

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

*Union 1537*

**RECEIVED** Pg. 1 of 3

SEP 18 1985

*W/39E 220A*

PLEASE TYPE OR PRINT IN IN **WATER RESOURCES DEPT** (for official use only)

**(1) OWNER:**

Name City of North Powder  
 Address P.O. Box 287  
 City North Powder State Ore. 97867

**(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   
 Cable  Bored

**(4) PROPOSED USE (check):**

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

**(5) CASING INSTALLED:**

Steel  Threaded  Plastic  Welded   
 18" Diam. from +2 ft. to 25 ft. Gauge .375  
 12" Diam. from +2 ft. to 227 ft. Gauge .375

**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 Johnson  
 Type Stainless Steel Model No.  
 Diam. 6" Slot Size .020 Set from see pg. 3 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? Contractor  
 Yield: 800 gal./min. with 166 ft. drawdown after 24 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 56\* Depth artesian flow encountered 89 ft.

**(9) CONSTRUCTION:**

Special standards: Yes  No   
 Well seal—Material used Portland Cement  
 Well sealed from land surface to 100 ft.  
 Diameter of well bore to bottom of seal 24" & 18" - 24" to 25' .18" to  
 Diameter of well bore below seal 18 in. 100'  
 Amount of sealing material 22,278. sacks  pounds   
 How was cement grout placed? Pumped  
 Was pump installed? no 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? surface depth of strata 4 ft.  
 Method of sealing strata off casing and grout  
 Was well gravel packed?  Yes  No Size of gravel: 1/8 minus  
 Gravel placed from 100 ft. to 500 ft.

**(10) LOCATION OF WELL by legal description:**

County Union NE 1/4 SW 1/4 of Section 22 of Township 6S Range 39E WM. (Township is North or South) (Range is East or West)  
 Tax Lot Lot Block Subdivision  
 MAILING ADDRESS OF WELL (or nearest address) unknown

**(11) WATER LEVEL of COMPLETED WELL:**

Depth at which water was first found 4 ft.  
 Static level artesian +16 ft. ft. below land surface. Date 8-23-85  
 Artesian pressure 7 lbs. per square inch. Date 8-23-85

**(12) WELL LOG:**

Diameter of well below casing 6"  
 Depth drilled 500 ft. Depth of completed well 500 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
Top Soil	0	4	
Granite Sand Lenses & Clay	4	13	
Lt. Brown Clay & Gravels	13	28	4'
Lt. Brwn. Clay & Gravels with River Rock	28	42	
Brown Clay	42	59	
Brown Clay & Gravels	59	95	Flowing
Brwn. Clay & Granite Sand	95	125	
Dark Gray Clay	125	135	
Dk. Blue Gray Sticky Clay	135	175	
Dk. Green Gray Clay	175	192	
Dk. Green Cray Clay	192	200	
Gravels	200	202	
Sticky Green Clay	202	227	
Clayey Sand	227	233	
Clayey Sand	233	238	
Green Sticky Clay	238	247	
Gray & Green Clayey Sand some Gravel	247	260	
Sticky Gray/Green Clay some Gravels	260	265	
Date work started <u>5-25-85</u> /completed <u>9-11-85</u>			
Date well drilling machine moved off of well <u>9-12</u> 19 <u>85</u>			

**(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] Neil Miller Date 9-14, 19 85

**(bonded) Water Well Constructor Certification:**

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name)  
 On behalf of Buckner Pump Service (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) Robert Buckner (Water Well Constructor)

(Dated) Sept. 14, 1985

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

*See Memo 1537*

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Pg. 2 of 3

SEP 18 1985

*65/39E-22ca*

PLEASE TYPE or PRINT IN INK WATER RESOURCES DEPT.  
**SALEM, OREGON** (for official use only)

**(1) OWNER:**

Name City of North Powder  
 Address P.O. Box 287  
 City North Powder State Ore. 97867

**(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   
 Cable  Bored

**(4) PROPOSED USE (check):**

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

**(5) CASING INSTALLED:**

Steel  Plastic   
 Threaded  Welded

18" " Diam. from +2 ft. to 25 ft. Gauge .375  
 12" " Diam. from +2 ft. to 227 ft. Gauge .375

**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 Johnson  
 Type Stainless Steel Model No. \_\_\_\_\_  
 Diam. 6" Slot Size .020 Set from see pg. 3 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 Contractor  
 " :ld: 800 gal./min. with 166 ft. drawdown after 24 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 56\* Depth artesian flow encountered 59 ft.

