

APPENDIX D

Select Regional Well Information:

- Boise Spring and Watercress
Springs -- Groundwater Quality
Data Summary 2009-Present
(on CD)**
- Select Boring Logs**

Permit No.

 3

File Original with
Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

ENTERED

Water Right Permit No.

W108041
AFA-736
20-7E-18L 9802

(1) OWNER: Name Olson Farms Address 42827 282nd Ave SE, Enumclaw(2) LOCATION OF WELL: County King NE 1/4 SW 1/4 Sec 18 T 20 N.R. 7E WM(2a) STREET ADDRESS OF WELL: (or nearest address) 28213 SE 424th, EnumclawTAX PARCEL NO.: 182007-9009

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal
☒ Irrigation ☐ Test Well ☐ Other
☐ DeWater

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

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 120 feet. Depth of completed well 105 ft.

(6) CONSTRUCTION DETAILS

Casing Installed:

☒ Welded 6 Diam. from 0 ft. to 105 ft.
☐ Liner installed Diam. from _____ ft. to _____ ft.
☐ Threaded _____ Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand _____
Material placed from _____ ft. to _____ ft.

Surface seal: ☒ Yes ☐ No To what depth? 18 ft.
Material used in seal benetomite
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: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 70 ft. below top of well Date 6-24-99
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.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
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 _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airstest 7 gal./min. with 25 ft. drawdown after 2 1/2 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered.

MATERIAL	FROM	TO
Surface	0	3
Brown gravel-loam	3	8
Brown hardpan	8	23
Tan hardpan	23	75
Gray sand-gravel-later	75	105
Basalt	105	110
Gray hardpan-gravel	110	120

RECEIVED

JUL 2 1999

DEPT OF ECOLOGY

Work Started 6-17-99 Completed 6-24-99

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Type or Print Name Brad Johnson License No. 0233
(Licensed Driller/Engineer)

Trainee Name _____ License No. _____
Drilling Company Johnson Drilling Co., Inc

(Signed) Brad Johnson License No. 0233
(Licensed Driller/Engineer) 9805

Address 19415 108th Ave SE, Renton, WA

Contractor's Registration No. JOHNSDC207QM Date 6-24-99

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-6600. The TDD number is (360) 407-6006.

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

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Town of Enumclaw Address c/o Hart-Crowser
(2) LOCATION OF WELL: County KING — NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 18 T 20N N. R 7E 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)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 12" to 8"
Drilled 230'6" ft. Depth of completed well 230'6" ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12" Diam. from 0 ft. to 104'8"
Threaded ☐ 8" Diam. from 104'8" ft. to 230'6"
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 ☐ Johnson

Manufacturer's Name
Type stainless steel Model No.
20'0" Diam. 8" Slot size 150 from 171' ft. to 230' ft.
extens² 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? 18' ft.
Material used in seal Bentonite 500 lbs.
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: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 42'6" 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? H.P.D. co.
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
Bailer test 60 gal./min. with -0- ft. drawdown after 1 1/2 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
Brown & gray silty gravelly-sand	0	72
Color changing to silty gray	72	77
Less muddy here, still hard	77	83
Gray clay binder, gravel	83	88'6"
Brown color here, hard grvl.	88'6"	103
Boulders, stopped at 104'8"	103'	104'8"
*NW DRILLING CO. ROTERY RIG		
NW drilled through 30" boulder, then into material approx. the same as above material to 230'7" then hit bed rock. Drilled to 234' and quit. Harbor Pump installed screen and developed well, filled well up to 230'6".		

230'6"

Work started June 12, 1980 Completed July 30, 1980

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. NW Gig Harbor, WA

[Signed] Jim Miller By: P. Miller
(Well Driller)

License No. 223-01-8455 Date Jan. 12, 1981
#0311

(USE ADDITIONAL SHEETS IF NECESSARY)

FILE: ORIG. & FIRST COPY - DEPT. OF ECOLOGY
SECOND COPY - OWNER; THIRD COPY - DRILLERWATER WELL REPORT
STATE OF WASHINGTONSTART CARD NO. W183666
UNIQUE WELL ID AKP699
WATER RIGHT PERMIT NO.

