

APPENDIX H

Well Logs

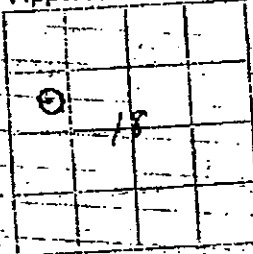
The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES **OH # 6013A**

Appli. #8787

WELL LOG

Record by Driller
Source Driller's record



Location: State of WASHINGTON

County Pierce

Area _____

Map _____

SW 1/4 NW 1/4 sec. 18 T. 19 N. R. 6 E.

Drilling Co. Rainier Well Drilling Co.

Address 13605 Waller Rd. E. Tacoma Wash.

Method of Drilling Cable Date _____ 19__

Owner Town of South Prairie

Address South Prairie, Washington

Land surface, datum _____ ft. above
below

SWL: flowing Date April 25 1967 Dims: 12" x 140'

COSS- LATION	MATERIAL	From (feet)	To (feet)
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(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses, if material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	Domestic	0	2
	Topsoil, black	2	12
	Sand, brown, silt and gravel	12	28
	Sand, gray, cemented and gravel		
	Sand, black and gravel, hard	28	34
	packed with water	34	128
	Clay, green, blue and gray	128	140
	Sand and gravel with rotten wood		
	and thin layers of clay with		
	thin lenses of peat 30% of the sand		
	and gravel is very light weight pumice		
	Casing: 12" from 0-128'		
	Screened from 120-140'		
	Yield: 100 gpm with 41' DD after 4 hrs.		
	150 gpm with 98' DD after 111 hrs.		
	Test made April 21, 1967		

Turn up

Sheet _____ of _____ sheets

WATER WELL REPORT

STATE OF WASHINGTON

MAR 27 1979

Application No.

Permit No.

File Original and First Copy w. Department of Ecology Second Copy - Owner's Copy Third Copy - Driller's Copy

(1) OWNER: Name Town of South Prairie Address c/o J. J. Slava Land Assoc., Tacoma, Wn. County Pierce Sec. 18 T. 19 N. R. 6E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [x] Industrial [] Municipal [] Irrigation [] Test Well [] Other []

(4) TYPE OF WORK: Owner's number of well (if more than one) New well [x] Method: Dug [] Bored [] Deepened [] Cable [x] Driven [] Reconditioned [] Rotary [] Jetted []

(5) DIMENSIONS: Diameter of well 12 inches. Drilled 425 ft. Depth of completed well 425 ft.

(6) CONSTRUCTION DETAILS: Casing installed: 12" Diam. from 0 ft. to 425 ft. Threaded [] Welded [x]

Perforations: Yes [] No [x] Type of perforator used SIZE of perforations in. by in. perforations from ft. to ft.

Screens: Yes [x] No [] Manufacturer's Name Johnson Type stainless steel Model No. Diam. 10" Slot size 60 from 404 ft. to ft.

Gravel packed: Yes [] No [x] Size of gravel: Gravel placed from ft. to ft.

Surface seal: Yes [x] No [] To what depth? 18 ft. Material used in seal 250 lbs. Bentonite Did any strata contain unusable water? Yes [] No [x]

(7) PUMP: Manufacturer's Name Type: HP.

