INSIGHT GEOLOGIC, PLLC

March 16, 2004

SCA Consulting Group
P.O. Box 3485
Lacey, Washington 98503-0485

Attention: Craig Steepy

Report
Hydrogeologic Assessment and Infiltration Study
Proposed Steamboat Island Athletic Center
Olympia, Washington

INTRODUCTION

This report presents the results of our hydrogeologic assessment and infiltration study for the proposed Steamboat Island Athletic Club in Olympia, Washington. The site is located at the northwest corner of the intersection between Steamboat Island Road and Sexton Drive in the northwest quarter of the northeast quarter of Section 2, Township 18 North, Range 3 West of the Willamette Meridian in Thurston County, Washington. The location of the site is shown in the Vicinity Map, Figure 1.

We understand that an athletic club with adjacent parking are proposed for the 5.2-acre site. The site is currently undeveloped. We understand that water service will be provided through a Group A water system served by a water supply to be drilled in the northwest portion of the property. Sanitary wastes will be disposed of through an on-site drainfield to be located near the east portion of the site. A general layout of the proposed development is shown in the Site Plan, Figure 2.

The site is located in a Category II aquifer recharge area based on a review of the Thurston County Comprehensive Plan. Thurston County Health Department requires a hydrogeologic assessment to be completed to address possible ground water impacts related to the proposed project.

SCOPE OF SERVICES

The purpose of our services was to evaluate the hydrogeologic conditions at the site and to evaluate the site soils for stormwater. Specifically, our scope of services for this project included the following:

2401 Bristol Court SW
Olympia, Washington
98502

Phone: 360.754.2128
Fax: 360.754.4240

1. Review available information concerning topography, hydrogeology, soil conditions and other relevant characteristics of the site and surrounding area. This information included water well logs from Washington State Department of Ecology (Ecology) files, soil maps prepared by SCS (Soil Conservation Service), wellhead protection plans and published reports on the geology and hydrogeology of Thurston County.
2. Evaluate ground water elevations and flow direction based on available published and well log information.
3. Develop our opinion with regard to the potential impact of the proposed development on the aquifer systems in the site area.
4. Excavate a series of exploratory test pits on the site using a subcontracted backhoe to evaluate subsurface soil conditions with respect to stormwater infiltration.
5. Collect representative soil samples for textural and/or gradational analysis.
6. Provide estimates of stormwater infiltration rates in accordance with Thurston County's stormwater guidelines.
7. Prepare a written report summarizing our observations and conclusions.

SITE CONDITIONS

GENERAL

The site is an irregularly-shaped parcel comprising approximately 5.2 acres located northwest of the intersection between Steamboat Island Road and Sexton Drive Road in unincorporated Thurston County. The surrounding land use is mixed commercial and rural residential with a density of generally one acre or more per house. The site is currently undeveloped. The site slopes gently to the east and south at a grades of less than about 3 percent. The elevation of the site is approximately 155 feet above mean sea level (MSL). The closest named surface water bodies appear to be Schnieder Creek located approximately 0.1 miles southwest of the site and Eld Inlet located approximately 0.3 miles southeast of the site. We did not observe the presence of surface water on the property during our site visit in February 2004.

SURFACE CONDITIONS

The subject property is presently undeveloped. Vegetation at the site consists of grass, blackberry and scattered scotch broom. Gravely soils were observed in the areas of existing test pits in the east portion of the site and in nearby road cuts during our site visit.

The SCS map indicates the surface soil in the project area is Norma Silt Loam (76), Spana gravelly loam ((109) and Spanaway gravelly sandy loam (110). These soils are formed in areas of alluvium and glacial outwash. Permeability is moderately rapid in all of these soils.

GEOLOGIC CONDITIONS

Site geology was evaluated based on our review of available well logs, published information and our excavation of a series of test pits at the site. We were able to identify the locations of 7 wells within 1,000 feet of the site having well logs in Ecology's files. Copies of these well logs are contained in Attachment A. Copies of other well logs for wells in the vicinity of the site whose locations were not able to be identified are contained in Attachment B.

Based on our document review and site observations, the surface deposits within the study area appear to be the result of the most recent glacial episode, the Vashon stade of the Fraser glaciation, modified by subsequent erosion and weathering. The site is located on an upland area adjacent to Eld Inlet and appears to be underlain by silts and gravelly sand to depths between 10 and 20 feet below ground surface. This material was probably deposited as recessional outwash during the waning stages of the most recent glacial advance.

The recessional outwash material is underlain in the site area by Vashon-age glacial till and cemented gravel. Glacial till is deposited at the base of an advancing glacier and consists of an unsorted mixture of sand, silt, and gravel with occasional cobbles. Glacial till is generally very dense and generally has a low permeability. Glacial till is occasionally noted as "hardpan" or "cemented gravel" on drillers' logs. The glacial till or "hardpan" in the site area appears to be between about 15 to 40 feet thick as noted in well logs from nearby sites.

Glacial recessional outwash and till in the site area is underlain by advance outwash sand and gravel. The advance outwash was deposited by meltwater streams originating from the glacier and was subsequently overridden by glacial ice. The advance outwash material is generally in a dense condition and moderately permeable.

The Vashon deposits are underlain by deposits of the "Penultimate" glaciation consisting of compacted sand and gravel.

HYDROGEOLOGY

AQUIFER SYSTEMS

Based on our review of the available information, it appears that the primary water-bearing zone for nearby water supply wells is within the deposits of the Penultimate glaciation. The nearby wells identified in Attachment A generally appear to obtain water from the Penultimate deposits at depths between 70 and 130 feet below local ground surface. None of the well logs reviewed appear to tap the recessional outwash as an aquifer unit. The Penultimate aquifer appears to be separated from the overlying recessional deposits by glacial till having a relatively low permeability.

HYDRAULIC CONDUCTIVITY

Published estimates of hydraulic conductivity for the Penultimate aquifer range between 100 and 150 feet per day, while the hydraulic conductivity of glacial till in the Puget Sound region ranges from 10^{-3} to 1 gpd/ft^2.

GROUND WATER FLOW DIRECTION AND GRADIENT

The direction of local horizontal ground water flow for the Penultimate aquifer is to the southeast toward Eld Inlet based on published information. The gradient is approximately 0.001 feet per foot.

GROUND WATER RECHARGE

Ground water in Thurston County generally originates from precipitation. Downward percolation is rapid in the recessional outwash deposits. Downward percolation rates through glacial till are estimated at 3 to 10 inches per year where saturated.

The advance outwash aquifer is recharged by downward percolation of the shallow ground water or by direct precipitation in other areas where the advance outwash material is exposed. The recharge is impeded by glacial till that is present near the project site.

POTENTIAL GROUND WATER IMPACTS

We understand that an on-site septic tank and drainfield are proposed to serve the proposed athletic club. The site soils Spanaway gravelly sandy loam and Yelm silt loam are limited in their ability to remove nitrates from septic effluent due to their granular and porous nature. The presence of till will tend to reduce the rate of infiltration from septic systems and tend to increase the nitrate removal from the septic effluent.

STORM WATER INFILTRATION

SITE SOIL

We excavated a series of exploratory test pits on the site to evaluate the suitability of site soils for storm water infiltration. The locations of the test pits are shown in the Site Plan, Figure 2. Dense glacial till was found to be present in test pits TP-1, 2 and 3 located in the western portion of the site. Silt and sand were observed in TP-4, 5, 6, 7, 8 and 9. Sandy gravel was observed in test pits excavated by Dickinson and Associates in the area of the proposed septic drainfield in the eastern portion of the site. Test pit logs and photographs are contained in Attachment C.

INFILTRATION RATES

Bulk samples of the sandy units present in TP-5, 6, 7 and 9 were submitted to E3RA in Spanaway, Washington for gradational (sieve) analysis. The results of the sieve analyses are contained in Attachment D. The results of the sieve analyses confirm the descriptions derived from field observations. These soils consist of fine to medium sand with varying amounts of gravel and little silt.

Using the U.S. Department of Agriculture Textural Triangle(Figure 3.26 in Ecology's Stormwater Manual for Western Washington) , the soils classify as sand and are therefore suitable for design of infiltration structures. Using Table 3.7 of the SMWW gives infiltration rates for the sand unit between 2 and 4 inches per hour. The overlying silt unit would have an infiltration rate of between 0.25 and 0.13 inches per hour.

Using the results of the sieve analyses in conjunction with Table 3.8 of the SMWW gives infiltration rates in the sand unit of between 2.0 and 3.5 inches per hour which correlates well with the textural triangle results.

OPINION

Based on our understanding of Thurston County Critical Areas Ordinance No. 17.15, we believe that the information presented herein adequately characterizes the proposed project site for the purposes of the hydrogeologic site assessment. In our opinion, the proposed project does not appear to present adverse effects to the regional ground water quality in the Penultimate aquifer in the vicinity of the site due to septic effluent or storm water infiltration.

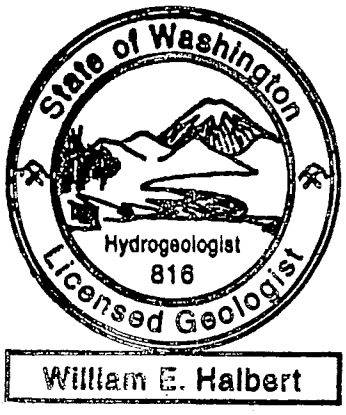
Near surface soil (Norma Silt Loam) in the central portion of the property appears to have relatively low long-term infiltration rates on the order of 0.25 inches per hour or less. Higher infiltration rates up to 3.5 inches per hour may be achieved if infiltration structures are extended to the sand layer present beneath the silt unit in the central portion of the site.

LIMITATIONS

We have prepared this report for use by SCA Consulting Group and their client. This report may be made available to regulatory agencies. Our interpretations regarding subsurface conditions are based on widely-spaced and generally, poorly-located water wells drilled and logged by others, on published geologic information and several shallow test pits, and should not be construed as a warranty of subsurface conditions. Actual subsurface conditions with respect to geology and ground water may vary with location and time and, if required, should be explored using appropriate field techniques.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted practices in this area at the time the report was prepared. No other conditions, express or implied, should be understood.

We appreciate the opportunity to assist you with this project. Please contact us if you have questions regarding the information presented in this report or if we can provide additional services.

