

STATE ENGINEER
Salem, Oregon

WASCO
003322

Well Record

WELL #1

STATE WELL NO. *da* 2N/13-32J(3)
COUNTY Wasco
APPLICATION NO. U-203

OWNER: Chenoweth Irrigation Coop

MAILING ADDRESS:

LOCATION OF WELL: Owner's No. 1

CITY AND STATE:

The Dalles, Oregon

NE ¼ SE ¼ Sec. 32 T. 2 N. 8 R. 13 E. W W.M.

Bearing and distance from section or subdivision corner

Section 32

Altitude at well 158 +

TYPE OF WELL: drilled Date Constructed 1946

Depth drilled 258 Depth cased 13

CASING RECORD:

16 INCH SET FROM 0 TO 13 FEET

FINISH:

AQUIFERS:

flow br^eccia (?) from 237 to 248 ft.

WATER LEVEL:

86 ft. below land surface, May 1946

PUMPING EQUIPMENT: Type _____ H.P. _____
Capacity _____ G.P.M.

WELL TESTS:

Drawdown 1 ft. after _____ hours pumping 920 G.P.M.

Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER public supply Temp. 70 °F. May, 1946

SOURCE OF INFORMATION U-203 - GR-4110

DRILLER or DIGGER _____

ADDITIONAL DATA:

Log Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

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WATER RESOURCES DEPT
SALEM, OREGON

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STATE ENGINEER
Salem, Oregon

State Well No. 2N/13-32J(3)
County Wasco
Application No. ~~2N-236~~ U-203

Well Log

Owner: Chenowith Irrigation Coop Owner's No. 1

Driller: _____ Date Drilled 1946

CHARACTER OF MATERIAL (Measurements are from drilling platform 14" above L.S.D.)	(Feet below land surface)		Thickness (feet)
	From	To	
Soil, sandy	0	10	10
Rock, gray, very hard	10	45	35
Rock, porous, some water	45	60	15
Rock, solid gray	60	63	3
Rock, black porous	63	69	6
Rock, hard gray	69	71	2
Rock, black, porous	71	75	4
Rock, gray hard	75	78	3
Rock, black, porous	78	82	4
Rock, gray, hard	82	85	3
Clay, yellow & blue, black rock & trace of gravel	85	90	5
Rock, black	90	96	6
Blue clay, black & white rock some water	96	105	9
Traces of blue clay, gray, black & white rock ^{some water}	105	162	57
Traces of blue clay, black porous rock, traces of pyrite of iron	162	169	7
Rock, red, porous, and some iron pyrite	169	181	12
Rock, gray, porous, and some iron pyrite	181	188	7
Red and black rock, trace of iron pyrite	188	190	2
Rock, hard, gray	190	192	2
Rock, very hard, red and gray	192	203	11
Rock, very hard, gray	203	237	34

I-40884

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STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

WASC 51598
11-08-2007

WELL LABEL # L
START CARD # 1002500

(1) LAND OWNER
Owner Well I.D.
First Name
Last Name
Company CHENOWITH WATER PUD
Address 2312 WEST 8TH STREET
City THE DALLES State OR Zip 97058-0870

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

(3) DRILL METHOD
Rotary Air
Rotary Mud
Cable
Auger
Cable Mud
Reverse Rotary
Other Pump truck for pipe

(4) PROPOSED USE
Domestic
Irrigation
Community
Industrial/ Commercial
Livestock
Dewatering
Thermal
Injection
Other decommissioned

(5) BORE HOLE CONSTRUCTION
Special Standard
Depth of Completed Well ft.

