278.5	318.5	.15			10.

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
1,000.	84.1	169	24.

Temperature 56 °F Lab analysis  Yes By \_\_\_\_\_  
 Water quality concerns?  Yes (describe below)  
 From \_\_\_\_\_ To \_\_\_\_\_ Description \_\_\_\_\_ Amount \_\_\_\_\_ Units \_\_\_\_\_  
 Date MAY 24 2006

**(9) LOCATION OF WELL (legal description)**  
 County MARION Twp 6.00 S N/S Range 3.00 W E/W WM  
 Sec 26 NE 1/4 of the SW 1/4 Tax Lot 4000  
 Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
 Lat 45 ° 1 ' 3.000" or 45.0175 DMS or DD  
 Long -123 ° 1 ' 16.000" or -123.02111111 DMS or DD  
 Street address of well  Nearest address

939 Delta Drive NE, Keizer, OR

**(10) STATIC WATER LEVEL**

Existing Well / Predeepening	Date	SWL(psi)	+	SWL(ft)
Completed Well	<u>04-24-2006</u>			<u>72.9</u>

Flowing Artesian?   
 Depth water was first 70.

WATER BEARING ZONES

SWL Date	From	To	found	Est Flow	SWL(psi)	+	SWL(ft)
<u>12-16-2005</u>	<u>70.</u>	<u>150.</u>		<u>1,000.</u>			<u>72.9</u>
<u>04-24-2006</u>	<u>155.</u>	<u>323.</u>		<u>1,000.</u>			<u>72.9</u>

**(11) WELL LOG** Ground Elevation \_\_\_\_\_

Material	From	To
asphalt / top soil fill	0	3.
brown clay	3.	12.
brown tan clay sticky some silt	12.	55.
brown sandy clay	55.	70.
brown sands	70.	72.
small gravels w/ some sand	72.	80.
gravel, cable sands, some cementation	80.	100.
sand / gravels - medium to large	100.	117.
brown gravels, rusty, coarse to medium sand	117.	150.
gray clay	150.	155.
small gravels w/ clay - some cementation	155.	159.
gravels and sand - brown	159.	164.
black gravels & sand - medium/course w/ black	164.	
sand layers		193.
larger gravels w/ sand - 2-3" w/ some cementation	193.	194.
gravels (1.5") w/ clay binder	194.	222.
larger gravels; brown course sands w/ some cementation	222.	256.
brown clay w/ some gravel	256.	262.

Date Started 12-05-2005 Completed 04-26-2006

**(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.  
 License Number 1530 Date 5-23-06  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed Steve Vothard

**(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.  
 License Number 523 Date 5-15-06  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed [Signature]

RECEIVED

MAY 24 2006

WATER RESOURCES DEPARTMENT  
 ORIGINAL - WATER RESOURCES DEPARTMENT





# Oregon

Theodore R. Kulongoski, Governor

Water Resources Department  
 North Mall Office Building  
 725 Summer Street NE, Suite A  
 Salem, OR 97301-1266  
 503-986-0900  
 FAX 503-986-0904

April 3, 2006

RECEIVED  
 5-28-06

GEO TECH EXPLORATIONS  
 ROBERT STADELI #1523  
 19700 SW TETON  
 TUALATIN OR 97062

## FINAL ORDER

Dear Robert:

The Special Standard request you submitted for owner: City of Keizer, Start Card number 181254 is hereby approved for the following: You may *seal* this water well from a depth of 71 ft bgs to 65 ft bgs with unhydrated bentonite due to the cement losses encountered in this interval. The chips may be added until the chips return to theoretical hole volume. Cement must then be substituted for the bentonite. The placement of the bentonite shall conform to the Departments rules and the manufacturers specifications and result in a seal that is free of voids or bridges. Care shall be taken to minimize the introduction of bentonite dust. Only sodium bentonite chips manufactured to be greater than 1/4 inch or tablets shall be used below the water level in the sealing interval. (See OAR 690-220-0060, 690-220-0030 and 690-220-0090). Your Special Standard request form is enclosed.

The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/owner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.

If you have any questions concerning this letter, I may be contacted at (503) 986-0851, or by e-mail at [Kristopher.R.Byrd@wrp.state.or.us](mailto:Kristopher.R.Byrd@wrp.state.or.us).

Sincerely,

Kristopher Byrd  
 Well Construction Program Coordinator  
 Enforcement Section

cc: Joel Jeffery, NW Region Well Inspector  
 File

RECEIVED

MAY 24 2006

WATER RESOURCES DEPT  
 SALEM, OREGON

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.