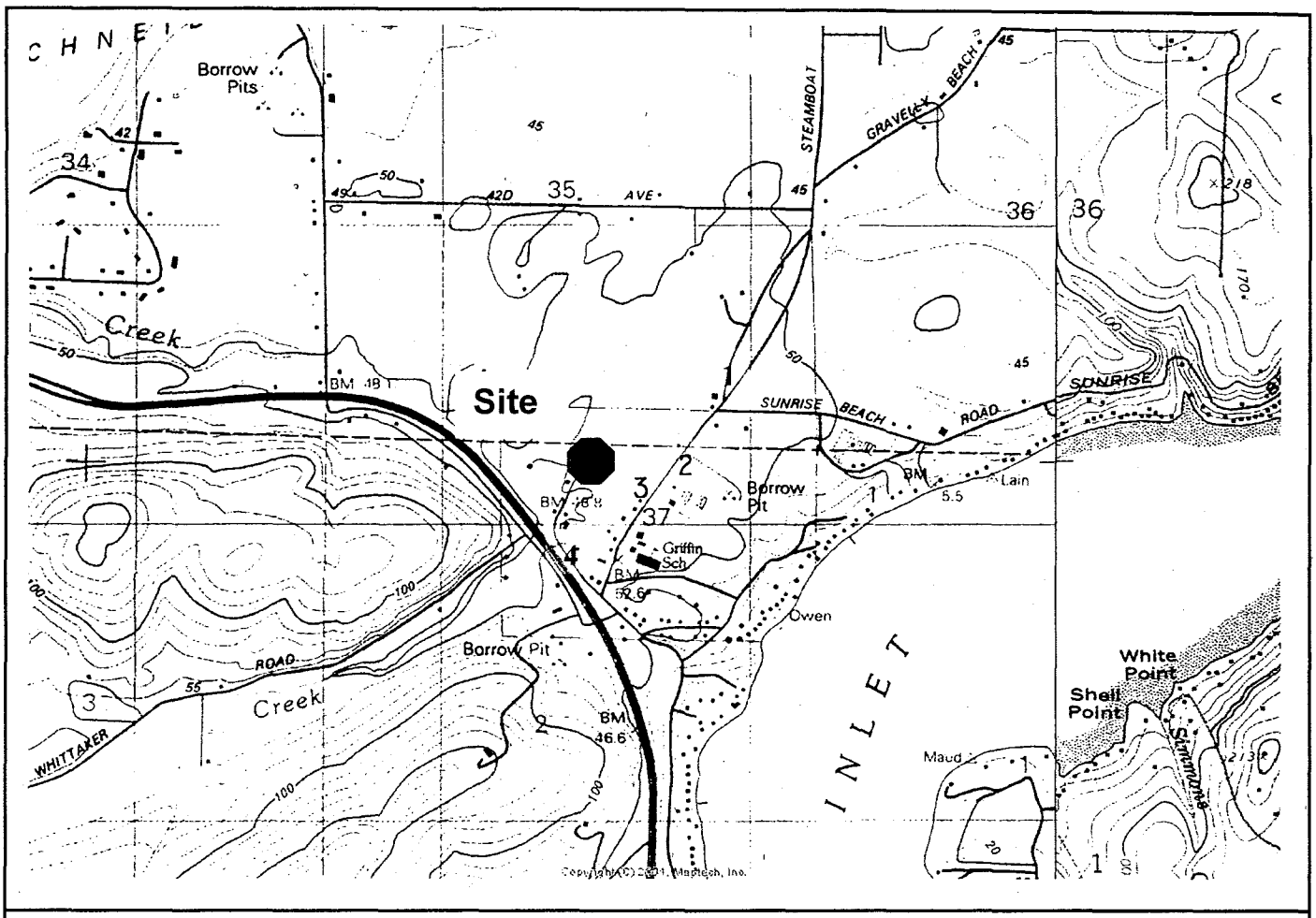


Yours very truly,

Insight Geologic, PLLC

William E. Halbert, L.G., L.HG.
Principal Hydrogeologist

Attachments



North

Scale: 1 inch = 2,400 feet

Key to Numbered Wells

1 – Goodwin, well depth 173 feet
2 – Haller, well depth 111 feet
3 - Forster, well depth 163 feet
4 – Coxwell/Peters, well depth 100 feet

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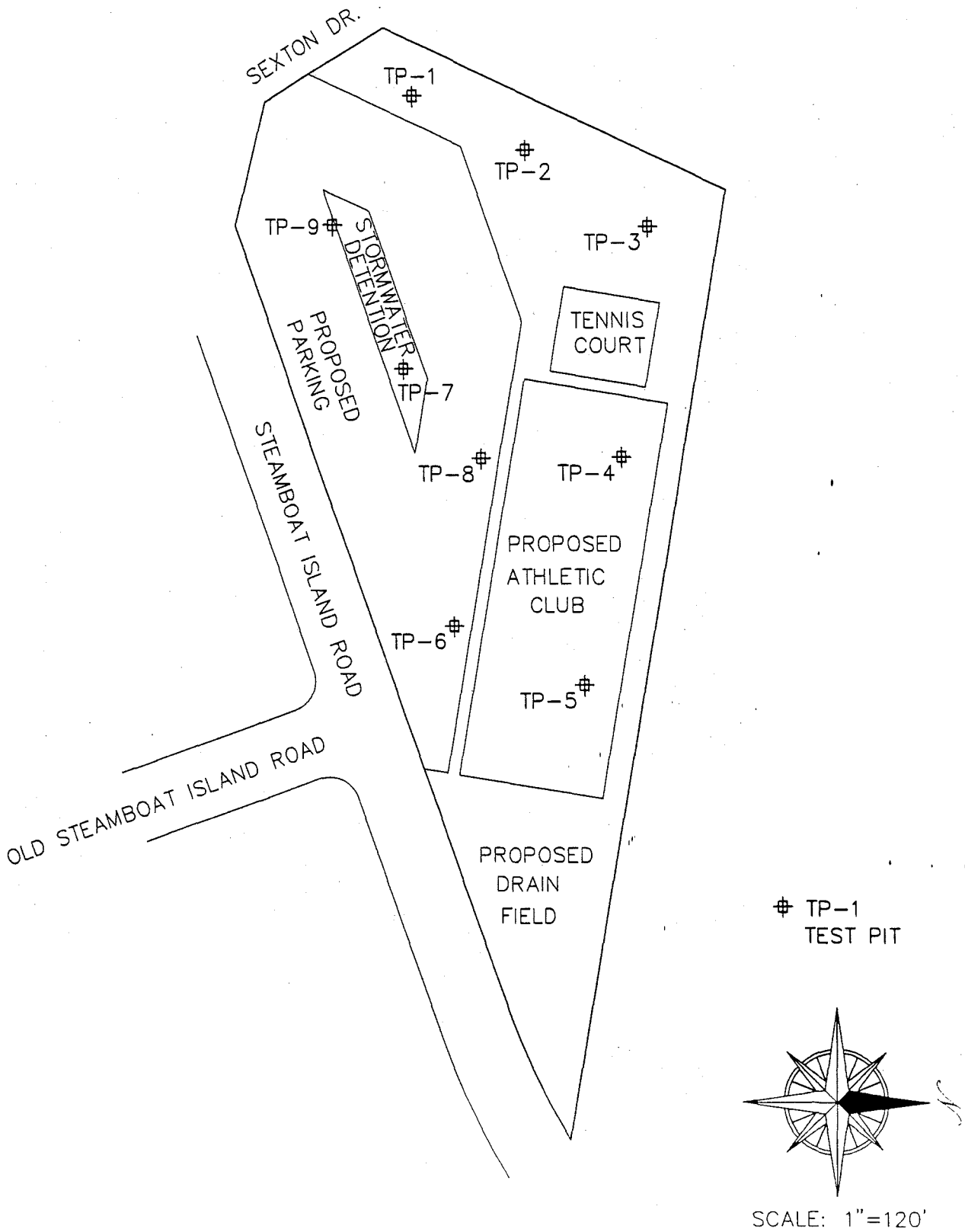
VICINITY MAP

Figure 1



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SITE PLAN

FIGURE: 2

ATTACHMENT C

TEST PIT LOGS

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE GRAINED SOILS More Than 50% Retained on No. 200 Sieve	GRAVEL More Than 50% of Coarse Fraction Retained on No. 4 Sieve	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
			GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	SAND More Than 50% of Coarse Fraction Passes No. 4 Sieve	CLEAN SAND	SW	WELL-GRADED SAND, FINE TO COARSE SAND
			SP	POORLY-GRADED SAND
		SAND WITH FINES	SM	SILTY SAND
			SC	CLAYEY SAND
FINE GRAINED SOILS More Than 50% Passes No. 200 Sieve	SILT AND CLAY Liquid Limit Less Than 50	INORGANIC	ML	SILT
			CL	CLAY
		ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
	SILT AND CLAY Liquid Limit 50 or More	INORGANIC	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
			CH	CLAY OF HIGH PLASTICITY, FAT CLAY
		ORGANIC	OH	ORGANIC CLAY, ORGANIC SILT
HIGHLY ORGANIC SOILS			PT	PEAT

NOTES:

1. Field classification is based on visual evaluation of soil in general accordance with ASTM D2488-90.
2. Descriptions of soil density or consistency are based on interpretation of blow count data, visual appearance of soils, and/or test data.

