

NOTICE TO WATER WELL CONTRACTOR
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.

WATER WELL REPORT

STATE OF OREGON
(Please type or print)

(Do not write above this line)

*Wasco
2385*

State Well No. 1N11SE-1ba

State Permit No. _____

(1) OWNER:

Name City of The Dalles
Address City Hall- 313 Court Street
The Dalles, Oregon 97058

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded

0" Diam. from 0 ft. to 24 ft. Gage .250
16" Diam. from +18" ft. to 385 ft. Gage .375
_____ " Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:

Perforated? Yes No.

Type of perforator used Factory Perforated
Size of perforations 1/2" in. by 2 1/2" in.
2432 perforations from 309 ft. to 385 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? Schneider Equipment Inc.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
See attached Test Data

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

Artesian flow _____ g.p.m.

Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement Grout
Well sealed from land surface to 24 ft.
Diameter of well bore to bottom of seal 24" in.
Diameter of well bore below seal 18" in.
Number of sacks of cement used in well seal 38 sacks
How was cement grout placed? Pressure Grouted.
1 sack of National Brand bentonite
mixed with cement grout.

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

Did any strata contain unusable water? Yes No

Type of water? 90065 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:

County Wasco Driller's well number _____
NE 1/4 NW 1/4 Section 1 T.1N R.13E W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 59 ft.
Static level 71 ft. below land surface. Date 7/11/79
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 0
Depth drilled 385 ft. Depth of completed well 385 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
Fill Material Rock & Dirt	0	8	
Basalt Grey & Brown Fractured	8	12	
Basalt Grey Hard	12	59	
Basalt Brown & Grey Porous	59	77	W.B.
Basalt Grey Hard	77	139	
Basalt Grey Porous with steel mesh	139	145	W.B.
Basalt Grey Hard	145	198	
Basalt Grey & Green Porous	198	204	W.B.
Basalt Grey Hard	204	289	
Basalt Grey Porous	289	295	W.B.
Basalt Grey Hard	295	311	
Basalt Grey & Green Very Porous	311	337	W.B.
Basalt Grey Fractured	337	342	W.B.
Work started	June 11	19 79	Completed July 11 19 79
Date well drilling machine moved off of well	July 11	19 79	

Drilling Machine Operator's Certification:

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

[Signed] Stewart H. Stadel Date July 25 19 79
(Drilling Machine Operator)

Drilling Machine Operator's License No. 860

Water Well Contractor's Certification:

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

Name WEST COAST DRILLING CO. INC.
(Person, firm or corporation) (Type or print)

Address 220 Academy St. Mt. Angel, OR 97362

[Signed] Charles E. Stadel
(Water Well Contractor)

Contractor's License No. 519 Date July 25 19 79

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WATER RESOURCES DEPT

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are to be filed with the

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

WASC

002385

State Well No. 1W/13E-1W

State Permit No. _____

(1) OWNER:

Name City of The Dalles Log (cont'd)

Address _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

R y Driven
Case Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded

....." Diam. from ft. to ft. Gage
....." Diam. from ft. to ft. Gage
....." Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? Yes No.

Type of perforator used _____

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.
.....
.....
.....

Artesian flow _____ g.p.m.
Nature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

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.
Number of sacks of cement used in well seal _____ sacks
How was cement grout placed? _____

I 10065
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:

County _____ Driller's well number _____
..... ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: 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
Basalt Grey Hard	342	363	
Basalt Grey Broken	363	374	
Basalt Grey Hard	374	377	
Basalt Grey Broken	377	383	W.B.
Basalt Grey Very Hard	383	385	

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SALEM, OREGON

Work started _____ 19 Completed _____ 19
Date well drilling machine moved off of well _____ 19

Drilling Machine Operator's Certification:

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

[Signed] Steven M. Studebaker 7-25, 1979
(Drilling Machine Operator)

Drilling Machine Operator's License No. 860

Water Well Contractor's Certification:

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

Name WEST COAST DRILLING CO., INC.
(Person, firm or corporation) (Type or print)

Address 220 Academy St., Mt. Angel, OR 97362

[Signed] Charles E. Studebaker
(Water Well Contractor)

Contractor's License No. 519 Date July 25, 1979

STATE ENGINEER
Salem, Oregon

WASC

**OBSERVATION WELL
Well Record**

STATE WELL NO. 1N/13-4F(1)
COUNTY Wasco
APPLICATION NO. _____

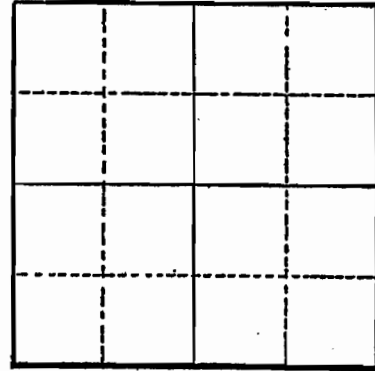
002428

OWNER: The Dalles MAILING ADDRESS: _____

LOCATION OF WELL: Owner's No. _____ CITY AND STATE: _____

SE ¼ NW ¼ Sec. 4 T. 1 N. S., R. 13 E. W., W.M.

Bearing and distance from section or subdivision corner _____



Section 4

Altitude at well 189.6

TYPE OF WELL: Drilled Date Constructed 1954

Depth drilled 291 Depth cased 137

CASING RECORD:

18-inch from 0 to 137 feet, cemented at bottom.
(Fill placed around well and unknown length of casing added to top.
Original land surface approximately 8' below street level.)

