STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

DESC 57115

RECEIVED

JAN 18 1985

WATER RESOURCES DEPT
SALEM, OREGON

Per Wade: Location should be 18S/13E-11dc

PLEASE TYPE or PRINT IN INK

Can 4/3/85

(for official use only)

(1) OWNER:

Name U.S. Dept. of Army

Address 2800 Powder Mill Rd.

City Adelphy State Md.

(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 ☐

Irrigation ☐ Thermal: ☐ Withdrawal ☐ Reinjection ☐

Other: Piezometric ☐ Grounding ☐ Test ☐

(5) CASING INSTALLED:

Steel ☒ Threaded ☐ Plastic ☐ Welded ☒

8 " Diam. from +2 ft. to 881 ft. Gauge .250

" Diam. from ft. to ft. Gauge

LINER INSTALLED: Steel ☐ Threaded ☐ Plastic ☐ Welded ☐

none

" 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 UOP

Type Stainless Model No. 304

Diam. 8" tele Slot Size .025 Set from 881 ft. to 906 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? A&H Pump

Yield: 77 gal./min. with 2 ft. drawdown after 4 hrs.

" " "

Air test 30 gal./min. with drill stem at 880 ft. 3 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 Cement grout

Well sealed from land surface to 30 ft.

Diameter of well bore to bottom of seal 12 in.

Diameter of well bore below seal 12 in.

Amount of sealing material 19 sacks ☒ pounds ☐

How was cement grout placed? pumped from 30' up to surface using 1" grout pipe

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? 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 Deschutes SW ¼ SE ¼ of Section 11 of

Township 7S (Township is North or South), Range 13E (Range is East or West), WM.

Tax Lot Lot Block Subdivision

MAILING ADDRESS OF WELL (or nearest address) 23861 Dodds Rd. Bend, Or.

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 804 ft.

Static level 757 ft. below land surface. Date 1-2-85

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 0

Depth drilled 913 ft. Depth of completed well 911 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 silty brown	0	4½	
Basalt fract grey	4½	7	
Basalt hard grey	7	35	
Lava visic. red	35	51	
Basalt med-hard grey	51	84	
Lava visic red-brn	84	106	
Basalt hard grey	106	113	
Lava visic red-grey	113	124	
Basalt hard grey	124	165	
Basalt extremly hard gry	165	182	
Lava med red-brn	182	190	
Basalt hard grey	190	229	
Lava visic red-brn	229	244	
Basalt med grey	244	271	
Lava soft red open	271	289	
Basalt med-hard grey	289	370	
Cinders med red	370	371	
Basalt hard grey	371	390	
Lava visic red	390	394	
Basalt med grey	394	430	
Cinders med red	430	433	

Date work started 12-12-84 /completed 1-9-85

Date well drilling machine moved off of well 1-10-85 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] Steve N Stadeli Date 1-15, 19 85

(bonded) Water Well Constructor Certification:

Bond (number) Issued by: Union Indemnity (Surety Company Name)

On behalf of Staco Well Services, 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) Chuck Stadeli (Water Well Constructor)

(Dated) 1-15-85

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)

RECEIVED

JAN 18 1985

WATER RESOURCES DEPT
SALEM, OREGON

PLEASE TYPE or PRINT IN INK

See first page card

223

18S/13E-11dc

Deck

(for official use only)

(1) OWNER:

Name U.S. Army

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 ☐

Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Thermal: 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

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.

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

Artesian flow g.p.m.

nperature 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:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL by legal description:

County ¼ ¼ 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
Basalt visic red-brn	433	439	
Basalt med gray	439	457	
Cinders med red	457	459	
Basalt med visic gry-brn	459	510	
Basalt grey-brn	510	546	
Cinders red	546	550	
Basalt med grey-brn	550	561	
Lava red soft/yellow ash seams	561	574	
Lava red some grey med hard semi fractured	574	612	
Lava red hard	612	616	
Lava red ~~hard~~ soft visic ? loss of circulation	616	627	
Lava red grey medhard	627	630	
Lava red grey med hard	630	649	
Broken rock soft	649	653	
Lava red grey hrd	653	665	
Lava hrd broken rough	665	678	
Basalt grey brn hrd	678	689	
Lava red&grey med	689	704	

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)

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JAN 16 1985

WATER RESOURCES
SALEM, OREGON

PLEASE TYPE or PRINT IN INK

38 3

18S/13E-14Dc

Desc

(for official use only)

(1) OWNER:

Name U.S. Army

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 ☐

Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐

Irrigation ☐ Thermal: 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 ☐

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(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?

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" " "

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

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Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

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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 ☐

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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

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MATERIAL	From	To	SWL
Basalt grey hrd brn	704	708	
Lava red soft	708	711	
Basalt grey brn some			
yellow streaks med	711	757	
" " " " hrd	757	764	
Basalt grey brn softer			
semi broken	764	783	
Basalt grey brn med	783	804	
Basalt grey & brn med			
semi broken	804	828	
Basalt brn grey hrd	828	871	
Cinders red	871	872	
Basalt brn grey med			
semi broken	872	886	
Basalt grey brn hrd	886	913	

Date work started /completed

Date well drilling machine moved off of well 19

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