SOIL MOSTURE MODIFIERS:

Dry - Absence of moisture, dusty, dry to the touch

Moist - Damp, but no visible water

Wet - Visible free water or saturated, usually soil is obtained from below water table

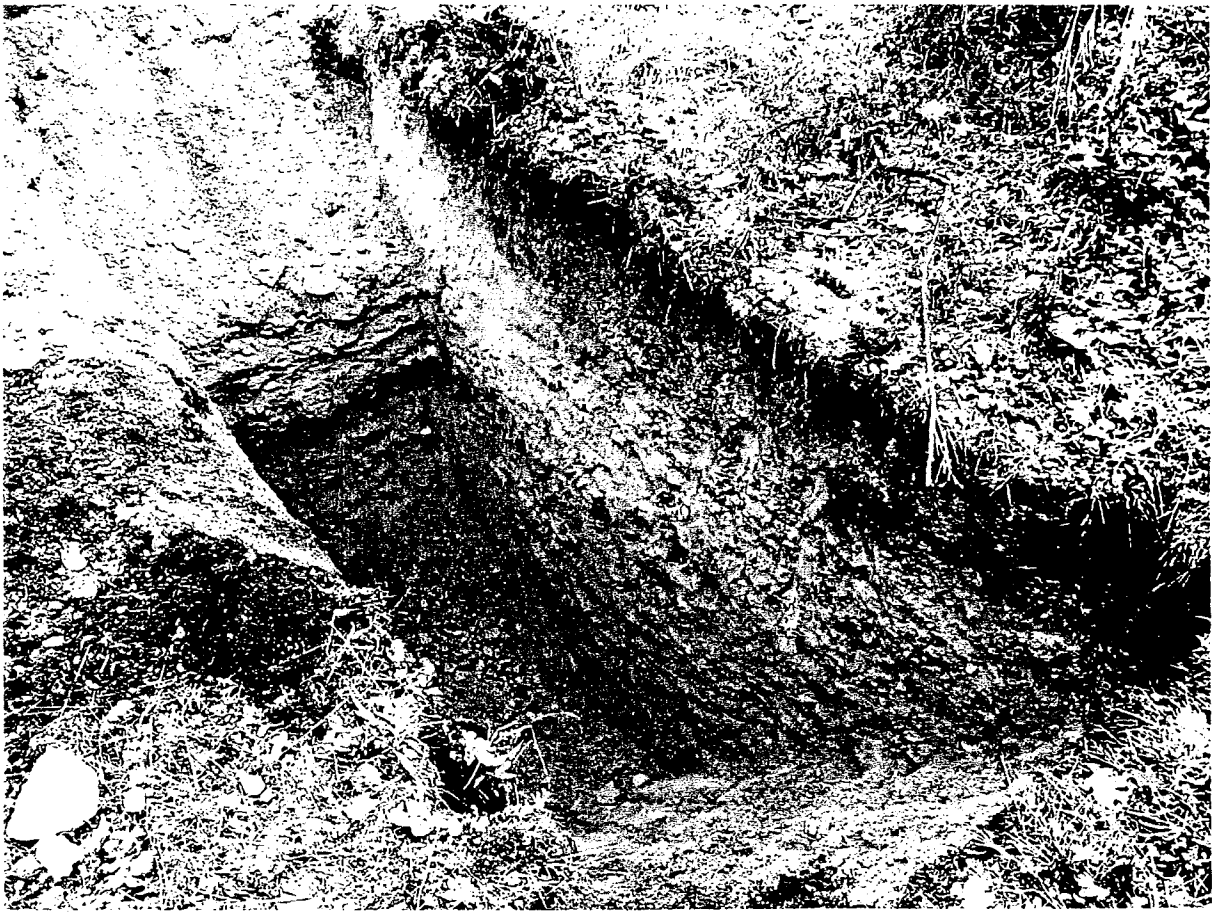
INSIGHT GEOLOGIC, PLLC

SOIL CLASSIFICATION SYSTEM

FIGURE C-1

ATTACHMENT C
TEST PIT LOGS

	Depth (feet)	Description
TP-1		
	0 – 1.0	Dark brown silty fine sand (SM), roots, loose
	1.0 – 2.0	Brown silty fine to medium sand with gravel (SM), moderately dense
	2.0 – 4.0	Gray fine sand with silt, grades to medium sand with depth (SM/SP), dense, slow seepage observed at 4.0 feet
	4.0 – 6.0	Gray silty fine sand (SM), dense
TP-2		
	0.0 – 1.0	Dark brown silty fine sand with roots (SM), loose
	1.0 – 2.0	Brown silty fine to medium sand with fine gravel (SM), moderately dense
	2.0 – 6.0	Gray fine to medium sand with silt, trace fine to medium gravel, grades to fine to medium sand (SM/SP), dense



Photograph showing soil exposed in TP-2.

Attachment C
Test Pit Logs

TP-3

0.0 – 2.0	Dark brown silty fine sand with roots (SM), loose
2.0 – 3.0	Brown silty fine to medium sand with gravel (SM), moderately dense
3.0 – 6.5	Gray fine to medium sand with silt, trace gravel (SM), dense
6.5 – 10.0	Gray medium sand (SP), trace gravel, moderately dense

Photograph showing soil exposed in TP-3.

TP-4

0.0 – 2.0	Dark brown silty fine sand with roots (SM), loose
2.0 – 8.0	Brown silt, trace clay (ML), moderately stiff, non-plastic
8.0 – 9.0	Gray silty fine sand (SP)
9.0 – 13.0	Brown silty clay, moderately stiff, slightly plastic

Photograph showing soil exposed in TP-4

TP-5

0.0 – 2.0	Dark brown silty fine sand with roots (SM), loose
2.0 – 4.5	Brown silt, trace clay (ML), moderately stiff, non-plastic
4.5 – 7.0	Gray fine to medium sand (SP), trace gravel moderately dense
7.0 – 10.0	Gray fine to medium sand with silt (SM), trace gravel, moderately dense

Photograph showing soil exposed in TP-5

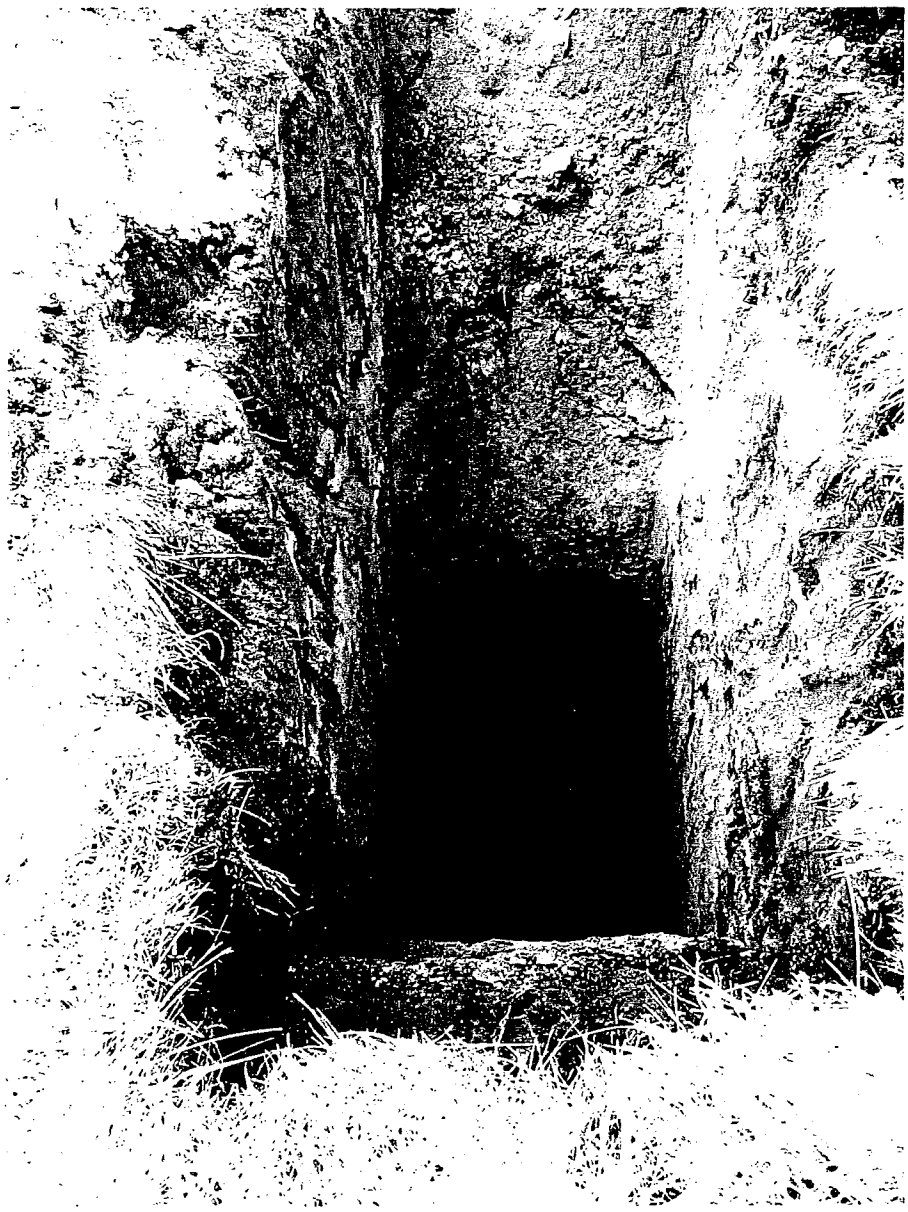
TP-7

0.0 – 2.0	Dark brown silty fine sand with roots (SM), loose
2.0 – 6.0	Brown silt, trace clay (ML), medium stiff, non-plastic
6.0 – 8.0	Gray fine to medium sand, trace silt (SP), loose
8.0 – 10.0	Brown silt, trace fine sand (ML), stiff

Photograph showing soil exposed in TP-7

TP-8

0.0 – 2.5	Dark brown silty fine sand with roots (SM), loose
2.5 – 4.0	Gray fine to medium sand with a trace of silt (SP), interbedded with brown silt with a trace of grave (ML)l, moderately dense
4.0 – 7.5	Brown silt, trace clay (ML), medium stiff, non-plastic
7.5 – 11.0	Gray fine to medium sand, trace silt, trace fine gravel (SP), moderately dense
11.0 – 12.0	Brown fine to medium gravel with fine to medium sand (GP), dense



Photograph showing soil exposed in TP-8.