186578

(1) OWNER NAME: DEL EATON

ADDRESS:

42724 238TH AVE. S. ENUMCLAW WA. 98022

(2) LOCATION OF WELL: County

KING

NW 1/4 SE 1/4 SEC 18 TWP 20N R 7E

(2a) STREET ADDRESS OF WELL (or nearest address): 42718 284TH AVE. S.E. ENUMCLAW WA.

(3) PROPOSED USE:

DOMESTIC

(4) TYPE OF WORK:

NEW WELL

METHOD:

ROTARY

(10) WELL LOG OR DECOMMISSIONING PROCEDURE DESCRIPTION

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 128'-6" feet Depth of completed well 127'-6" ft.

(6) CONSTRUCTION DETAILS

Casing instld: 6 " Diam. From +1 ft. to 127'-6" ft.

Welded ☒ " Diam. From ft. to ft.Liner ☐ " Diam. From ft. to ft.Threaded ☐ ft. to ft.Perforations: Yes ☐ No ☒

Type of perforator used

Size of perforations in. by in.

perforations from ft. to in.

perforations from ft. to in.

perforations from ft. to in.

Screens: Yes ☐ No ☒

Manufacturer's Name:

Type Model No. ft. to ft.

Diam Slot size from ft. to ft.

Diam Slot size from ft. to ft.

Gravel packed Yes ☐ No ☒

Size of gravel?

Gravel packed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.

Material used in seal BENTONITE CHIPS

Did any strata contain unusable water? Yes ☐ No ☒

Type of water? Depth of Strata ft.

Method of sealing strata off

(7) PUMP: Manufacturer's Name

Type H. P.

(8) WATER LEVELS: Surface elev above mean sea level

Static level 32'-5" below top of well Date 11/18/04

Artesian pressure lbs Per sq. in. Date

Artesian pressure is controlled by

(9) WELL TESTS:

Pump test made?

By Whom

Yield gal./min with ft. drawdown after hrs.

Yield gal./min with ft. drawdown after hrs.

Yield gal./min with ft. drawdown after hrs.

Recovery data:

Time Wtr Lvl. Time Wtr Lvl. Time Wtr Lvl.

Date of test:

Bailer test 10 gal./min with ft. drawdown after 1 hrs.

Airtest 6-8 gal./min stem set at 125 ft for 1 hrs.

Artesian flow gal./min Date

Temperature of water Was chemical analysis made? NO

Work Started 11/15/04 Completed: 11/18/04

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Name: RICHARDSON WELL DRILLING COMPANY INC.

Address: P. O. BOX 44427 TACOMA, WA 98444

(Signed)

Lic No. 2688T

Contractor's Registration No. RICHAW-32106

DATE 11/26/04

RECEIVED
DEC 14 2005
Washington State
Department of Ecology



Construction/Decommission (λ in circle)

 Construction

☐ Decommission *ORIGINAL CONSTRUCTION* Notice
of Intent Number _____

CURRENT

Notice of Intent No

Unique Ecology Well ID Tag No

Water Right Permit No

Property Owner Name

Well Street Address

City Enon CLAW

County

Location

Lat/Long
(s.t.r still

Lat Deg

Lat Min/Sec

REQUIRED)

Long Deg

Long Min/Sec

Tax Parcel No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation Describe by color character size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

[illegible]

Start Date 10-11-03

Completed Date 10-11-63

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Thomas Crane

Driller/Engineer/Trainee Signature Thomas M. C...Driller or Trainee License No 2409

If trainee, licensed driller's

Signature and License no

Drilling Company Holt Drilling

Address 110621 Tind Rd E

City, State, Zip Puyallup WA 98372

City, State, Zip 16741 PA 16801
Contractor's
Registration No. HOUTDE#136 Date 10-14-03

Ecology is an Equal Opportunity Employer ECY 050 1-20 (Rev 4/01)

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

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 073397

Permit No.

(1) OWNER: Name David Wenke well Address 290xx SE 234th, Enumclaw
(2) LOCATION OF WELL: County King NW 1/4 NE 1/4 Sec. 19 T. 20 N. R. 7 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)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 92 ft. Depth of completed well 92 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 92 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 Model No.
Type 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? 18 ft.
Material used in seal pudelling clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off.

