

TO WATER WELL CONTRACTOR

The original and first of this report are to be filed with the State Engineer, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
AUG 19 1971
STATE ENGINEER
SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

UMAT
2585

State Well No. 4N/28-27
State Permit No. _____

(1) OWNER:

Name PORT OF UMATILLA
Address P. O. Box 408 McNary, Oregon 97858

(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
20" Diam. from 0 ft. to 158 ft. Gage .250
16" Diam. from 0 ft. to 263 ft. Gage .375
12" Liner from 353 ft. to 459 ft. Gage .281

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.
_____ 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) WATER LEVEL: Completed well.

Static level 259 ft. below land surface Date 8/13/71
Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom Farmore, Pendleton
Yield: 1000 gal./min. with 5 ft. drawdown after 2 hrs.
1600 " " 10 " " 6 "
1790 " " 19 " " 4 "
Bailer test **Instant Recovery** gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 64 Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used Cement grout
Depth of seal 263'9" ft.
Diameter of well bore to bottom of seal 20 in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
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.

(11) LOCATION OF WELL:

County Umatilla Driller's well number _____
1/4 1/4 Section 27 T. 4N R. 28E W.M. _____
Bearing and distance from section or subdivision corner _____

(12) WELL LOG:

Diameter of well below casing 12"

Depth drilled 569 ft. Depth of completed well 569 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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Sandy soil & covey	0	10	
Sandy soil	10	30	
Small gravel & cemented sand	30	75	
Small gravel & sand with clay	75	150	
Course sand, brown clay sh.	150	160	136
Dark green clay, sandy	160	200	
Dark green clay	200	251	
Broken black rock & clay	251	260	
Black basalt & clay	260	270	
Black basalt	270	290	
Black basalt, hard	290	308	
Grey basalt	308	335	
Black basalt, clay seams	335	362	
Brown basalt (water bearing)	362	383	
Black basalt	383	395	
Black basalt, crevices & blue clay	395	404	
Blue clay, sticky & covey	404	416	
Black basalt, blk. shale clay	416	460	
Black basalt covey	460	490	137
Grey basalt	490	500	
Black basalt	500	515	
Grey basalt	515	525	

Work started March 30 1971 Completed Aug. 13 1971

Date well drilling machine moved off of well Aug 13/71 19

Drilling Machine Operator's Certification: LOG CON'T. PAGE #2

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

[Signed] William Higgins Date 8/18, 1971
(Drilling Machine Operator)

Drilling Machine Operator's License No. 684

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 D. K. "DON" SMITH
(Person, firm or corporation) (Type or print)

Address P. O. Box 179 Walla Walla, Wash. 99362

[Signed] D.K. Smith
(Water Well Contractor)

Contractor's License No. 204 Date 8/18, 1971

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State Permit No. _____

(1) OWNER:

Name _____
Address _____

(2) TYPE OF WORK (check):

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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

" 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.
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(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) WATER LEVEL: Completed well.

Static level _____ ft. below land surface Date _____
Artesian pressure _____ lbs. per square inch Date _____

(9) 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.
" " " " " "
" " " " " "
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used _____
Depth of seal _____ ft.
Diameter of well bore to bottom of seal _____ in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
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.

(11) LOCATION OF WELL:

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

(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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Broken Black basalt & Blue clay	525	530	
grey basalt	530	535	
Grey basalt, broken lost cuttings	535	555	259
Grey basalt, hard getting cuttings	555	569	

Remarks: This well has seals as follows:
Cement seal at bottom of 16" casing 263'
Sealed between 20" casing & 16" O-158'
Sealed outside of 20" to depth of 25 feet

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] _____ Date _____, 19____
(Drilling Machine Operator)

Drilling Machine Operator's License No. _____

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 _____
(Person, firm or corporation) (Type or print)

Address _____

[Signed] _____
(Water Well Contractor)

Contractor's License No. _____ Date _____, 19____