ATTACHMENT D

SIEVE ANALYSES

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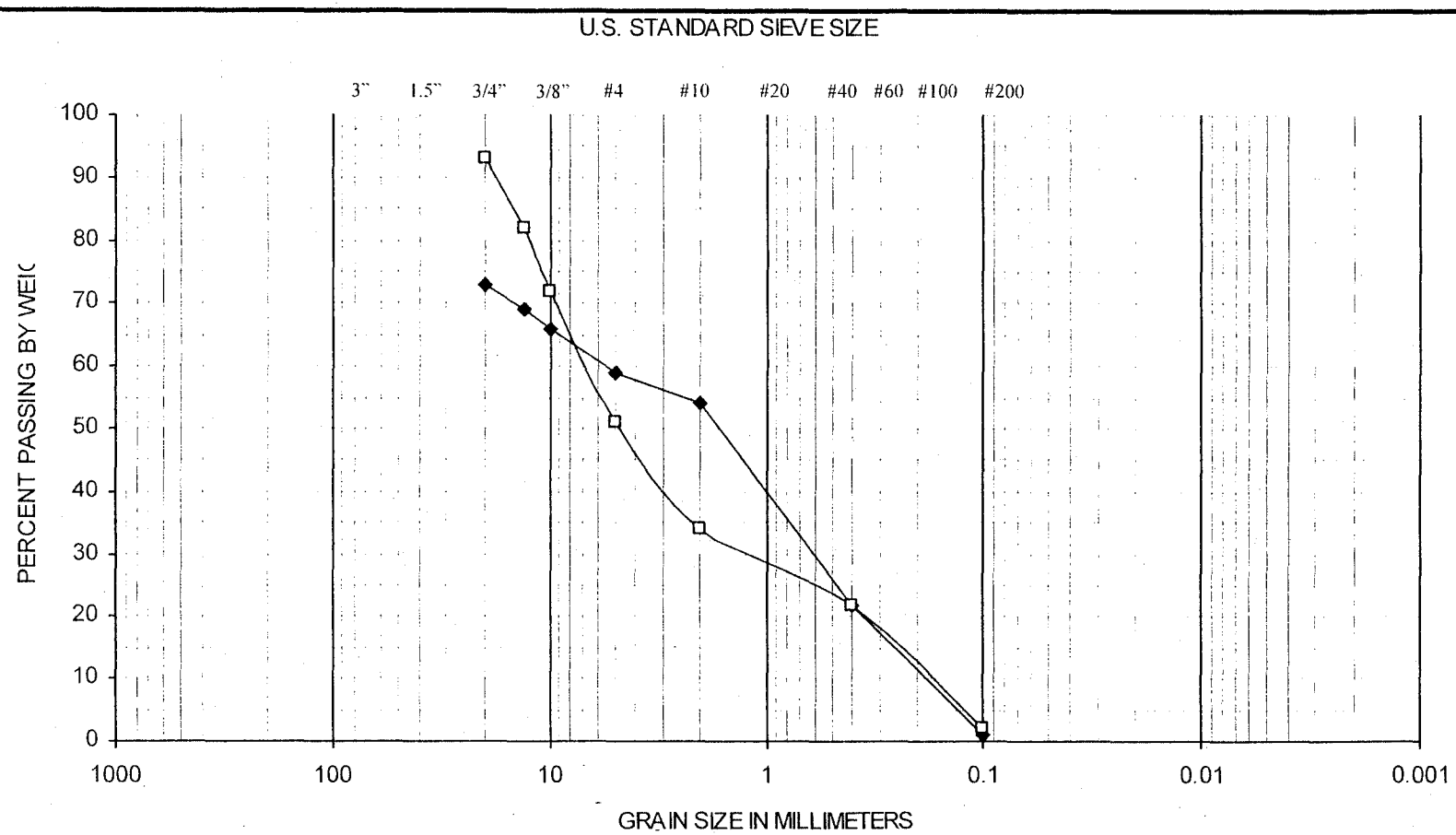

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SYMBOL	EXPLORATION NUMBER	SAMPLE DEPTH (feet)	SOIL CLASSIFICATION
◆	TP-5	4.5 – 7.0	Gray fine to medium sand with gravel (SP)
□	TP-6	8.0 – 11.0	Gray fine to coarse sand with gravel (SP)

SIEVE ANALYSIS RESULTS

FIGURE D-1

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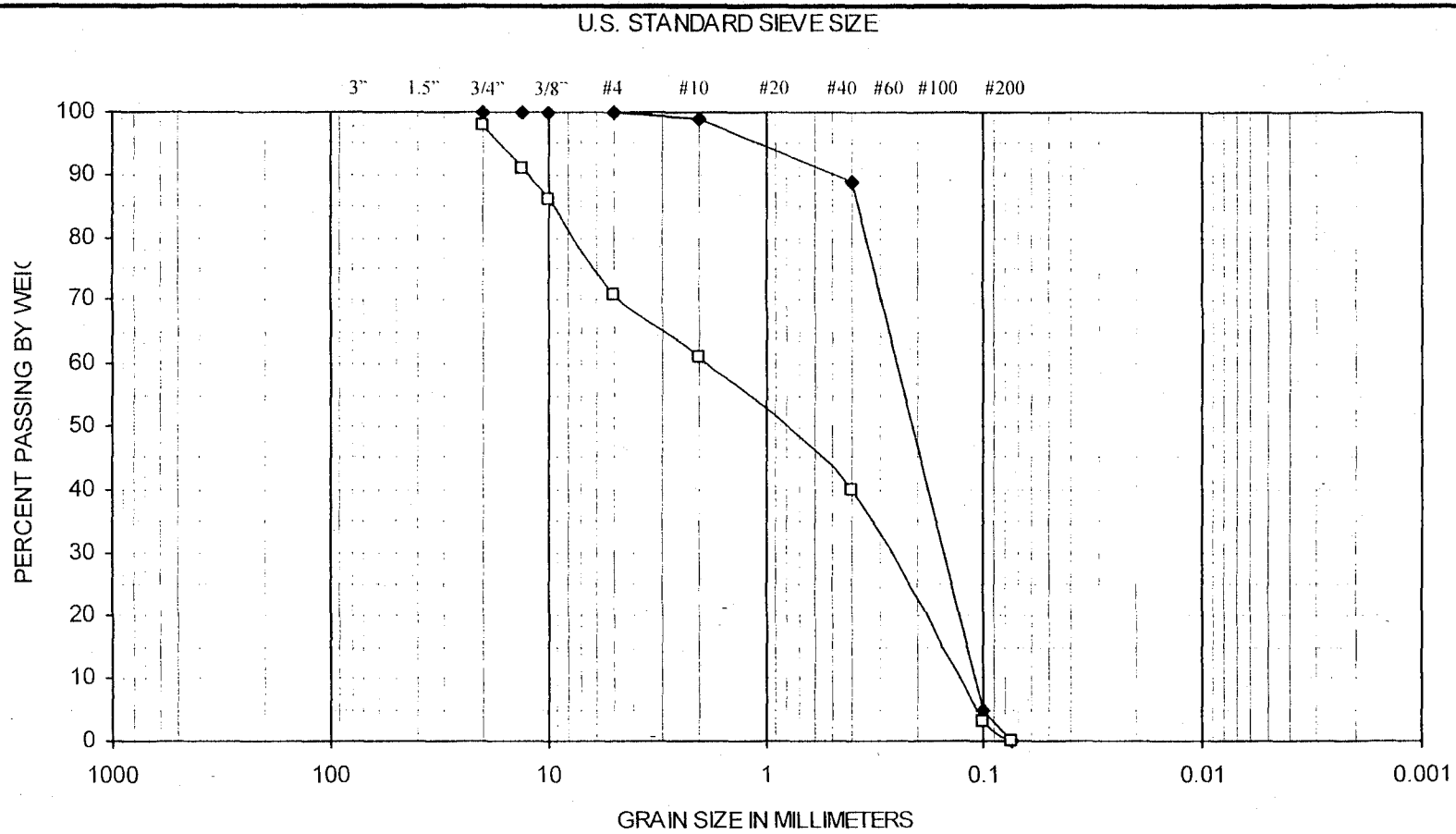

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SYMBOL	EXPLORATION NUMBER	SAMPLE DEPTH (feet)	SOIL CLASSIFICATION
◆	TP-7	6.0 – 7.0	Gray fine to medium sand (SP)
□	TP-9	8.0 – 11.0	Gray fine to medium sand with gravel (SP)

SIEVE ANALYSIS RESULTS

FIGURE D-2

ATTACHMENT A

NEARBY WELL LOGS

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 William Peters Address 3437 Steamboat Island Rd., Olympia, Wa

(2) LOCATION OF WELL: County Thurston — ¼ SW ¼ Sec. 35 T. 19 N., R. 3 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 100 ft. Depth of completed well 100 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from +1 ft. to 94 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 Johnson
Type ... Model No. ...
Diam. 6 Slot size 35 from 95 ft. to 100 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? 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 ...

(7) PUMP: Manufacturer's Name Red Jacket
Type: 9 B.C. H.P. 172

(8) WATER LEVELS: Land-surface elevation above mean sea level.... ... ft.
Static level 71 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? Bartholomew
Yield: 30 gal./min. with 5 ft. drawdown after 2 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 ...
Air test 20 gal./min. with ... ft. drawdown after 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
Top soil	0	1
Sand and gravel	1	100

RECEIVED
~~MAY 10 1983~~
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

RECEIVED
MAY 5 1983
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 3/8, 19 83. Completed 3/9, 19 83

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

Address N. 11525 Nine Mile Rd., Nine Mile Falls

[Signed] Gary Bartholomew (Well Driller)

License No. 0051 Date 4/18, 19 8

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

A-46664 &

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

WATER WELL REPORT

STATE OF WASHINGTON

97847

Notice of Intent W1172D

UNIQUE WELL I D # _____

Water Right Permit No decommissioned

(1) OWNER Name Nora Coquwell Address 3437 Steamboat Island Rd. - Olym

(2) LOCATION OF WELL County Thurston NW 1/4 NE 1/4 Sec 2 T 18 N R 3W WM

(2a) STREET ADDRESS OF WELL (or nearest address) 3437 Steamboat Island Rd - Olympia

TAX PARCEL NO 09260009000

(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 ☐ Deepened ☐ Reconditioned ☐ Decommission
Method ☐ Dug ☐ Cable ☐ Rotary ☐ Bored ☐ Driven ☐ Jetted

(5) DIMENSIONS Diameter of well 6 inches
Drilled 98'-0" feet Depth of completed well -0- ft

(6) CONSTRUCTION DETAILS
Casing Installed
☐ Welded _____" Diam from _____ ft to _____ 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? _____ 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 _____ H P _____

(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
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
Airtest _____ 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 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
sandy loam & gravel (brown)	0	2
clay, gravel & sand brown	2	74
clay, gravel & sand brown	74	96
basalt & clay green-gray	96	98
Basalt (black)	98	
Removed all casing & backfilled with 3/8 hole plug		

RECEIVED
JUN 21 2001
Washington State Department of Ecology

Work Started 7 June 01 Completed 13 June 01

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 L. Carpenter License No 67
(Licensed Driller/Engineer)
Trainee Name — License No —
Drilling Company Carpenter Drill. Co
(Signed) L. Carpenter License No 67
(Licensed Driller/Engineer)
Address 4210 Shincke Rd Oly
Contractor's Registration No CARPEDE140B0 Date 16 June 01

(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

ECY 050 1-20 (11/98)

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

90614

Start Card No W129325
UNIQUE WELL I D # ACM 997
Water Right Permit No

(1) OWNER Name Karl & Charleen Forster Address 3710 S Goldfield Apache Jct. AZ

(2) LOCATION OF WELL County Thurston NW 1/4 NE 1/4 Sec 2 T 15N N R 3W WM

(2a) STREET ADDRESS OF WELL (or nearest address) 3505 Steamboat Island Rd

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

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

(5) DIMENSIONS Diameter of well 6 inches
Drilled 163-0 feet Depth of completed well 163-0 ft

(6) CONSTRUCTION DETAILS
Casing installed
☒ Welded 6" Diam from +1 ft to 163 0 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
perforations from ft to ft
perforations from ft to ft

Screens ☒ Yes ☐ No
Manufacturer's Name Wesco
Type Model No
Diam Slot size from ft to ft
Diam 5 5/8 Slot size 14 from 158-4 ft to 163-0 ft

Gravel packed ☐ Yes ☒ No Size of gravel
Gravel placed from ft to ft

Surface seal ☒ Yes ☐ No To what depth? 18
Material used in seal Bentonite
Did any strata contain unusuable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP Manufacturer's Name Ewi
Type Submersible HP 1.