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

(8) WATER LEVELS: Land-surface elevation ft.
Static level 70 ft. below top of well Date 9-8-90
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.
" 30+ gpm stem set at 86' 2 1/2 hrs
" surge

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
Ballot 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
Brown sand gravel-rocks	0	16
Tan gravel-clay - hardpan	16	77
Gray sand - gravel-clay	77	89
Gray water sand-gravel	89	92

RECEIVED

SEP 17 1990

DEPT. OF ECOLOGY

Work started 9-7-90 Completed 9-8-90

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 Johnson Drilling Co., Inc.
(Person, firm, or corporation) (Type or print)

Address 19415 108th Ave SE Renton 98055

[Signed] Brian Johnson
(Well Driller)

License No. 0233 Date 9-8-90

207-19/P

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

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) OWNER: Name Clifford Overhill Address 43515 278th Ave SE Enumclaw 98022
(2) LOCATION OF WELL: County King S 1/2 SE 1/4 SW 1/4 Sec. 19 T. 20 N. R. 7 E W.M.
Bearing and distance from section or subdivision corner S 41° 30' E 1/4 Sec. 19

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 6.9 ft. Depth of completed well 6.9 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 6.9 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? 18 ft.
Material used in seal puddling clay
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 _____
Static level 3 ft. below top of well Date 4/15/83
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.

" AIR JET " " "
" 100 " 27 " 2 "

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 _____
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) 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
Surface	0	4
Brown clay	4	16
Gray clay	16	57
Brown water gravel with clay	57	69

Work started 4/14 1983. Completed 4/15 1983

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 Johnson Drilling Co., Inc.
(Person, firm, or corporation) (Type or print)

Address 19415 108th Ave SE Renton 98055

[Signed] Brad Johnson
(Well Driller)

License No. 0233 Date 4/15 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No Appli. 2838
Cer. 2514-A

Date Sept. 11, 1953

Record by Ralph R. Charlton

Source driller's record

Location State of WASHINGTON

County King

Area

Map

NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec 30 T 20 N, R 7 E

Drilling Co Ralph R. Charlton

Address 3126 River Rd., Tacoma, Wash.

Method of Drilling

Date Sept. 11, 1953

Owner Paul W. Moore

Address Enumclaw, Wash.

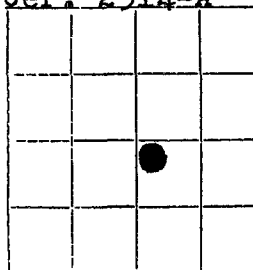
Land surface, datum ft above
below

Diagram of Section

 20N, 7E, 30K
File number

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
------------------	----------	---------------------	-----------------

(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.)

	Hardpan	42	42
	Gravel & sand	56	98
	PUMP TEST:		
	Dim. 98'x10"		
	SWL: 8 ft.		
	DD: 7 ft.		
	Yield: 120 g.p.m.		
	CASING: 10" diam. from 0 to 98 ft.		
	Shoe at 98		
	PERFORATIONS: 12- $\frac{1}{4}$ holes per ft.		
	57 to 98 ft.		

Turn up

Sheet

of

sheets

10/30/2007 08:11 2004720040

ROBINSON & NOBLE

PAGE 02



Golf Course Well

Ecology Well Log ID: 505351

20-7E-30K

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

☒ Construction☐ Decommission ORIGINAL INSTALLATION

Notice of Intent Number

CURRENT

Notice of Intent No. WE06717

Unique Ecology Well ID Tag No. AFT 336

Water Right Permit No. 20890C

Property Owner Name City of Enumclaw

Well Street Address 45224 284th Avenue S

City Enumclaw County King

Location NW1/4-1/4 SE1/4 Sec 30 Twn 20 R 7E

EWM ☒
Orwww ☐

Lat/Long

(S, L, R) Still Lat Deg N/A Min N/A Sec N/A

REQUIRED) Long Deg N/A Min N/A Sec N/A

Tax Parcel No. 3020079006

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Dry Brown Silty Sand and Gravel with Cobbles	0	8
Dry Gray Silty Gravel	8	16
Dry Gray Silty Gravel w/ Cobbles and Wood	16	21
Dry Gray-Brown Silty Gravel w/ Cobbles, tight, some bound	21	45
Water Bearing Brown Medium Sand w/ some F-C Sand and Gravel	45	59
Water Bearing Brown Gravel with Med. Sand, some F-C	59	84
Water Bearing Brown Fine to Medium Sand w/ occ. Gravel and wood organics	84	108
Water Bearing Dark Brown Coarse to Medium Sand and Gravel w/ wood organics	108	131
Gray Moist Clay-Bound Sand and Gravel	131	136.5

