

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

WWR 1416 Page 1

RECEIVED

MAR 15 1984

11/42E-14b

PLEASE TYPE or PRINT IN INK
WATER RESOURCES DEPT.
SALEM, OREGON

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address BOX 1
 City Wallowa State Oregon

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
 Rotary Mud Dug
 Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Irrigation Withdrawal ReInjection
 Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
 Threaded Welded
 16" Diam. from + 2' ft. to 133 ft. Gauge 375
 14" Diam. from + 3' ft. to 460 ft. Gauge 375

LINER INSTALLED:

Steel Plastic
 Threaded Welded
 10.3" Diam. from 449 ft. to 864 ft. Gauge 365

(6) PERFORATIONS:

Perforated? Yes No
 Size of perforations in. by in.
 180 perforations from 440 ft. to 460 ft.
 6225 perforations from 449 ft. to 864 ft.

(7) SCREENS:

Well screen installed? Yes No
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? Valley Pump
 Id: 1700 gal./min. with 94 ft. drawdown after 5 hrs.
 Air test 2000+ gal./min. with drill stem at 450 ft. 4 hrs.
 Bailer test -0- gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow -0- g.p.m.
 Temperature of water 52 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
 Well seal—Material used cement grout
 Well sealed from land surface to 133 ft.
 Diameter of well bore to bottom of seal 20 in.
 Diameter of well bore below seal 15 1/4 in.
 Amount of sealing material 136 sacks pounds
 How was cement grout placed? Pressure pumped with grout pump from bottom to top.
 Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____

Was well gravel packed? Yes No Size of gravel: _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County Wallowa N. 1/4 of Section 14 of Township 1-N Range 42 east W.M.
 (Township is North or South) (Range is East or West)
 Tax Lot _____ Lot 1 Block 13 Subdivision Mc Donald add to Wallowa 30' S of 20' W.
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 412' ft.
 Static level 106 ft. below land surface. Date 1/27/84
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____
 Depth drilled 867 ft. Depth of completed well 864 ft.
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
(note) Hole was drilled with mud to 864'. There was very little or no mud loss until the flow was drilled into at 844 to 862' then we switched to air & cleaned hole out to check water flow at 106'. We also ran a T.V. camera in with a flag attached to it, to see if there were any thief zones or water tranfur, the entire hole was static.			
brown sandy topsoil	0	18	
cobble, sandy boulder,			
gravel, sand loose foration trace	18	40	
cobble, boulders, gravel mixed with brown clay			
fractured black basalt	40	123	
fractured black basalt	123	131	
hard black basalt	131	140	

Date work started Oct 23, 1984 completed Feb 13, 1984
 Date well drilling machine moved off of well _____ 19

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond U 43-82-45 Issued by: United Pacific Insur
 (number) (Surety Company Name)
 On behalf of Leach Well Drilling n. Inc
 (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(Signed) WWR 1268 Nathaniel A. Clark
 (Water Well Constructor)

(Dated) March 12, 1984

NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP# 45866-690

FEB 21 2012

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

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1W/42E-14B

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
 Rotary Mud Dug
 Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Thermal Irrigation Withdrawal ReInjection
 Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Threaded Plastic Welded
 _____" Diam. from _____ ft. to _____ ft. Gauge _____
 _____" Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Threaded Plastic Welded
 _____" Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No
 Size of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No
 Manufacturer's Name _____ Model No. _____
 Type _____ Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level.
 Was a pump test made? Yes No If yes, by whom? _____
 _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 _____ temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
 Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____
 Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____
 Was well gravel packed? Yes No Size of gravel: _____
 _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ ¼ _____ ¼ of Section _____ of
 Township _____ Range _____ WM.
(Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.
 Static level _____ ft. below land surface. Date _____
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____ ft.
 Depth drilled _____ ft. Depth of completed well _____ ft.
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soft brown porous basalt with cracks & crevices filled with tan soft to hard brittle clay seams	140	170	
Med to hard black & brown fractured basalt with brittle tan clay	170	190	
soft brown & black fractured basalt with soft tan clay mud	190	235	
soft to hard layers of basalt with soft to hard brittle tan clay	235	265	
very soft brown basalt & clay tan color	265	291	

Date work started _____ /completed _____
 Date well drilling machine moved off of well _____ 19 _____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond _____ (number) Issued by: _____ (Surety Company Name)

On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(Signed) *Nicholas L. Lovel*
 (Water Well Constructor)

(Dated) _____

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NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

BP 46866-600

FEB 21 2012

WATER RESOURCES DEPT
 SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.785)

Page 3

1N/4E-14b

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven

Rotary Mud Dug

_____ Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal

Irrigation Thermal Withdrawal ReInjection

Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
 Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____
 _____ " Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Plastic
 Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? _____
 _____ id: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 _____ temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____

Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____
 Were well gravel packed? Yes No Size of gravel: _____
 _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of
 Township _____, Range _____, W.M.
 (Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.
 Static level _____ ft. below land surface. Date _____
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____ ft.