FINISH:

Open well below casing

AQUIFERS:

Basalt from 234 to 272 feet

WATER LEVEL:

118' below top of casing

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

WELL TESTS:

* Drawdown 7 ft. after _____ hours pumping 1,000 G.P.M.
Drawdown 12½ ft. after _____ hours pumping 1,400 G.P.M.

USE OF WATER Public supply Temp. _____ °F., 19____

SOURCE OF INFORMATION _____

DRILLER or DIGGER E. J. Strasser Drilling Co.

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test _____

REMARKS:

- * Drawdown 16 feet pumping 1,600 gpm
- Drawdown 18.5 feet pumping 1,800 gpm
- Drawdown 23 feet pumping 2,000 gpm
- Drawdown 25.5 feet pumping 2,200 gpm
- Drawdown 30 feet pumping 2,500 gpm

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SALEM, OREGON

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STATE ENGINEER
Salem, Oregon

WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 1N/13-4F(1)
County Wasco
Application No. G-23

Well Log

Owner: The Dalles Owner's No. Jordan St.

Driller: R. J. Strasser Drilling Co. Date Drilled 1954

CHARACTER OF MATERIAL	(Feet below sand surface)		Thickness (feet)
	From	To	
Soil and sand	0	8	8
Gray basalt boulders and sand	8	16	8
Basalt, hard, broken gray	16	27	11
Rock, porous black, brown clay in seams	27	36	9
Basalt, black, blue clay in seams	36	43	7
Basalt, hard gray	43	48	5
Basalt, medium hard gray	48	64	16
Basalt, hard, gray	64	73	9
Basalt, medium hard gray, water at 78' porous	73	83	10
Basalt, hard, gray	83	87	4
Rock, porous, gray, more water	87	93	6
Basalt, very hard, gray	93	102	9
Basalt, medium, gray	102	104	2
Basalt, porous, gray, some blue clay in seams and hard streaks varying from 4" to 6" thick in lenses 2' to 4' apart	104	141	37
Basalt, gray	141	166	25
Rock, brown	166	171	5
Rock, hard gray	171	234	63
Rock, black, porous, with some water	234	236	2
Basalt, black, water bearing	236	272	36
Basalt, medium hard, gray	272	283	11
Basalt, broken, gray, caving	283	291	8

T. 10865

STATE ENGINEER
Salem, Oregon

WASC
OBSERVATION WELL
Well Record
002431

STATE WELL NO. 1N13-4E(E)
COUNTY Wasco
APPLICATION NO. U-135

cdb

OWNER: The Dalles

MAILING ADDRESS:

PERMIT U-127

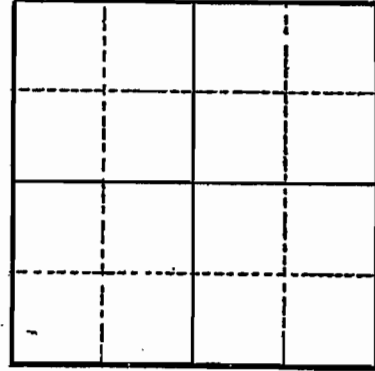
LOCATION OF WELL: Owner's No. Marx Well

CITY AND STATE:

The Dalles, Oregon

SE 1/4 SW 1/4 Sec. 4 T. 1 N / W R. 13 E / W W.M.

Bearing and distance from section or subdivision corner



Section 4

Altitude at well

TYPE OF WELL: drilled Date Constructed 1931

Depth drilled 570 Depth cased 116

CASING RECORD:

12"- set to 116'

FINISH:

open hole

AQUIFERS:

Basalt

WATER LEVEL: 217 feet - 1931

February 9 or 10, 1959, water level 238' below L.S.D.

PUMPING EQUIPMENT: Type B. J. Submersible 8" H.P. 125
Capacity 1,200 G.P.M.

WELL TESTS:

Drawdown 4 ft. after 50 hours pumping 1200 G.P.M.

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

USE OF WATER Municipal Temp. _____ °F. _____ 19

SOURCE OF INFORMATION U-135

DRILLER or DIGGER W. Wilburn

ADDITIONAL DATA:

Log Water Level Measurements _____ Chemical Analysis Aquifer Test _____

REMARKS:

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WATER RESOURCES DEPT
SALEM, OREGON

T 10865

STATE ENGINEER
Salem, Oregon

cdb

State Well No. 1N/13-4E(1)
County Wasco
Application No. U-135

Well Log

Owner: City of The Dalles Owner's No. Marx Well

Driller: W. Wilburn Date Drilled 1931

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
No record	0	116	116
Basalt, black	116	124	8
Basalt, gray, hard	124	135	11
Clay, blue, water bearing	135	138	3
Shale, blue, water bearing	138	161	23
Clay, blue, water bearing	161	165	4
Shale, and clay, blue shale, and clay, blue	165	176	11
Shale, blue, streaks of basalt	176	190	14
Basalt, blue and gray	190	226	36
Basalt, black	226	237	11
Shale, blue	237	256	19
Shale, brown	256	266	10
Basalt, black	266	292	26
Basalt, black, porous, waterbearing, water level dropped from 36' to 215 feet.	292	296	4
Basalt, gray	296	325	29
Basalt, blue	325	331	6
Basalt, black	331	344	13
Basalt, gray	344	400	56
Basalt, blue	400	427	27
Basalt, black	427	445	18
Basalt, blue	445	464	19
Cavity, water bearing, cuttings washed away	464	466	2

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