(8) WATER LEVELS Land-surface elevation above mean sea level ft
Static level 132-0 ft below top of well Date 1-15-2001
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? K Swanson
Yield 10 gal./min with 21 ft drawdown after 2 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
Airtest gal./min with stem set at ft for hrs
Artesian flow g.p.m. Date
Temperature of water 51 Was a chemical analysis made? ☐ Yes ☒ No

(10) WELL LOG or ABANDONMENT 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

MATERIAL	FROM	TO
Depth of well	134-0	
Deepened to	163-0	
gravel Compact Lt brown	134-0	136
Clay & gravel Seepage Lt brown	136	152
Sand & gravel Active Lt brown	152	163

RECEIVED
FEB 21 2001
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 1-15- 2001 Completed 1-20- 2001

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.

NAME Swanson Drilling
(Person, Firm, or Corporation) (Type or Print)
Address 3342 Libby Rd Olympia
(Signed) [signature] License No 1225
Contractor's Registration No SWANSDC19207 Date 1-20-2001

(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

ECY 050 1 20 (7/97)

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

Start Card No. W100404
Unique WELL I.D. # ACM 997
Water Right Permit No. ____

(1) OWNER: Name Karl & Sharleen Foerster Address 915 L St #C156, Sacramento, CA 95814

(2) LOCATION OF Well: County Thurston - NW 1/4 NE 1/4 Sec 2 T. 18N N.,R 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3505 Steamboat Island Rd Parcel # 09260008000

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 136 feet. Depth of completed well 136 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" " Diam. from +1 ft. to 136 ft.
Welded [X] " Diam. from ____ ft. to ____ ft.
Liner installed [ ] " Diam. from ____ ft. to ____ ft.
Threaded [ ]

Perforations: Yes [ ] No [X]
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 [X]
Manufacturer's Name ____
Type ____ Model No. ____
Diam. ____ Slot size ____ from ____ ft. to ____ ft.
Diam. ____ Slot size ____ from ____ 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 Bentinite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name Flint Walling
Type: submersible H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level 106 ft. below top of well Date 1/19/98
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 [X] 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 ____
Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Airtest 15+ gal./min. with stem set at 116 ft. for 2 hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analyses made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION:
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 information

MATERIAL	FROM	TO
Top Soil	0	12
Hard Pan	12	17
Sand & Gravel	17	136

RECEIVED 98 MAR -9 PM 2:20 S.W. REGIONAL OFFICE

Work Started 12/31/97, 19. Completed 1/19/98, 19

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 Corbie Chance Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1411 Kaiser RD NW, Olympia, WA 98502
(Signed) Forest Chance (WELL DRILLER) License No. 2376
Contractor's Registration No. CORBICDO55BJ Date 1/27, 19 9

(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: Orig. & First Copy - Dept of Ecology
Second Copy - Owner; Third Copy Driller

WATER WELL REPORT
State of Washington

Start Card No. W 070428
Unique Well ID 1
Water Right Permit No.

(1) OWNER: Name JERRY HALLER Address 3548 STEAMBOAT ISLAND RD OLYMPIA WA 98502
(2) LOCATION OF WELL: County THURSTON SW 1/4 NE 1/4 Sec 2 T 18 N R 3
(2a) STREET ADDRESS OF WELL (or nearest address) 3510 STEAMBOAT ISLAND RD OLYMPIA WA

(3) PROPOSED USE: DOMESTIC
(4) Type of work: NEW WELL
Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 111 feet. Depth of completed well 111 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 109 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
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 X No _
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam 6 Slot size 15 from 109.3 ft. to 111 ft.
Diam Slot size from 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? 23 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name JACUZZI
Type SUBMERSIBLE H.P. 0.5

(8) WATER LEVELS: Surface elev above mean sea level ft.
Static level 88.7 ft. below top of well Date 04/22/96
Artesian pressure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? ___ By whom?
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

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

Date of test
Bailer test 0 gal/min with ft. drawdown after hr
Airtest 7 gal/min with stem set at 105 ft. for 1 hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? NO

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material	From	T
TOPSOIL	0	2
BROWN SANDY CLAY, GRAVELS	2	39
BROEN SILTY SANDS, GRAVELS	39	85
BROWN SANDY CLAY, GRAVELS	85	96
LOOSE BROWN SILTY SAND, GRAVEL	96	11

Work Started 04/19/96 Completed 04/22/96

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for constructi this well, and its compliance with all Washington well co ruction standards. Materials used and the information rep above are true to my best knowledge and belief.
Name RICHARDSON WELL DRILLING
Address P.O. Box 44427 Tacoma WA 98444

(Signed) [signature] Lic. No 2017
(Well Driller)
Contractor's Registration No. RICHAW*3210B Date 04/
Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W062315
Unique Well I.D. # ABY172
Water Right Permit No.

(1) OWNER: Name GOODWIN, JULIE Address 3810 STEAMBOAT ISLAND LP. OLYMPIA, WA 98502-

(2) LOCATION OF WELL: County THURSTON - SE 1/4 SE 1/4 Sec 35 T 19N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) 3810 STEAMBOAT ISLAND LP, OLYMPIA

(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 173 ft. Depth of completed well 171.6 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from +1 ft. to 165.9 ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

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 HUSTON
Type SLOTTED Model No.
Diam. 5 slot size .035 from 158.8 ft. to 171.6 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? 20 ft.
Material used in seal BENTONITE
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 116 ft. below top of well Date 06/30/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
FINE BROWN SAND SOME GRAVEL	0	3
BROWN COURSE SAND SOME GRAVEL	3	9
BROWN COURSE SAND GRAVEL	9	95
WET COURSE SAND GRAVEL	95	101
FINE BROWN SAND BRN CLAY BINDER	101	111
GRAY CLAY	111	124
GRAY CLAY AND GRAVEL	124	127
WET COURSE SAND GRAVEL	127	134
COURSE SAND GRAVEL BRN CLAY BINDER	134	152
COURSE SAND PEA GRAVEL WATER BEARING	152	153
HEAVING COURSE SAND BLACK SILT	153	161
BLACK COURSE SAND WATER	161	164
PEA GRAVEL BLACK COURSE SAND	164	166
BLACK PEA GRAVEL GRAVEL & WATER	166	169
PEA GRAVEL COURSE SAND WATER	169.6	171
GRAVEL & WATER SOME COURSE SAND	171	173
BLACK COURSE SAND GRAVEL & WATER	173	

Work started 06/30/95 Completed 06/30/95

(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 30 gal/min. w/ stem set at 145 ft. for 1 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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS SE 118 WALKER PARK RD.

[SIGNED] License No. 2053

Contractor's Registration No. ARCADDI098K1 Date 07/07/95

ATTACHMENT B

OTHER WELL LOGS

Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name Ted Sunberg Address 6826 Whittaker Rd, Olympia

(2) LOCATION OF WELL: County Thurston County NW¼ NW¼ Sec 2 T. 18 N., R. 3 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Same

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 353' 4" feet. Depth of completed well 354' 10" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: Welded ☑ Liner installed ☐ Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.
" 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
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata 7'
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 349' 3" 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
Bailer test gal./min. with ft. drawdown after hrs.
Airtest 3/4 gal./min. with stem set at 349 ft. for 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Yellow Clay & Gravel w/Traces of Basalt	0	7
W/B Basalt w/Traces of Burnt Basalt	7	60
Yellow Clay w/Packing Gravel & Basalt	60	65
W/B Basalt w/Traces of white & Green Rock	65	125
W/B Basalt w/Green Clay Seams	125	128
W/B Basalt w/Traces of white & Green Rock	128	258
W/B Basalt w/Blue Clay Seams	258	271
W/B Basalt w/Burnt Basalt	271	280
W/B Basalt w/Blue Clay Seams	280	300
W/B Basalt w/Traces of white & Green Rock	300	354

Work started 4-21-93, 19. Completed 4-22-93, 19

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 Williams Drilling Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address P.O. Box 797 Aberdeen, Wa. 98520
(Signed) Bingham Ward (WELL DRILLER) License No. 1952
Contractor's Registration No. WILLIDRCRG Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 18
2/14

WATER WELL REPOR

STATE OF WASHINGTON

Start Card No. W060153
Unique Well I.D. # ARP185
Water Right Permit No.

(1) OWNER: Name ERICKSON, TED Address 10131 MARINER DRIVE NW OLYMPIA, WA 98502-9756

(2) LOCATION OF WELL: County THURSTON - NE 1/4 SE 1/4 Sec 35 T 19 N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) 6240 SUNRISE BEACH ROAD, OLYMPIA

(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 10 inches
Drilled 158.3 ft. Depth of completed well 158.3 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 10 " Dia. from +2 ft. to 154.7 ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

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 WESCO
Type SLOTTED Model No.
Diam. 8 slot size .025 from 158.3 ft. to 153.3 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
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 118 ft. below top of well Date 04/26/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
TOP SOIL AND GRAVEL	0	1
SANDY YELLOW CLAY GRAVEL	1	43
COURSE SAND HARD PAN YLW CLAY BINDER	43	95
PEA GRAVEL COURSE SAND CLAY BINDER	95	104
GRAY CLAY	104	111
GRAY CLAY TRACE OF PEA GRAVEL	113	11[illegible]
YELLOW CLAY	118	12[illegible]
GRAY CLAY	122	140
YELLOW CLAY GRAVEL WATER BEARING	140	145
COURSE SND/GRV WATER BEARING YLW CLAY BINDER	145	15[illegible]

'95 MAY -8 AM 10:13

Work started 04/19/95 Completed 04/26/95

(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 30+ gal/min. w/ stem set at 153 ft. for 1 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 WILLIAMS DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS PO BOX 331 ABERDEEN, WA

[SIGNED] Brigham A. Ward License No. 1952

Contractor's Registration No. WILLIDI100RG Date 05/05/95

#7 SUA

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. M38567
Water Right Permit No. AA0243

(1) OWNER: Name SUNDBERG, TED Address 6826 WHITTAKER ROAD OLYMPIA, WA 98502-

(2) LOCATION OF WELL: County THURSTON - NW 1/4 NW 1/4 Sec 2 T 18N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) 6826 WHITTAKER ROAD