(8) WATER LEVELS: Land-surface elevation above mean sea level. Static level 79 ft. below top of well Date 2-5-79 Artesian pressure lbs. per square inch Date Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes [x] No [] If yes, by whom? H.P. & D. Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level 1 min. 121.5" 2 hr. 89.4" 45 min. 83.10" 3 hr. 88" 1 hr. 82.6" Date of test 2-7-79 Baller test 80 gal./min. with 10 ft. drawdown after 1 hrs. Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? Yes [] No [x]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns MATERIAL, FROM, TO. Entries include: Brown clay, hardpan w/rocks (0-45), More of a gravel h.p. (less clay) still w/lge. cobbles (45-64), More of a rusty color here (64-72), A little more clay binder, drilling somewhat faster (72-78), Gray clay hardpan (78-84), Brown hardpan (84-91), Brown sand & gravel some water (91-96), Brown clay hard pan (96-98), Sand gravel, seepage, big rocks (98-102), Brown hardpan (102-124), Gray clay hardpan (124-129), Greenish brown clay hardpan (129-142), Darker gray clay with sand & gravel (142-170), Green clay (170-182), Brown clay with gravel (182-197), Gray clay (197-229), Some sand in clay (229-233), Pink (pumice with water) (233-235), Clay mixed in here (235-248), Change to gray clay hardpan (248-274), Solid gray clay (274-306), Greenish colored clay, hardpan (306-316), Clean sand - some gravel - some water (316-317), Immediate change to much finer sand w/green clay color in the water (317-331), Somewhat coarser, still not the cleanest (331-334), Mostly a sandy clay hardpan (334-344), Sticky gray clay w/vegetation and pumice (344-349), Green hard clay (349-356), Gray silty looking clay (356-359), Coarse sand & gravel, some water (359-362), Work started Dec. 11, 1978. Completed, 19.

WELL DRILLER'S STATEMENT:

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

NAME HARBOR PUMP & DRILLING CO., INC. (Person, firm, or corporation) (Type or print)

Address 11302 Burnham Dr. N.W., Gig Harbor, Wn. 98335

[Signed] (Well Driller)

License No. Date Feb. 8, 1979

The Department of Ecology does NOT Warranty the Data and/or the Information on this well report.

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PAGE TWO OF TWO PAGES
WATER WELL REPORT
 STATE OF WASHINGTON

RECEIVED

File Original and First Copy with
 Department of Ecology
 Second Copy — Owner's Copy
 Third Copy — Driller's Copy

Application No. _____

MAR 27 1979 Permit No. _____

1) OWNER: Name Town of South Prairie Address _____

2) LOCATION OF WELL: County Pierce Section 36 Township 14 N. R. W.M.

Bearing and distance from section or subdivision corner _____

3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other

4) TYPE OF WORK: Owner's number of well (if more than one) _____
 Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

5) DIMENSIONS: Diameter of well _____ inches.
 Drilled _____ ft. Depth of completed well _____ ft.

6) CONSTRUCTION DETAILS:
 Casing installed: _____" Diam. from _____ ft. to _____ ft.
 Threaded _____" Diam. from _____ ft. to _____ ft.
 Welded _____" Diam. from _____ ft. to _____ ft.

Perforations: 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.

Screens: Yes No
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? _____ ft.
 Material used in seal _____
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

7) PUMP: Manufacturer's Name _____
 Type: _____ HP _____

8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
 Static level _____ ft. below top of well Date _____
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap, valve, etc.)

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.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
 Baller 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) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
cont. hard packed		362
Mostly coarse sand but has some clay balls	362	366
Thin layer hard packed sand and gravel then into hard clay	367	386
Coarse gravel, some water, hard packed	386	393'6"
Thin streak of loose (mostly sand) material then back into hard packed sand and gravel	393'6"	399
Gray clay showing on gravel here	399	400'6"
More hard packed sand & gravel	400'6"	411
Brown color here, some peat seams	411	412
More hard sand & gravel	412	416
Loose streak of sand gravel with clay mixed in	416	417
Somewhat cleaner sand & gravel, some water	417	421
Hard packed gravel again	421	425'6"
Gray and brown clay mixed in here	425'6"	

Work started Dec. 11, 1978. Completed Feb. 5, 1979

WELL DRILLER'S STATEMENT:

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

NAME HARBOR PUMP & DRILLING CO., INC.
 (Person, firm, or corporation) (Type or print)

Address 11302 Burnham Dr. N.W., Gig Harbor, Wn. 98335

[Signed] Jimm Miller by: M. Butler
 (Well Driller)

License No. 223.01.8455 Date February 8, 1979

