

UMAT RECEIVED

WATER DRILLING

Umat 56680 02

Amended

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

OCT 01 2010

WATER RESOURCES DEPT

WELL ID # 102128 102128  
START CARD # 202667

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

(1) LAND OWNER  
Name Milton-Freewater United School District #47 Well Number \_\_\_\_\_  
Address 1020 S. Mill St.  
City Milton-Freewater State OR Zip 97862

(2) TYPE OF WORK  
 New Well  Deepening  Alteration (repair/condition)  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 500ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL			
Diameter	From To	Material	From To	Sacks or pounds	
Seal Method A		Cement	126	420	121 sacks
Seal Method C		Cement	0	126	196 sacks

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

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from 500ft. to 420ft. Size of gravel pea

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	T2	420	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) \_\_\_\_\_

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
60	413	1/4"	4 Rows		8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailor  Air  Flowing Artesian  
Yield gal/min 50t Drawdown \_\_\_\_\_ Drill stem at \_\_\_\_\_ Time \_\_\_\_\_

Temperature of water 58° 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 Umatilla Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 6N N or S Range 35E E or W. WM. \_\_\_\_\_  
Section 23D NW 1/4 SE 1/4  
Tax Lot 1500 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

Street Address of Well (or nearest address) Ferndale Elementary School 5344 West Ferndale Rd, Milton-Freewater, OR

(10) STATIC WATER LEVEL:  
97 ft. below land surface. Date 9-9-10  
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:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Recondition procedure: Perforated 8" casing from 60ft. to 413 ft. Oregon Water Resources ran camera to examine and approve perforations. Placed pea gravel from bottom of hole, 500ft. to 420ft. Installed 6" casing from T2 to 420. Ran 2" grout pipe thru center of casing to grout shoe at 420. Pumped 121 sacks thru grout shoe, sealing from 126 to 420, Method A. Returned 3/4 hrs later, drilled cement shoe out and cleaned hole to bottom, 500ft. Pumped 196 sacks cement between 6" and 8", filling to ground surface, 0 to 126, Method C.			
Cont. Pg. 2			

Date started 8-17-10 Completed 9-9-10

(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 \_\_\_\_\_ WWC Number \_\_\_\_\_ Date \_\_\_\_\_

(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 Patrick Wallace WWC Number 1212 Date 9-28-10

# UMAT 56680

STATE OF OREGON  
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

WELL ID. # L 102146  
START CARD # 202667

(1) LAND OWNER Well Number \_\_\_\_\_  
Name Milton-Freewater Unified School District #17  
Address 1020 S. Mill St.  
City Milton-Freewater State OR Zip 97862

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

HOLE		SEAL		
Diameter	From To	Material	From To	Sacks or pounds
Seal Method A		Cement	126 420	121 sacks
Seal Method C		Cement	0 126	196 sacks

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

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from 500 ft. to 420 ft. Size of gravel Pea

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: <u>6"</u>	<u>+2</u>	<u>420</u>	<u>250</u>	<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) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

Perforations Method Wolfe Perforator  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
<u>60</u>	<u>413</u>	<u>1/4"</u>	<u>4 Rows</u>		<u>8"</u>	<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
<u>50+</u>		<u>500</u>	<u>1 hr.</u>

Temperature of water 58° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom SEP 29 2010  
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 Umatilla Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 6N N or S Range 35E E or W. WM.  
Section 23D NW 1/4 SE 1/4  
Tax Lot 1500 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

Street Address of Well (or nearest address) Ferndale Elementary School  
5344 West Ferndale Rd, Milton-Freewater, OR 97862

(10) STATIC WATER LEVEL:  
97 ft. below land surface. Date 9-9-10  
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:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<u>Recondition procedure:</u>			
<u>Perforated 8" casing from 60ft. to 413 ft. Oregon Water Resources ran camera to examine and approve perforations.</u>			
<u>Placed pea gravel from bottom of hole, 500ft. to 420ft.</u>			
<u>Installed 6" casing from +2 to 420.</u>			
<u>Ran 2" grout pipe thru center of casing to grout shoe at 420.</u>			
<u>Pumped 121 sacks thru grout shoe, sealing from 126 to 420, Method A.</u>			
<u>Returned 36 hrs later, drilled cement shoe out and cleaned hole to bottom, 500ft. Pumped 196 sacks cement between 6" and 8", filling to ground surface, 0 to 126, Method C.</u>			
<u>Cont. Pg. 2</u>			

Date started 8-17-10 Completed 9-9-10

(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 \_\_\_\_\_ WWC Number \_\_\_\_\_ Date \_\_\_\_\_

(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 Patrick Wallace WWC Number 1218 Date 9-28-10

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WATER RESOURCES DEPT  
SALEM, OREGON

# UMAT 56680

## STATE OF OREGON WATER SUPPLY WELL REPORT

(As required by ORS 537.765)

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WELL ID. # L 102146  
START CARD # 202667

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Address 1020 S. Mill St.  
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(2) TYPE OF WORK  
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(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 500 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL			
Diameter	From To	Material	From To	Sacks or pounds	
Seal Method A		Cement	126	420	121 sacks
Seal Method C		Cement	0	126	196 sacks
Seal Method C		Cement	0	30	18 sacks

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

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from 500 ft. to 420 ft. Size of gravel Pea

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing				<input type="checkbox"/>	<input type="checkbox"/>	<input 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) \_\_\_\_\_

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
60	413	1/4"	4 Rows		8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
50+		500	1 hr.

Flowing  Artesian  Air

Temperature of water 58° 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:  
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Tax Lot 1500 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) Ferndale Elementary School  
5342 West Ferndale Rd. Milton-Freewater, OR 97862

(10) STATIC WATER LEVEL:  
97 ft. below land surface. Date 9-9-10  
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:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<u>Recondition procedure: Pg. 2</u>			
<u>Over-drilled the 8" casing with 12" casing down to 30ft. Pressure grouted from 30 ft. back to land surface with 18 sacks cement Method C.</u>			
<u>Special standards granted 8-13-10</u>			
<u>Special standards granted 9-9-10</u>			
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SEP 29 2010			
WATER RESOURCES DEPT SALEM, OREGON			

Date started 8-17-10 Completed 9-9-10

(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.  
WWC Number \_\_\_\_\_  
Signed \_\_\_\_\_ Date \_\_\_\_\_

(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.  
WWC Number 1218  
Signed Patrick Wilcox Date 9-28-10