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (if more than one) 1
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 460 ft. Depth of completed well 460 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 41.5 ft. to 76.9 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

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: 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? 20 ft.
Material used in seal BENTONITE
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 320 ft. below top of well Date 11/19/93
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
BROWN CLAY BASALT	0	12
CEMENTED GRAVEL	12	16
BROWN CLAY BASALT	16	22
BROWN SOFT BASALT	22	49
BLACK BROWN BASALT	49	62
SOFT BLACK BASALT	62	86
BLACK BASALT	86	101
BROWN BASALT	101	104
SOFT BLACK BASALT	104	145
FRACTURED BASALT WATER	145	153
BLACK BASALT	153	175
GREEN BASALT	175	214
WATER GREEN BASALT	214	215
GREEN BASALT	215	240
BLACK BASALT	240	243
FRACTURED BLACK BASALT	243	252
BLACK BASALT	252	287
GREEN BASALT	287	292
BLACK BASALT	292	402
GREEN BASALT	402	418
BLACK BASALT	418	421
BROWN BASALT WATER	421	425
GREEN BLACK BASALT	425	436
BLACK BASALT	436	443
GREEN BASALT	443	450
BLACK BASALT	450	460

Work started 11/17/93 Completed 11/19/93

(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 30+ gal/min. w/ stem set at 420 ft. for 1 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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS RR 1 TD, WALKER PARK RD

[SIGNED] License No. 1053

Contractor's Registration No. ARCADDIO98K1 Date 11/19/93

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

Notice of Intent No. _____

Unique Ecology Well ID Tag No. AGR370

Water Right Permit No. Exempt Well

Property Owner Name Sunrise Ridge Association

Well Street Address 6828 NW Blackberry Lane

City Olympia County: Thurston

Location NW 1/4- 1/4 NW 1/4 Sec 2 Twn 18N R 3W EWM or WWM (circle one)

Lat/Long: (s,t,r still REQUIRED) Lat Deg N47° Lat Min/Sec 49'30"

Long Deg W123° Long Min/Sec 44'49.2"

Tax Parcel No. 13802220400

Construction/Decommission ("x" in cir

(X) Construction

( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number* 130753

PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

[X] New Well [ ] Reconditioned [ ] Deepened

Method: [ ] Dug [ ] Bored [ ] Driven [ ] Cable [X] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 540 ft.

Depth of completed well 540 ft.

CONSTRUCTION DETAILS

Casing Installed: [X] Welded 6" Diam. from +1 ft. to 38 ft.

[X] Liner installed 4.5" Diam. from 4 ft. to 540 ft.

[ ] Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: [X] Yes [ ] No

Type of perforator used Drill

SIZE of perfs 1/2 in. by 1/2 in. and no. of perfs 300 from 440 ft. to 540 ft.

Screens: [ ] Yes [X] 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 [X] No [ ] Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: [X] Yes [ ] No To what depth? 20 ft

Materials used in seal Bentonite

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level 412 ft.

Static level 175 ft. below top of well Date 3-16-03

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 [X] 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.

Airtest 7 gal./min. with stem set at 540 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water 52 Was a chemical analysis made? [ ] Yes [X] 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)

MATERIAL	FROM	TO
Brown fine to medium sandy	0	
gravel, dry, dense, silt		
bound		22
Brown basalt, dry, soft,	22	
weathered		36
Black basalt, dry, medium	36	72
Brown basalt, set, soft,	72	
weathered, fractured		109
Black basalt, dry, medium	109	174
Black and brown basalt,	174	
moist, soft, fractured oldvine		190
Black basalt, dry, hard	190	296
Black basalt, moist, soft	296	
oldvine, fractured		310
Black basalt, dry, hard	310	473
Black, green, and brown basalt	473	
soft moist		496
Black basalt, dry, hard	496	531
Black basalt, fractured	531	532
Black basalt, dry, hard	532	540

RECEIVED

APR 11 2003

Washington State Department of Ecology

Start Date 3-14-03 Completed Date 3-16-03

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.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) Rogeray Phythian

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No. 2053

If trainee, licensed driller's Signature and License no. _____

Drilling Company Arcadia Drilling Inc.

Address 170 SE Walker Park Road

City, State, Zip Shelton WA 98584

Contractor's Registration No. ARCADDI098K1 Date 3-16-03

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

77710

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No W116152
UNIQUE WELL I D # AFP 012
Water Right Permit No

(1) OWNER Name SCOTT CALKINS Address 3446 MADRONA BEACH RD NW OLYMPIA

(2) LOCATION OF WELL County THURSTON '00 OCT 23 P1:26 NE 1/4 NE 1/4 Sec 2 T 18 N R 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3441 MADRONA BEACH RD NW OLYMPIA, WA.

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

(4) TYPE OF WORK Owner's number of well (if more than one) 1
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method Dug ☐ Cable ☐ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 6 inches
Drilled 104 feet Depth of completed well 104 ft

(6) CONSTRUCTION DETAILS
Casing installed 6 Diam from +1 ft to 94 ft
Welded ☒ Liner installed ☐ Threaded ☐
Diam from ft to ft
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 WESCO
Type WIRE Model No
Diam 6 Slot size 18 from 94 ft to 104 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 BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP Manufacturer's Name GOULDS
Type SUB HP 3/4 HP

(8) WATER LEVELS Land surface elevation above mean sea level 120 ft
Static level 78 ft below top of well Date 5-17-00
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
Bailer test 13 gal/min with 4 ft drawdown after 2 hrs
Airtest gal/min with stem set at ft for hrs
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
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 information

MATERIAL	FROM	TO
TOP SOIL W/ CLAY	0	1
SAND - GRAVEL - CLAY	1	14
CLAY W/ SAND SEAMS	14	21
SAND - CLAY - GRAVEL (COMPACT)	21	58
GRAVEL W/ SAND	58	67
SAND - CLAY - GRAVEL	67	89
WB Sand slot w/gravel	89	104

RECEIVED
OCT 25 2000
DEPT OF ECOLOGY

Work Started 5-15 00 Completed 5-17 00

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 TIMS WELL DRILLING (PERSON FIRM OR CORPORATION) (TYPE OR PRINT)
Address PO BOX 436 EAST OLYMPIA WA
(Signed) (WELL DRILLER) License No 832
Contractor's Registration No TIMSWD131PE Date 5-24-2000

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer For special accommodation needs, contact the Water Resources Program at (206) 407-6600 The TDD number is (206) 407-6006

ECY 050-1 20 (9/93) 77718

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

Start Card No. W 01576

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name Michael Hickman Address 6913 Old Hwy 101 N.W

(2) LOCATION OF WELL: County Thurston NW ¼ NE ¼ Sec 2 T 18 N., R 3 W W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Same

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 252' 9" feet. Depth of completed well 254' 3" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from +1' 6 ft. to 84' 1/2 ft.
Welded ☑ 4 1/2" Diam. from 74' 3" ft. to 254' 3" ft.
Liner installed ☑
Threaded ☐ " 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 Bentonite
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 172' 7" 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

Bailer test gal./min. with ft. drawdown after hrs.
Airtest 3 1/2 gal./min. with stem set at 249 ft. for 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top Soil w/Gravel	0	18
Sandy Yellow Clay	18	19
Gravel & Course Sand w/Yellow Clay Binder	19	33
Sandy Gray Clay & Gravel	35	37
Gravel & Course Sand w/Yellow Clay Binder w/B 1gpm	37	54
Burnt Fractured Basalt w/ Yellow Clay Seams	54	92
W/B Basalt w/Green Rock Seams	92	212
W/B Basalt w/Green & White Rock Streaks	212	245
W/B Basalt w/White & Gray Rock	245	254
W/B 112' 1/4 GPM		
192' 2 3/4 "		
212 1/4 "		
254 1/4 "		

Work started 9/8, 19. Completed 9/10, 19

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 Williams Drilling Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address P.O. Box 797
(Signed) [signature] (WELL DRILLER) License No. 2169
Contractor's Registration No. WILLDI100 RG Date 9-10, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

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

Start Card No. 023997

Water Right Permit No. _____

(1) OWNER: Name Michael and Roberta Mobbs Address 6507 41st Ave. NW, Olympia, Wa.

(2) LOCATION OF WELL: County Thurston NW ¼ SE ¼ Sec 35 T 19 N., R 3W W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 6445 41st NW, Olympia, Wa.

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

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ]
Method: Dug [ ] Cable [ ] Rotary [X] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 114 feet. Depth of completed well 114 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +18" ft. to 114 ft.
Welded [X] _____ " Diam. from _____ ft. to _____ ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
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 [X]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 18'4" ft. below top of well Date 2-21-90
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 [X] 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 _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 25 gal./min. with stem set at 110 ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Yellow clay	0	13
Yellow clay & gravel, sandy	13	34
Sand and gravel, clay binder	34	49
Hard, packed sand	49	52
Coarse sand and gravel	52	56
Fine sand and gravel	56	60
Hardpan	60	72
Yellow sandy clay, some gravel	72	96
Coarse sand, gravel, clay binder, waterbearing	96	104
Fine sand and gravel, waterbearing	104	112
Gravel and sand, waterbearing	112	114

Work started 2-20-90, 19. Completed 2-21, 19 90

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 Williams and Sons Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 6517 Olympic Hwy., Aberdeen, Wa. 98520

(Signed) Bob Williams (WELL DRILLER) License No. 1716

Contractor's Registration No. WILLISD121QG Date 2-26, 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

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

Start Card No. W089436
UNIQUE WELL I.D. #
Water Right Permit No.

(1) OWNER: Name Madrona Beach Water Co. Address % Ms Ellen Smith / 3114 Madrona Beach NW - 98

(2) LOCATION OF WELL: County Thurston - SW 1/4 NE 1/4 Sec 2 T. 18 N., R. 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Jct. Madrona Bch Rd. / Sexton Dr. - Olympia

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ]
Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 142 feet. Depth of completed well ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8" Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] Threaded [ ] " 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: H.P.

