

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

WELL I.D. # 51283
START CARD # 138432

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

(1) OWNER: Well Number Cemetery well
Name City of Moro
Address PO 130x 231
City Moro State OR Zip 97039

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Reverse circulation rotary

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 905 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
16	0	600	Bentonite	0	18	12 SKS
12	600	905	Cement	18	597	269 SKS

How was seal placed: Method A B C D E
 Other Bentonite was poured & probed
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: 12	+2	597	375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 10	587	905	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) cementing shoe @ 597 - drilled out

(7) PERFORATIONS/SCREENS:

Perforations Method factory mill

* Screens Type shape wirewrap Material 304SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
* 700	705	250	cont	10	PS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
705	746	2x3	1600			<input type="checkbox"/>	<input checked="" type="checkbox"/>
844	905	2x3	2400			<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
540	3		1 hr.
540	3		12 hr.

Temperature of water 62°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 Sherman Latitude _____ Longitude _____
Township 15 N or S Range 17E E or W. WM.
Section 18 NW 1/4 NE 1/4
Tax Lot 200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) NYA - next to cemetery, off 4th St, Moro, OR

(10) STATIC WATER LEVEL:
609 ft. below land surface. Date 2/8/02
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 271

From	To	Estimated Flow Rate	SWL
271	383 50-100		240
649	701	see (8)	see (10)
865	904		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
see attached log			

Date started 11/15/02 Completed 2/8/02
(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 Steve U WWC Number 1530 Date 2/22/02

(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 Steve S WWC Number 649 Date 2/22/02

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City Of Moro

by Schneider Drilling Co.

Start Card #138432 Label # 151283

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	1	Top Soil
1	15	Loam, brown, sandy
15	18	Claystone, brown & white, medium
18	22	Basalt, black-brown, medium-soft, broken, vesicular
22	50	Basalt, grey-brown, medium-soft, broken
50	68	Basalt, black, medium, fractured
68	80	Basalt, grey, hard
80	83	Basalt, grey & brown, medium-soft, broken
83	115	Basalt, grey & brown, medium-hard, fractured
115	271	Basalt, grey, hard
271	287	Basalt, grey & brown, soft, fractured & broken, vesicular
287	308	Basalt, dark grey, medium-hard, fractured
308	311	Basalt, grey & brown, medium-hard
311	319	Basalt, grey & brown & red, medium, vesicular
319	333	Basalt, grey & brown & red, soft, vesicular
333	338	Basalt, dark grey, medium-hard
338	340	Basalt, weathered, soft
340	365	Basalt, dark grey, medium-hard, fractured w/ white crystals
365	375	Basalt, black, medium-hard, fractured, vesicular w/ white crystals
375	376	Basalt, grey, medium, fractured, vesicular w/ claystone & clay, grey, soft
376	378	Basalt, brown & grey, medium, vesicular
378	383	Basalt, dark grey, medium-hard, vesicular
383	427	Basalt, grey, hard
427	430	Basalt, grey, broken
430	453	Basalt, grey, medium-hard
453	480	Basalt, grey, hard
480	482	Basalt, grey & brown, soft, broken, vesicular
482	490	Basalt, grey & brown, medium, vesicular w/ some crystals
490	513	Basalt, grey, hard
513	518	Basalt, grey w/ brown, medium-soft fractured w/ some crystals
518	550	Basalt, grey, medium-soft, fractured, vesicular
550	580	Basalt, grey - dark grey, medium-hard, some fractures, vesicular

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580 649 Basalt, grey - dark grey, hard
649 662 Basalt, brown & black, medium, broken, vesicular
662 667 Basalt, dark grey, hard, some fractures
667 669 Basalt, black & brown & yellow-gold, medium, broken
669 677 Basalt, dark grey, hard, some fractures
677 687 Basalt, brown & black, vesicular, broken w/ some claystone, tan, soft
687 701 Basalt, black & brown, very vesicular, medium
701 802 Basalt, grey, hard, some fractures
802 807 Basalt, dark grey w/ green & brown, medium-hard, fractured
807 810 Basalt, dark grey, hard
810 829 Basalt, grey, hard
829 838 Basalt, grey, hard, some fractures & vesicles
838 847 Basalt, grey, hard, some fractures
847 860 Basalt, grey, hard fractured w/ some white crystals
860 865 Basalt, grey, hard, fractured
865 870 Basalt, grey, hard, fractured w/ some pyrite
870 872 Basalt, brown & grey, medium, fractured
872 875 Basalt, grey & brown, medium, weathered, vesicular
875 884 Basalt, grey, medium, vesicular, fractured w/ some pyrite
884 886 Basalt, grey, hard, some fractures
886 889 Basalt, dark grey, broken, vesicular
889 890 Basalt, dark grey, hard, some fractures
890 891 Basalt, dark grey, broken, vesicular
891 895 Basalt, dark grey, hard, some fractures, vesicular w/ pyrite .
895 896 Basalt, dark grey & brown, medium, fractured, vesicular w/ pyrite
896 903 Basalt, grey, hard, some fractures, vesicular
903 904 Basalt, grey, hard, some fractures, vesicular w/ crystals & pyrite
904 905 Basalt, grey, hard

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