RECEIVED

NOV 02 2007

Start Date 5/29/07 DEPT. OF ECOLOGY Completed Date 10/25/07

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal
☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

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

DIMENSIONS: Diameter of well 20 inches, drilled 136 ft.
 Depth of completed well ft.

CONSTRUCTION DETAILS
 Casing ☒ Welded 20" Diam. from ±1 ft. to 81 ft.
 Installed: ☐ Liner installed 16" Diam. from ±2 ft. to 80 ft.
☐ Threaded " Diam. From ft. to ft.

Perforations: ☐ Yes ☒ No
 Type of perforator used

SIZE of perfs in. by in. and no. of perfs from ft. to ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location

Manufacturer's Name Johnson
 Type steel Model No.
 Diam. 16 Slot size 0.040 from 80 ft. to 131 ft.
 Diam. Slot size from ft. to ft.

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand 8x12
 Materials placed from 60 ft. to 136 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 25 ft.
 Material used in seal bentonite
 Did any strata contain unusable water? ☐ Yes ☒ No
 Type of water? Depth of strata
 Method of sealing strata off

PUMP: Manufacturer's Name N/A
 Type: N/A H.P. N/A

WATER LEVELS: Land-surface elevation above mean sea level 780 ft.
 Static level 39.61 ft. below top of well Date 10/23/07
 Artesian pressure lbs. per square inch Date
 Artesian water is controlled by cap. valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? ☒ Yes ☐ No If yes, by whom? Hokkaido
 Yield: 776 gal./min. with 3.74 ft. drawdown after 1 hrs.
 Yield: 776 gal./min. with 3.99 ft. drawdown after 10 hrs.
 Yield: 776 gal./min. with 4.15 ft. drawdown after 24 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
0	40.14	30	40.05	240	39.81
5	40.10	60	40.03	440	39.84
10	40.08	120	39.98	1440	39.72

Date of test Bailer test gal./min. with ft. drawdown after hrs.
 Airtest gal./min. with stem set at ft. for hrs.
 Artesian flow g.p.m. Date
 Temperature of water 48 Was a chemical analysis made? ☒ Yes ☐ No

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Driller or trainee License No. 1239

Name (Print Last, First) ROBERT B. CARPER

Driller/Engineer/Trainee Signature Robert B. Carper

IF TRAINER: Driller's License No.

Driller's Signature:

Drilling Company HOKKAIDO DRILLING, INC.

Address P.O. BOX 100

City, State, Zip GRAHAM, WA 98338

Contractor's HOKKADIO17M8

Registration No. Date NOVEMBER 1, 2007

(1) OWNER: Name CORLISS SAND/GRAVEL Address PO BOX 487 SUMNER, WA 98390-2017E/29D

(2) LOCATION OF WELL: County KING
(2a) STREET ADDRESS OF WELL (or nearest address) 29410 HWY 410 E ENUNCLAW - NW 1/4 NW 1/4 Sec 29 T 20 N., R 7E WM

(3) PROPOSED USE: INDUSTRIAL

(10) WELL LOG

(4) TYPE OF WORK: Owner's Number of well
(If more than one)
NEW WELL Method: AIR ROTARY

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 in formation.

(5) DIMENSIONS: Diameter of well 08 inches
Drilled 140 ft. Depth of completed well 108 ft.(6) CONSTRUCTION DETAILS:
Casing installed: 08 • Dia. from 0 ft. to 91.3 ft.
WELDED • Dia. from ft. to ft.
• Dia. from ft. to ft.