(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
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 Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Sand, silt & gravel Brown	0	6
Clay, sand & gravel (compact)	6	12
Clay, sand & gravel (less compact)	12	76
Sand & clay Brick red	76	93
Clay, gravel & sand (compact) Brown	93	111
Sand & clay red-brown	111	129
Clay & sand Blue-green	129	139
Gravel & sand Brown	139	141
Basalt Black	141	-
- less than 2gpm - Abandoned.		
All casing removed		
Back filled w/clean		
fill to 20' below grade		
Bentonite grade to 20'		

Work Started 11 Jan 98, 19. Completed 29 Jan, 19 9

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Carpenter Drilling Co. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 4210 Shaw Rd Olympia WA 9850
(Signed) [signature] (Well Driller) Driller No. 067

Contractor's Registration No. CARPCDC140B0 Date 15 Feb, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

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

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W089444
UNIQUE WELL I.D.# ABG 518
Water Right Permit No. ~~Cert. #8, page 3072-A~~

(1) OWNER: Name Madrona Beach Water Assoc Address 1st Madrona Beach Rd & Sexton Dr.

(2) LOCATION OF WELL: County Thurston SW 1/4 NE 1/4 Sec. 2 T. 18 N R. 3W WM

(2a) STREET ADDRESS OF WELL: (or nearest address)

TAX PARCEL NO.

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
☒ New Well ☐ Deepened ☐ Reconditioned ☐ Decommission
Method: ☐ Dug ☐ Bored ☐ Cable ☐ Driven ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well 8" inches
Drilled 156 feet. Depth of completed well 93'-0" ft.

(6) CONSTRUCTION DETAILS
Casing Installed: ☒ Welded 8" Diam. from +1.5 ft. to -93 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 bentonite
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'-6" ft. below top of well Date 5 Jan 2000
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? Carpenter
Yield: 30 gal./min. with 3 ft. drawdown after 1.5 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 5 Jan 2000
Bailer test gal./min. with ft. drawdown after hrs.
Airtest 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 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
clay loam & gravel brown	0	3
clay, gravel & sand	3	56
clay, sand & gravel	56	82
clay & sand	82	89
silt, sand & gravel	89	91
silt, clay & sand	91	98
sand, gravel & silt	98	102
sand & silt	102	108
sand, gravel & silt	108	113
clay & sand Red-brown	113	145
clay & sand	145	156
basalt black	156	—

RECEIVED
JAN 26 2000
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 8 Dec. 99 Completed 5 Jan 00

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 Carpenter License No. 67
(Licensed Driller/Engineer)

Trainee Name License No.
Drilling Company Carpenter Drill Co.
(Signed) Carpenter License No. 67
(Licensed Driller/Engineer)
Address 4210 Lemon Rd. Oly
Contractor's Registration No. CARPEDC140LO Date 7 Jan 00

(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.

ECY 060-1-20 (11/98)

Third Copy — Driller's Copy

STATE OF WASHINGTON CERT # 3672 Permit No. 5032

(1) OWNER: Name Madrona Beach Water Assoc. Address RT 14 B. 133 Olympia Wash

(2) LOCATION OF WELL: County Thurston — ~~NW~~ ¼ ~~NE~~ ¼ Sec. 2 T. 18 N., R 3 W W.M.

Bearing and distance from section or subdivision corner SW NE

(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 146' ft. Depth of completed well 146 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 139.8 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used Mills
SIZE of perforations 1/4 in. by 1 in.
12 per foot perforations from 95 ft. to 134 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? 1 ft.
Material used in seal Concrete
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Layne & Bowler
Type: Vert Turbine H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 110' ft. below top of well Date 4-58
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: 45 gal./min. with 35 ft. drawdown after 4 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.
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
Boulders & clay	0	15
Clay-sand & gravel	15	25
clay & sand	25	30
" " " & gravel hard	30	40
clay & gravel "	40	48
sand & clay	48	64
clay & gravel	64	70
clay	70	76
gravel & sand	76	78
clay	78	83
sand & gravel	83	86
" & clay	86	96
hard pan	96	115
sand & gravel	115	117
hard pan	117	120
gravel & sand	120	122
blue clay	122	133
gravel w	133	134
blue clay	134	137
basalt	137	140

Work started Mar 24, 19 59 Completed Ap 17, 19 59

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 Patterson Drilling Co (Person, firm, or corporation) (Type or print)

Address 2513 E 4th Olympia

[Signed] M. B. Patterson (Well Driller)

License No. 223-02-2243 Date 4/14, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

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

58605

WATER WELL REPORT

STATE OF WASHINGTON

S2-0045 • P

Notice of Intent W089444

UNIQUE WELL I.D. # ABG 518

Water Right Permit No ~~Cert. #5, page 3072-A~~

1959

(1) OWNER: Name Madrona Beach Water Assoc Address Jct Madrona Beach Rd & Sexton Dr.

(2) LOCATION OF WELL: County Thurston SW 1/4 NE 1/4 Sec 2 T 18 N.R 3W WM

(2a) STREET ADDRESS OF WELL: (or nearest address)

TAX PARCEL NO. —

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
☑ New Well ☐ Deepened ☐ Reconditioned ☐ Decommission
Method: ☐ Dug ☐ Bored ☐ Cable ☐ Driven ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well 8" inches
Drilled 156 feet Depth of completed well 93'-0" ft.

(6) CONSTRUCTION DETAILS
Casing installed: ☑ Welded 8" Diam from +1.5 ft. to -93 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 bentonite
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'-6" ft below top of well Date 5 Jan 2000
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? Carpenter
Yield 30 gal./min with 3 ft. drawdown after 1.5 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 5 Jan 2000
Bailer test gal./min with ft drawdown after hrs
Airtest 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 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
clay loam & gravel brown	0	3
clay, gravel & sand	3	56
clay, sand & gravel	56	82
clay & sand	82	89
silt, sand & gravel	89	91
silt, clay & sand	91	98
sand, gravel & silt	98	102
sand & silt	102	108
sand, gravel & silt	108	113
clay & sand Red-brown	113	145
clay & sand	145	156
basalt black	156	—

Work Started 8 Dec. 99 Completed 5 Jan 00

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 Carpenter License No 67
(Licensed Driller/Engineer)

Trainee Name License No
Drilling Company Carpenter Drill Co.
(Signed) Carpenter License No 67
(Licensed Driller/Engineer)
Address 4210 S Pine Rd. Olg
Contractor's Registration No Carpedc140bo Date 7 Jan 00

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050-1-20 (11/98)

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Third Copy — Driller's Copy

77752

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W125110
UNIQUE WELL I.D.# AFP 541
Water Right Permit No.

(1) OWNER: Name Ken Trautman Address P.O. Box 391 Rochester, WA 98579

(2) LOCATION OF WELL: County Thurston — NW 1/4 SW 1/4 Sec 35 T 19 N.R. 3 W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3924 Oyster Bay Rd. Olympia, WA 98502

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

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

(5) DIMENSIONS. Diameter of well 6 inches. Drilled 112 feet. Depth of completed well 112 ft.

(6) CONSTRUCTION DETAILS.
Casing installed 6" Diam from +2 ft. to 110 ft.
Welded [X] Diam. from ft. to ft.
Liner installed [ ] Diam from ft. to ft.
Threaded [ ]

Perforations. Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No.
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 85 ft. below top of well Date 11-6-00
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 [X] 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
Bailer test gal./min. with ft. drawdown after hrs.
Airtest 25 gal./min. with stem set at 108 ft. for 1 hrs.
Artesian flow g.p.m. Date 11-6-00
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
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 information.

MATERIAL	FROM	TO
Top Soil	0	1
Clay Brown Soft	1	4
Sandy clay & gravel Light Brown	4	37
Sand & gravel Gray	37	43
Clay Gray	43	91
Sand, gravel - a little clay Gray wb	91	95
Sand & gravel wb	95	112

RECEIVED
NOV 08 2000
Washington State Department of Ecology

Work Started 11-6-00 Completed 11-6-00

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 Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1296 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No. 2253
Contractor's Registration No. MOERKSP072NS Date 11-7-00

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1 20 (9/93)

77752

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77753

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W175109
UNIQUE WELL ID # AFP540
Water Right Permit No.

(1) OWNER: Name Ken Trautman Address P.O. Box 391 Pe Ell, WA 98572

(2) LOCATION OF WELL: County Thurston — NW ¼ SW ¼ Sec 35 T 19 N, R 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3936 Oyster Bay Rd Olympia, WA

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

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

(5) DIMENSIONS. Diameter of well 6 inches
Drilled 99 feet. Depth of completed well 99 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 6" Diam from +2 ft. to 98 ft
Welded [X] " Diam from ft. to ft.
Liner Installed [ ] " Diam from ft. to ft
Threaded [ ]

Perforations. Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 80 ft below top of well Date 11-3-00
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 [X] 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
Bailer test gal./min with ft. drawdown after hrs
Airtest 15 gal./min with stem set at 97 ft. for 1 hrs
Artesian flow g.p.m. Date 11-3-00
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top soil	0	1
Sandy clay Light Brown Soft	1	17
Silty sand & gravel Brown	17	36
Clay Gray Hard	36	79
Sand & gravel with some grey clay	79	87
Sand & gravel wet	87	99

Tax Parcel # 1[illegible]

RECEIVED
NOV 08 2000
Washington State
Department of Ecology

Work Started 11-3-00 Completed 11-3-00

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 Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No 2253
Contractor's Registration No MOERKSPO2ANS Date 11-6-00

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050-1-20 (5/93)

77753

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WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W135 887
UNIQUE WELL I.D. # AGC 725
Water Right Permit No. Lot #5

96402

(1) OWNER: Name Ken Trautman Address P.O. Box 391 Pe Ell, WA 98572

(2) LOCATION OF WELL: County Thurston SE 1/4 SE 1/4 Sec 35 T 19 N, R 3W WM

(2a) STREET ADDRESS OF WELL (or nearest address) 7026 NW 38th Lane Olympia, WA 98502

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

(4) TYPE OF WORK. Owner's number of well (if more than one) 5
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ]
Method Dug [ ] Cable [ ] Rotary [X] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS. Diameter of well 6 inches.
Drilled 119 feet. Depth of completed well 118 ft.

(6) CONSTRUCTION DETAILS
Casing installed 6" Diam from +2 ft. to 118 ft
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] " Diam. from ft. to ft.
Threaded [ ]

Perforations. Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 104 ft below top of well Date 6-5-01
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 [X] 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
Bailer test gal./min with ft. drawdown after hrs.
Airtest 10 gal./min with stem set at 116 ft. for 1 hrs.
Artesian flow g.p.m. Date 6-5-01
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL		FROM	TO
Top Soil		0	1
Silty sand & gravel	Soft	1	25
Sand & gravel	Soft	25	63
Clay-sticky Gray		63	71
Sand & gravel w/b-6 gpm		71	76
Sandy clay some gravel	Soft	76	80
Clay-sticky Gray		80	96
Sandy clay Gray	Soft	96	106
Silty sand & gravel		106	112
Sand & gravel -wb		112	119

RECEIVED
JUN 14 2001
Washington State
Department of Ecology

Work Started 6-5-01 Completed 6-5-01

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 Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No. 2253
Contractor's Registration No. MOERKSPO203NS Date 6-7-01

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050-1-20 (9/93)

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77923

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 125111
UNIQUE WELL I.D. # BFP542
Water Right Permit No.

