

(1) OWNER: Well Number: 01  
 Name Umatilla, Inc  
 Address 14891 S Redland Rd  
 City Oregon City State OR Zip 97045

(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 361 ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
11.5	0 38	Cement w/5%	38		
6	38 323	Bentonite		10	9 Sacks
8	323 329	Bentonite	10	0	8 Sacks
6	329 361	Cement	329 323		5 Sacks

How was seal placed: Method  A  B  C  D  E  
 Other Pumped at 329'. Poured Bentonite.  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:  
 Diameter From To Gauge Steel Plastic Welded Threaded  
 Casing: 6 +1.5 329 .250      
 Liner: None  
 Drive Shoe used  Inside  Outside  None  
 Final location of shoe(s) 329'

(7) PERFORATIONS/SCREENS:  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_  
 From To Slot size Number Diameter Telephone size Casing Liner  
None \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
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(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
 Yield gal/min Drawdown Drill stem at Time  
220 \_\_\_\_\_ 359 1 hr.  
75 \_\_\_\_\_ 240 1/2 hr.  
21 \_\_\_\_\_ 200 1/4 hr.

Temperature of Water 58 Depth Artesian Flow found \_\_\_\_\_  
 Was a water analysis done?  Yes By whom Driller, Iron 0.25ppm  
 Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other Iron 3.5ppm  
 Depth of strata: 163-189'

(9) LOCATION OF WELL by legal description:  
 County Clackamas Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Township 2SOUTH N or S. Range 2EAST E or W. of WM.  
 Section 34 NW 1/4 NW 1/4  
 Tax lot 03500 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 Street Address of Well (or nearest address) 14891 S Redland Rd,  
Oregon City, OR

(10) STATIC WATER LEVEL:  
180 ft. below land surface. Date 5/16/2011  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:  
 Depth at which water was first found 9'

From	To	Estimated Flow Rate	SWL
<u>9</u>	<u>28</u>	<u>1</u>	<u>9</u>
<u>163</u>	<u>189</u>	<u>37</u>	<u>N/A</u>
<u>339</u>	<u>361</u>	<u>220</u>	<u>180</u>

(12) WELL LOG:  
 Ground elevation \_\_\_\_\_

Material	From	To	SWL
Top soil, brown	0	2	
Clay w/sand, brown packed	2	32	
Clay, bluish-gray sandy	32	40	
Sand, brown cemented	40	48	
Sand, brown packed	48	62	
Sand, brown cemented	62	68	
Sand, brown w/mica	68	79	
Sand, brown w/mica & small gravels, fine	79	125	
Clay, gray	125	137	
Clay, gray stiff	137	163	
Sand, coarse slightly cemented w/wood, multicolored	163	189	
Clay, w/sand, gray packed	189	196	
Sand, cemented w/wood & clay, gray	196	199	
Sand, coarse w/wood, green	199	203	
Clay, gray sandy	203	206	
Sand, gray fine	206	210	
Sand, cemented w/wood & clay, brown	210	218	
Clay, gray sandy	218	230	
Clay, gray stiff @times	230	269	
Clay, gray sandy w/wood	269	297	

Continued on next page

Date started 5/5/2011 Completed 5/16/2011

(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 [Signature] WWC Number 1884  
 Date 5/23/2011  
**Skyles Drilling, Inc.**

(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 1592  
 Date 5/23/2011  
**Skyles Drilling, Inc.**

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 Special Construction approval  Yes  No Depth of Completed Well \_\_\_\_\_ ft.  
 Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_  

HOLE		SEAL		Amount
Diameter	From	To	Material	sacks or pounds

  
 How was seal placed: Method  A  B  C  D  E  
 Other  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

**(6) CASING/LINER:**  

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:							
Liner:							

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

**(7) PERFORATIONS/SCREENS:**  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_  

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner

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

Yield gal/min	Drawdown	Drill stem at	Time

  
 Temperature of Water \_\_\_\_\_ 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: \_\_\_\_\_

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 \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

**(11) WATER BEARING ZONES:**  
 Depth at which water was first found \_\_\_\_\_  
 \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Estimated Flow Rate \_\_\_\_\_ SWL \_\_\_\_\_

**(12) WELL LOG:**  

Material	Ground elevation		SWL
	From	To	
Clay, blue & brown stiff	297	316	
Claystone, brown & blue	316	324	
Basalt, gray	324	339	
Basalt, gray w/blue & tan streaks fractured	339		358 180
Basalt, gray & black fractured	358	361	180

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