Table with columns: Dia, From, To, Material, SEAL, From, To, Amt, sacks/lbs

How was seal placed: Method A B C D E
Other see #11
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: Yes Type Amount

(6) CASING/LINER
Table with columns: Casing, Liner, Dia, From, To, Gauge, Std, Plstc, Wld, Thrd

Shoe Inside Outside Other Location of shoe(s)
Temp casing Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material

Table with columns: Perf/S, Casing/Screen, Dia, From, To, Scrw/slot width, Slot length, # of slots, Tele/pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
Pump
Bailer
Air
Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description)
County Wasco Twp 200 N N/S Range 13.00 E E/W WM
Sec 32 NE 1/4 of the SE 1/4 Tax Lot 1900
Tax Map Number Lot
Lat Long
DMS or DD
DMS or DD
Street address of well Nearest address
2312 WEST 8TH STREET
THE DALLES, OR 97058-0870

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Predeepening
Completed Well
Flowing Artesian? Dry Hole?
WATER BEARING ZONES
Depth water was first found
SWL Date From To Est Flow SWL(psi) + SWL(ft)

(11) WELL LOG
Ground Elevation
Material From To

Date Started 10-31-2007 Completed 11-01-2007

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, 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.

License Number Date
Electronically Filed
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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.

License Number 1293 Date 11-08-2007
Electronically Filed
Signed JIM I HANSEN (E-filed)
Contact Info (optional)

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MAY 21 2009

T 10804

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

1998
 WATER RESOURCES DEPT.
 SALEM, OREGON

WASC
 50457

Well #4
 WELL ID # L14032
 (START CARD) # 095973

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

(1) OWNER: Well Number: 1-B
 Name **Chenoweth Irrigation Co-op**
 Address **2312 W 8th St**
 City **The Dalles,** State **OR** Zip **97058**

(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 **242** ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount
Diameter	From	To	Material	From	To	sacks or pounds
18"	0	194	Cement	0	165	250 Bags
12"	194	220				
10"	220	242				

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: 12"	+1.5	165	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"/>

Final location of shoe(s) **165'**

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
 Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
600+ _____ **242** _____ **1 hr.**

Temperature of Water **64** 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 **Wasco** Latitude _____ Longitude _____
 Township **2N** N or S. Range **13E** E or W. of WM.
 Section **32** NE $\frac{1}{4}$ SE $\frac{1}{4}$
 Tax Lot **1200** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address)
2312 W. 8th St., The Dalles, Or. 97058

(10) STATIC WATER LEVEL:
135 ft. below land surface. Date **12/27/97**
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found **13**

From	To	Estimated Flow Rate	SWL
13	15	15	6
97	105		
112	116	60	80
135	162	250+	121
229	242	600	135

(12) WELL LOG:
 Ground elevation _____

Material	From	To	SWL
Sand Fine Caving Brown	0	13	
See next line	13	15	6
Gravel Large (Boulders) Caving 15 gpm			
Basalt Hard Gray	15	33	
Basalt Soft Black	33	57	
See next line	57	79	
Basalt Fract. Black w/Clay Seams Green			
Basalt Hard Gray	79	85	
Basalt Fract. Brown	85	97	
Basalt Broken W/Yellow Clay W/B	97	105	
Clay stone Hard Green	105	112	
Basalt soft Black W/Clay W/B 60 gpm	112	116	80
Basalt Hard Gray	116	130	
Basalt Hard Black	130	135	
Basalt Broken W/B 250 gpm	135	162	121
Basalt Hard Gray	162	180	
Basalt Hard Black	180	192	
Basalt Hard Gray	192	229	
Basalt Soft Black W/B	229	240	135
Basalt Broken W/B	240	242	135

Date started **9/4/97** Completed **12/27/97**

(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 my best 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 *Austin Well Drilling* WWC Number **790**
 Date **1-28-98**

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER

MAY 21 2009

WATER RESOURCES DEPT
 SALEM, OREGON

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

WELL I.D. # L 54988
START CARD # 123775

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

(1) LAND OWNER Name Chenoweth PUD WATER Well Number _____
Address P.O. Box 870 (2312 W 8th St)
City THE DALES State OR Zip 97058

(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 467 ft.
Explosives used Yes No Type _____ Amount _____

HOLE SEAL

Diameter	From	To	Material	From	To	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: <u>6"</u>	<u>#1</u>	<u>400'</u>	<u>.250"</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: <u>6"</u>	<u>+1</u>	<u>400'</u>	<u>.250"</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) 400'

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Artesian
Yield gal/min 30 gal Drawdown NONE Drill stem at _____ Time 1 hr.

Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? NO Yes By whom _____
Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County WASCO Latitude _____ Longitude _____
Township 1 N or S Range 13 or W. WM.
Section 5 NE 1/4 SW 1/4
Tax Lot 1800 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 1976 Cherry Heights

(10) STATIC WATER LEVEL:
329 ft. below land surface. Date 7-20-2003
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>Rap Liner</u>			
<u>Below Clay</u>			
<u>Layer 380</u>			
<u>to 400'</u>			
<u>Drilled the</u>			
<u>Bottom out</u>			
<u>to 467'</u>			
<u>Cleaned out.</u>			

Date started 7-20 Completed 7-23-2003

(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 Jody Han WWC Number 1669 Date 8-05-2003

(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 Jody Han WWC Number 1669 Date 8-05-2003

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

06-24-2008

WELL LABEL # L 66341

START CARD # 1003577

(1) LAND OWNER Owner Well I.D.

First Name Last Name
Company CHENOWITH WATER PUD
Address 2312 WEST 8TH STREET
City THE DALLES State OR Zip 97058

(2) TYPE OF WORK
[X] New Well [] Deepening [] Conversion
[] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD
[X] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud
[] Reverse Rotary [] Other

(4) PROPOSED USE
[] Domestic [] Irrigation [] Community
[] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [X] Other Municipal

(5) BORE HOLE CONSTRUCTION Special Standard [] (Attach copy)
Depth of Completed Well 263.00 ft.

Table with columns: Dia, From, To, Material, SEAL From, To, Amt, sacks/lbs. Rows include Concrete and Cement.

How was seal placed: Method [] A [] B [X] C [] D [] E

[] Other

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: [] Yes Type Amount

(6) CASING/LINER

Table with columns: Casing, Liner, Dia, From, To, Gauge, Stil, Plstc, Wld, Thrd. Includes rows for 18 and 12 inch diameters.

Shoe [] Inside [] Outside [] Other Location of shoe(s)

Temp casing [X] Yes Dia 18 From 0 To 10

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Material

Table with columns: Perf/S, Casing/Screen, Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/pipe size.

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

Table with columns: Pump, Bailer, Air, Flowing Artesian, Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr).

Temperature 64 °F Lab analysis [X] Yes By Owner

Water quality concerns? [] Yes (describe below)

Table with columns: From, To, Description. Includes a 'RECEIVED' stamp and date 'MAY 21 2009'.

(9) LOCATION OF WELL (legal description)

County Wasco Twp 2.00 N N/S Range 13.00 E E/W WM
Sec 32 NE 1/4 of the SE 1/4 Tax Lot 2N-13-32DA1200
Tax Map Number Lot
Lat 45° 36' or 45.60000000 DMS or DD
Long -121° 12' or -121.20000000 DMS or DD
[] Street address of well [X] Nearest address

2321 West 8Th St. The Dalles

(10) STATIC WATER LEVEL

Table with columns: Date, SWL(psi), SWL(ft). Rows for Existing Well / Predeepening and Completed Well (06-20-2008, 106).

WATER BEARING ZONES

Depth water was first found 182

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), SWL(ft). Rows for 06-14-2008 and 06-20-2008.

(11) WELL LOG

Ground Elevation 174

Table with columns: Material, From, To. Lists various geological layers like Sand, Silty sandy clay, Broken rock, etc.

Date Started 06-10-2008 Completed 06-20-2008

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards.

License Number Date
Electronically Filed
Signed

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above.

License Number 1293 Date 06-24-2008
Electronically Filed
Signed JIM J HANSEN (E-filed)
Contact Info (optional)