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Med, hard fractured curised black & brown red, black basalt, med	291	320	
hard gray, black basalt with crevesies	320	330	
very hard black basalt	330	345	
med hard black brown basalt some porous, some tan brittle clay, very badly crevises	345	365	
red cinders, soft, some porous basalt mixed	365	375	
orange colored soft clay brown & red basalt broken to fractured	375	382	

Date work started _____ /completed _____
 Date well drilling machine moved off of well _____ 19 _____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond _____ (number) Issued by: _____ (Surety Company Name)
 On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) *Nathaniel D. Leach*
 (Water Well Constructor)

(Dated) _____

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FEB 21 2012

NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP-46866-690

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

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1N/42E-146

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
 Rotary Mud Dug
 _____ Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Thermal Withdrawal ReInjection
 Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
 Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____
 _____ " Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Plastic
 Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No
 Size of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
 _____ Id: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 _____ temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____

 Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No _____ Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____

Was well gravel packed? Yes No _____ Size of gravel: _____
 _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of
 Township _____, Range _____, W.M. _____
 (Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.
 Static level _____ ft. below land surface. Date _____
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	BWL
broken med, hard, brown & black basalt with yellow brittle clay	382	395	
hard crevices black basalt with fractures	395	412	
soft to hard red black & brown basalt, some porous	412	440	106'
<i>(Water Bearing Formation)</i>			
black med hard fractured basalt, some porous mixed	440	464	
hard gray black basalt	464	474	
broken crevices clay black basalt	474	482	
red rusty color clay soft	482	507	

Date work started _____ /completed _____
 Date well drilling machine moved off of well _____ 19 _____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond _____ (number) Issued by: _____ (Surety Company Name)
 On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

(Signed) Markend L. Seel
 (Water Well Constructor)

(Dated) _____

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NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP-46866-690

FEB 21 2012

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.785)

page 5

1W/42E-146

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa

Address _____

City _____

State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven

Rotary Mud Dug

_____ Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal

Irrigation Thermal Withdrawal ReInjection

Other: Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic

Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____

_____ " Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Plastic

Threaded Welded

_____ " Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?

_____ gal./min. with _____ ft. drawdown after _____ hrs.

Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used _____

Well sealed from land surface to _____ ft.

Diameter of well bore to bottom of seal _____ in.

Diameter of well bore below seal _____ in.

Amount of sealing material _____ sacks pounds

How was cement grout placed? _____

Was pump installed? _____ Type _____ HP _____ Depth _____ ft.

Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? Yes No

Type of Water? _____ depth of strata _____

Method of sealing strata off _____

_____ Yes No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of

Township _____ (Township is North or South) Range _____ (Range is East or West) WM.

Tax Lot _____ Lot _____ Block _____ Subdivision _____

MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.

Static level _____ ft. below land surface. Date _____

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
very soft brown basalt with yellow clay broken	507	524	
badly crevices hard basalt black color	524	527	
red & black, very soft basalt a little porous	527	540	
very soft black basalt	540	542	
red, very soft brittle clay	542	552	
hard black fractured basalt	552	570	
dense hard black basalt with grey color mixed	570	592	
Med hard crevices basalt grey, black color	592	597	
dense gray, black basalt	597	620	

Date work started _____ /completed _____
 Date well drilling machine moved off of well _____ 19 _____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

(Signed) _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond _____ (number) Issued by: _____ (Surety Company Name)

On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) *Richard L. Lavel*
 (Water Well Constructor)

(Dated) _____

RECEIVED

FEB 21 2012

NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP-46866-890

WATER RESOURCES DEPT
 SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.795)

Page 6

1W/42E-146

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Abr Driven Domestic Industrial Municipal
 Rotary Mud Dug Irrigation Thermal Withdrawal ReInjection
 Other: Bored Piezometric Grounding Test

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Irrigation Thermal Withdrawal ReInjection
 Other: Bored Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
 Threaded Welded

_____ ' Diam. from _____ ft. to _____ ft. Gauge _____
 _____ ' Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Plastic
 Threaded Welded

_____ ' Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Size of perforations _____ in. by _____ Perforated? Yes No
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? _____
 _____ d: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailor test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 _____ temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____

Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____
 _____ Yes No Size of gravel _____
 Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of
 Township _____, Range _____, WM. _____
 (Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.
 Static level _____ ft. below land surface. Date _____
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
hard crevised basalt, gray			
black color	620	635	
red brittle clay	635	641	
med hard black fractured basalt	641	662	
med, soft brown basalt with crevices	662	668	
hard crevices basalt with light tan soft clay	668	675	
med, hard black broken basalt, light tan soft clay brittle	675	708	
med, hard broken basalt with blue soft brittle clay	708	727	
hard crevices black with blue brittle clay	727	734	
Date work started _____ /completed _____			
Date well drilling machine moved off of well _____			19 _____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:

Bond _____ Issued by: _____
 (number) (Surety Company Name)
 On behalf of _____
 (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) Matthew L. Spool
 (Water Well Constructor)

(Dated) _____

FEB 21 2012

NOTICE TO WATER WELL CONSTRUCTOR
 The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
 SALEM, OREGON 97310
 within 30 days from the date of well completion.