MATERIAL	FROM	TO
COBBLES SAND	0	3
SAND SILT CLAY & GRAVEL	3	25
CLAY & SAND SOME GRAVEL	25	30
SAND & GRAVEL CLAY BINDER ALITTLE WATER	30	40
CLAY & SAND	40	45
CLAY & SAND	45	47
SAND & GRAVEL GREY CLAY BINDER	47	60
SAND & GRAVEL BROWN CLAY	60	70
COBBLES GRAVEL SAND	70	72
SAND & GRAVEL BROWN CLAY BINDER	72	78
SAND & GRAVEL GREY CLAY BINDER	78	85
SAND & GRAVEL GREEN CLAY BINDER	85	89
GRAVEL SAND WATER	89	93
SAND & GRAVEL CLAY WATER	93	100
SAND & GRAVEL CLAY WATER	100	105
SAND & GRAVEL CLAY WATER	105	110
SAND & GRAVEL CLAY	110	115
RED ROCK	115	118
BLACK RED ROCK	118	122
ROCK	122	140

Perforations: 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
Manufacturer's Name HOUSTON
Type Model No.
Diam. 08 slot size 100 from 92 ft. to 102 ft.
Diam. 08 slot size 50 from 102 ft. to 107 ft.

Gravel packed: NO
Gravel placed from ft. to ft. Size of gravel ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE CLAY
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.(8) WATER LEVELS: Land-surface elevation
above mean sea level ... ft.
Static level 38 ft. below top of well Date 01/16/95
Artesian Pressure lbs. per square inch Date / /
Artesian water controlled by

Work started 01/09/95

Completed 01/16/95

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.

Was a pump test made? YES If yes, by whom? JONES
Yield: 60 gal./min with 78 ft. drawdown after 4 hrs.

Recovery data
Time Water Level Time Water Level Time Water Level

Date of test
Bailer test gal/min. ft. drawdown after hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME RICHARDSON WELL DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS PO BOX 44427 TAC WA 98444

[SIGNED] *Richard E. Richardson* License No. 1547

Contractor's
Registration No. RICHAN#32108 Date 03/02/95

WATER WELL REPORT
STATE OF WASHINGTONStart Card No. 073809
Water Right Permit No.

(1) OWNER: Name MALL, MARVIN Address 18833 NE 183 WOODINVILLE, WA 98072-

(2) LOCATION OF WELL: County KING

- SE 1/4 NE 1/4 Sec 30 T 20 N., R 7 WM

(2a) STREET ADDRESS OF WELL (or nearest address) 289XX NE 124

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well
(If more than one)
NEW WELL Method: ROTARY(5) DIMENSIONS: Diameter of well 6 inches
Drilled 180 ft. Depth of completed well 180 ft.(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 180 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: YES

Type of perforator used ROTARY STAR

SIZE of perforations 3-16 in. by 1 in.

320 perforations from 137 ft. to 145 ft.

perforations from ft. to ft.

perforations from ft. to ft.

Screens: NO

Manufacturer's Name

Type

Model No.

Diam. slot size from ft. to ft.

Diam. slot size from ft. to ft.

Gravel packed: NO

Size of gravel

Gravel placed from ft. to ft.

Surface seal: YES

To what depth? 18 ft.

Material used in seal BENTONITE CLAY

Did any strata contain unusable water? NO

Type of water? Depth of strata ft.

Method of sealing strata off N/A

(7) PUMP: Manufacturer's Name

Type N/A

H.P.

(8) WATER LEVELS:

Land-surface elevation

above mean sea level ... ft.

Static level 110 ft. below top of well Date 08/02/90

Artesian Pressure lbs. per square inch Date

Artesian water controlled by N/A

Work started 08/01/90

Completed 08/02/90

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.

Was a pump test made? NO If yes, by whom?

Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time Water Level Time Water Level Time Water Level

Date of test / /

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

Air test 7 gal/min. w/ stem set at 140 ft. for 2 hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? 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 in formation.

MATERIAL

TOPSOIL

LOG

BROWN CLAY

BLUE CLAY

BLUE CLAY W/OCC GRAVEL

WATER BEARING SAND W/OCC GRAVEL

BLUE SILTY SAND

FROM

TO

0

2

2

3

3

16

16

110

110

137

137

145

145

180

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME NORTHWEST PUMP & DRILLING

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

ADDRESS 3245 AUBURN WAY SOUTH

[SIGNED] R.B. DeLamater License No. 0097

Contractor's

Registration No. NORTHWD137PQ

Date 08/08/90