**(9) CONSTRUCTION:**

Special standards: Yes  No

Well seal—Material used see page 1  
 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: \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(10) LOCATION OF WELL by legal description:**

County Union NE ¼ SW ¼ of Section 22 of  
 Township 6S Range 39E WM.  
 (Township is North or South) (Range is East or West)  
 Tax Lot \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
 MAILING ADDRESS OF WELL (or nearest address) unknown

**(11) WATER LEVEL of COMPLETED WELL:**

Depth at which water was first found 4 ft.  
 Static level artesian +16 ft. ft. below land surface. Date 8-23-85  
 Artesian pressure 7 lbs. per square inch. Date 8-23-85

**(12) WELL LOG:**

Diameter of well below casing 6"

Depth drilled 500 ft. Depth of completed well 500 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
Claystone (Rock Bonded Conglo.)	265	273	
Green Gray Clayey Sand	273	276	
Coarse Gray/Green Clay some			
Browns A Little Bk. Sand	276	283	
Green Sandy Soft Clayey Sand			
A Little Black Sand	283	304	
Clay with Gravel	304	309	
Clayey Sand	309	315	
Clay and Fine Sandy Clayey Sand	315	330	
Sticky Green Clay W/ Some			
Vegetation W/ Coal Strips	330	340	
Sticy Green Gray Clay W/ Sand			
Lenses, Caving Formations	340	360	
Green Gray Less Sticky Clay			
More Sand Lenses	360	365	
Green Gray Clay	365	388	
Lt. Brown Sticky Clayey Sand	388	400	
Lt. Brown & Med. Brown Less			
Sticky Clay W/ Sand	400	437	
Clay, Granite Sand	437	445	

**(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] [Signature] Date 9-14, 1985

**(bonded) Water Well Constructor Certification:**

Bond 10596951 Issued by: AMWEST  
 (number) (Surety Company Name)  
 On behalf of Buckner Pump Service  
 (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) [Signature]  
 (Water Well Constructor)  
 (Dated) Sept. 14, 1985

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

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SEP 18 1985

Pg 3 of 3 65/39E-22 CW

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

See UMI 1537

PLEASE TYPE OR PRINT WATER RESOURCES DEPT

SALEM, OREGON

(for official use only)

(1) OWNER:

Name City of North Powder Address P.O. Box 287 City North Powder State Ore. 97867

(2) TYPE OF WORK (check):

New Well [x] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [ ] Driven [ ] Rotary Mud [ ] Dug [ ] Cable [x] Bored [ ]

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [x] Thermal: Irrigation [ ] Withdrawal [ ] Reinjection [ ] Other: Piezometric [ ] Grounding [ ] Test [ ]

(5) CASING INSTALLED:

Steel Threaded [x] Plastic Welded [ ]

18" Diam. from +2 ft. to 25 ft. Gauge 375 12" Diam. from +2 ft. to 227 ft. Gauge 375

LINER INSTALLED:

Steel Threaded [ ] Plastic Welded [ ]

(6) PERFORATIONS:

Perforated? [ ] Yes [x] No

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

(7) SCREENS:

Well screen installed? [x] Yes [ ] No

Manufacturer's Name Johnson Type Stainless Steel Model No. Diam. 6" Slot Size .020 Set from see pg. 1 to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [x] Yes [ ] No If yes, by whom? Contractor Field: 800 gal./min. with 166 ft. drawdown after 24 hrs.

(9) CONSTRUCTION:

Special standards: Yes [ ] No [x]

Well seal—Material used see pg. 1 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. Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:

County Union NE 1/4 SW 1/4 of Section 22 Township 6S Range 39E WM. Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 4 ft. Static level artesian+16 ft. below land surface. Date 8-23-85 Artesian pressure 7 lbs. per square inch. Date 8-23-85

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 500 ft. Depth of completed well 500 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.

Table with columns: MATERIAL, From, To, SWL. Rows: Green Sticky Clay (445-450), Brown Clayey Sand, Sand Lens (450-490), Brown Clayey Sand W/ Traces of Fine Black Sand (490-500)

Table with columns: (1) 6" dia. -.020 slot-227' to 237', (2) " " " " -250' to 255', (3) " " " " -265' to 275', (4) " " " " -300' to 310', (5) " " " " -315' to 330', (6) " " " " -340' to 360', (7) " " " " -370' to 380', (8) " " " " -430' to 440', (9) " " " " -480' to 490'

Date work started 5-25-85 /completed 9-11-85 Date well drilling machine moved off of well 9-12 19 85

(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 9-14, 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

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(Dated) Sept. 14, 1985