8P*48866-690

WATER RESOURCES DEPT
 SALEM, OREGON

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

Page 7

1N/42E-146

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Willowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):

Rotary Air Driven Domestic Industrial Municipal
 Rotary Mud Dog Irrigation Thermal Withdrawal ReInjection
 Piezometric Bored Other: Grounding Test

(5) CASING INSTALLED: Steel Plastic
 Threaded Welded

" Diam. from _____ ft. to _____ ft. Gauge _____
 " Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED: Steel Plastic
 Threaded Welded

" Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS: Perforated? Yes No

Size of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS: Well screen installed? Yes No

Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
 Id: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION: Special standards: Yes No

Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____
 Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____

Method of sealing _____
 Was seal gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of
 Township _____ Range _____ WM.
(Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 MAILING ADDRESS OF WELL (or nearest address) _____

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found _____ ft.
 Static level _____ ft. below land surface. Date _____
 Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG: Diameter of well below casing _____ ft.
 Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
med, hard fractured with brittle tan clay	734	740	
hard crevisses black basalt			
white brittle soft clay	740	747	
very hard gray basalt	747	784	
hard crevisses basalt	784	807	
med, hard brown, black broken basalt with some porous with tan clay, tan soap stone	807	814	
hard black crevisses basalt with blue brittle clay	814	820	
black, brown basalt with tan brittle clay, hard crevisses	820	831	

Date work started _____ /completed _____
 Date well drilling machine moved off of well _____ 19 _____

(unbonded) Water Well Constructor Certification (if applicable):
 This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19 _____

(bonded) Water Well Constructor Certification:
 Bond _____ (number) Issued by: _____ (Surety Company Name)
 On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) *Nathaniel L. Seal*
 (Water Well Constructor)
 (Dated) _____

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 WATER RESOURCES DEPT
 SALEM OREGON

NOTICE TO WATER WELL CONSTRUCTOR
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 SALEM, OREGON 97310
 within 30 days from the date of well completion.

SP*46866-690

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

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name City of Wallowa
 Address _____
 City _____ State _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
 Rotary Mud Dug
 _____ Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
 Thermal: _____
 Irrigation Withdrawal ReInjection
 Other: _____
 Piezometric Grounding Test

(5) CASING INSTALLED:

Steel Plastic
 Threaded Welded
 _____" Diam. from _____ ft. to _____ ft. Gauge _____
 _____" Diam. from _____ ft. to _____ ft. Gauge _____

LINER INSTALLED:

Steel Plastic
 Threaded Welded
 _____" Diam. from _____ ft. to _____ ft. Gauge _____

(6) PERFORATIONS:

Perforated? Yes No
 Size of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot Size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom?
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Air test _____ gal./min. with drill stem at _____ ft. _____ hrs.
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m.
 Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
 Well seal—Material used _____
 Well sealed from land surface to _____ ft.
 Diameter of well bore to bottom of seal _____ in.
 Diameter of well bore below seal _____ in.
 Amount of sealing material _____ sacks pounds
 How was cement grout placed? _____
 Was pump installed? _____ Type _____ HP _____ Depth _____ ft.
 Was a drive shoe used? Yes No Plug _____ Size: location _____ ft.
 Did any strata contain unusable water? Yes No
 Type of Water? _____ depth of strata _____
 Method of sealing strata off _____
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL by legal description:

County _____ 1/4 _____ 1/4 of Section _____ of
 Township _____, Range _____, WM.
(Township is North or South) (Range is East or West)
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
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 Depth drilled _____ ft. Depth of completed well _____ ft.
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
hard crevices basalt with blue brittle clay	831	844	
rusty red broken mixed with hard black basalt soft to hard, also brown & tan broken, very porous	844	862	106'
(WATER BEARING FORMATION)			
hard fractured basalt	862	864	

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FEB 21 2012

WATER RESOURCES DEPT
 SALEM, OREGON

Date work started _____/completed _____
 Date well drilling machine moved off of well _____ 19____

(unbonded) Water Well Constructor Certification (if applicable):

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] _____ Date _____, 19____

(bonded) Water Well Constructor Certification:

Bond _____ (number) Issued by: _____ (Surety Company Name)

On behalf of _____ (type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) _____ (Water Well Constructor)

(Dated) _____

NOTICE TO WATER WELL CONSTRUCTOR
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 SALEM, OREGON 97310
 within 30 days from the date of well completion.

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