(1) OWNER: Name Ken Trautman Address P.O. Box 391 Rochell, WA 98572

(2) LOCATION OF WELL: County Thurston NW 1/4 SW 1/4 Sec 35 T 19 N, R 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3912 Oyster Bay Rd. NW Olympia, WA 98502

(3) PROPOSED USE. [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

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

(5) DIMENSIONS. Diameter of well 6 inches
Drilled 119 feet. Depth of completed well 119 ft.

(6) CONSTRUCTION DETAILS
Casing Installed: 6 " Diam from +2 ft. to 118 ft
Welded [ ] " Diam from ft. to ft
Liner Installed [ ] " Diam from ft. to ft
Threaded [ ] " Diam from ft. to ft

Perforations Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 95 ft. below top of well Date 11-7-00
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 [X] 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
Bailer test gal./min. with ft. drawdown after hrs.
Airlift 15 gal./min. with stem set at 116 ft. for 1 hrs.
Artesian flow g.p.m. Date 11-7-00
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top Soil	0	1
Sand & gravel	1	36
Clay & gravel Gray	36	41
Clay Gray Soft	41	56
Clay & gravel Gray	56	61
Clay Gray Soft	61	99
Silty sand & gravel some water	99	105
Sand & gravel wb	105	119

RECEIVED NOV 09 2000 Washington State Department of Ecology

Work Started 11-7-00 Completed 11-7-00

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 Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No. 2253
Contractor's Registration No. MOERKSP023NS Date 11-8-00

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050-1 20 (9/93)

77923

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WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W135871
UNIQUE WELL I.D. # AGC 727
Water Right Permit No.

96404

(1) OWNER: Name Ken Trautman Address P.O Box 391 Rochell, WA 98572

(2) LOCATION OF WELL. County Thurston . SE 1/4 SE 1/4 Sec 35 T. 19 N.R. 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 7042 NW 38th Lane Olympia, WA 98502 (Lot #7)

(3) PROPOSED USE [X] Domestic [ ] Irrigation [ ] DeWater Industrial [ ] Test Well [ ] Municipal [ ] Other [ ]

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

(5) DIMENSIONS Diameter of well 6 inches
Drilled 60 feet. Depth of completed well 58 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam from +2 ft. to 58 ft
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] " Diam. from ft. to ft.
Threaded [ ]

Perforations. Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 26 ft below top of well Date 6-8-01
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
Bailer test gal./min with ft. drawdown after hrs.
Airlift 25 gal./min with stem set at 56 ft. for 1 hrs.
Artesian flow g.p.m. Date 6-8-01
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top soil	0	1
Sand & gravel	1	13
Sand, gravel, clay Light Brown	13	23
Sand & gravel	23	45
Sand & gravel w/b	45	56
Clay Gray Soft	56	58
Sand & gravel w/b	58	60

RECEIVED
JUN 14 2001
Washington State
Department of Ecology

Work Started 6-8-01 Completed 6-8-01

WELL CONSTRUCTOR CERTIFICATION.

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

NAME Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No 2253
Contractor's Registration No MOERKSPO72NS Date 6-12-01

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 96403

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 127810 /
UNIQUE WELL I.D. # AGC 726
Water Right Permit No. /

(1) OWNER: Name Ken Trautman Address P.O. Box 391 Rochell, WA 98572

(2) LOCATION OF WELL: County Thurston . SE 1/4 SE 1/4 Sec 35 T 19 N, R 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 7034 NW 38th Lane Olympia, WA 98502 (Lot #6)

(3) PROPOSED USE. [X] Domestic [ ] Irrigation [ ] De-Water [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

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

(5) DIMENSIONS Diameter of well 6 inches
Drilled 119 feet. Depth of completed well 118 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam from +2 ft. to 118 ft
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] " Diam from ft to ft
Threaded [ ]

Perforations. Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 104 ft below top of well Date 6-4-01
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 [X] 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
Bailer test gal./min. with ft. drawdown after hrs.
Airtest 10 gal./min. with stem set at 116 ft. for 1 hrs.
Artesian flow g.p.m. Date 6-4-01
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top Soil	0	1
Silty Sand & gravel Light brown Soft	1	25
Sand & gravel	25	69
Clay-sticky Gray Soft	69	78
Sand, clay, some gravel wb-1-2gpm	78	84
Clay-Sticky Gray Soft	84	97
Sandy clay Gray Soft	97	105
Sand & gravel - silty Red	105	112
Sand & gravel - wb	112	119

RECEIVED
JUN 14 2001
Washington State
Department of Ecology

Work Started 6-4-01 Completed 6-4-01

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 Moerke & Son's (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Chehalis
(Signed) Chris Jones (WELL DRILLER) License No 2253
Contractor's Registration No MOERKSPO743NS Date 6-6-01

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050-1-20 (9-93) * *)

WATER WELL REPORT

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

Construction/Decommission *("x" in circle)*

(X) Construction

( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number* 103204

CURRENT Notice of Intent No. W157855

Unique Ecology Well ID Tag No. AEA994

Water Right Permit No. _____

Property Owner Name Keith & Patty Barber

Well Street Address 3318 Madrona Beach Rd. N

City Olympia County: Thurston

Location SE 1/4- 1/4 NE 1/4 Sec 2 Twn 18N R 3W EWM or WWM

Lat/Long: (s,t,r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 60304000100

PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

[X] New Well [ ] Reconditioned *Method:* [ ] Dug [ ] Bored [ ] Driven [ ] Deepened [X] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 80 ft.

Depth of completed well 80 ft

CONSTRUCTION DETAILS

Casing Installed: [X] Welded 6" Diam. from +1.5 ft. to 75 ft.

[ ] Liner installed _____" Diam from _____ ft. to _____ ft.

[ ] Threaded _____" Diam. from _____ ft to _____ ft

Perforations: [ ] Yes [X] No

Type of perforator used _____

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

Screens: [X] Yes [ ] No [X] K-Pac Location 72

Manufacturer's Name Johnson

Type slotted Model No. _____

Diam. 5" Slot Size .030 from 75 ft. to 80 ft.

Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [X] No [ ] Size of gravel/sand _____

Materials placed from _____ ft to _____ ft.

Surface Seal: [X] Yes [ ] No To what depth? 22 ft

Materials used in seal Bentonite

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft

Static level 53 ft. below top of well Date 10-8-01

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 [X] 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 10 gal./min. with -0- ft drawdown after 4 hrs

Airtest _____ gal./min with stem set at _____ ft for _____ hrs

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? [ ] Yes [X] 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.)

MATERIAL	FROM	TO
Brown cemented	0	
conglomerate		13
Brown gravel, sand	13	
clay-loose		20
Large Rock	20	22
Brown pack conglomerate	22	
with cobbles		54
Ssnd, gravel & water	54	80

RECEIVED
NOV 06 2001
Washington State
Department of Ecology

Start Date 10-2-01 Completed Date 10-8-01

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.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) Mark H. Nelson

Driller/Engineer/Trainee Signature Mark H. Nelson

Driller or Trainee License No. 1992

If trainee, licensed driller's Signature and License no. _____

Drilling Company Arcadia Drilling Inc.

Address 170 SE Walker Park Road

City, State, Zip Shelton WA 98584

Contractor's Registration No. ARCADDI098K1 Date 10-9-01

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. .....

Permit No. .....

(1) OWNER: Name HARVEY CODURN Address 6937 41 NW OLY WN 98502

(2) LOCATION OF WELL: County THURSTON — SW ¼ SW ¼ Sec. 35 T. 19 N., R. 3 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 104 ft. Depth of completed well 104 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 104 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☒ No ☐
Type of perforator used MILLS
SIZE of perforations 1/4 in. by 1/4 in.
15 perforations from 101 ft. to 103 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 BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? — Depth of strata ...
Method of sealing strata off CMSLD

(7) PUMP: Manufacturer's Name BLACKLEY
Type: SUB. H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 80 ft. below top of well Date JUNE 17, 84
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 ...
Bailer test 15 gal./min. with 8 ft. drawdown after 1 hrs.
Artesian flow ... g.p.m. Date JUNE 17, 84
Temperature of water P 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
SANDY CLAY	0	7
CLAY, SANDY & GRAVEL (FINE)	7	12
SAND & GRAVEL (FINE)	12	27
SAND	27	36
SAND & GRAVEL (FINE)	36	43
SAND CLAY & GRAVEL	43	54
SAND CLAY SEAMS	54	75
CLAY (BLUE)	75	85
CLAY (BLUE)	85	91
CLAY SAND GRAVEL & WATER	91	96
GRAVEL & SAND	96	100
GRAVEL —	100	104

RECEIVED NOV 21 P1:40 SW REGIONAL OFFICE

Work started JUNE 14, 19 84 Completed JUNE 17, 19 84

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 HAROLD F. MYKOL (Person, firm, or corporation) (Type or print)

Address 3318 LILLY RD NE OLY WA 98506

[Signed] Harold F. Mykol (Well Driller)

License No. 0326 Date MAY 10, 1986

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. 216392
Water Right Permit No.

(1) OWNER: Name COBURN HARVEY K Address 6937 418T AVE NW OLYMPIA, WA 98502-

(2) LOCATION OF WELL: County THURSTON - NW 1/4 SW 1/4 Sec 35 T 19 N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) 6937 418T AVE NW OLY.

(3) PROPOSED USE: DOMESTIC

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

(5) DIMENSIONS: Diameter of well 06 inches
Drilled 111 ft. Depth of completed well 111 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 111 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

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: 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? 20 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 JACUZZI BROS.
Type SUBMERSIBLE H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 87.8 ft. below top of well Date 03/23/93
Artesian Pressure lbs. per square inch Date / /
Artesian water controlled by

(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	FROM	TO
TOPSOIL	0	1
SANDY LOAM	1	3
REDDISH BROWN CLAY	3	7
BROWN SILTY SAND	7	14
BROWN CLAY & SAND	14	25
LOOSE BROWN CLAY & GRAVEL	25	53
CLAY WOOD PEA GRAVEL	53	62
CLAY COBBLES PEA GRAVEL	62	65
GREY STICKY CLAY	65	95
GREY CLAY & GRAVEL	95	100
COMPACTED SAND GRAVEL WATER	100	111

Work started 03/23/93 Completed 03/23/93

(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 20 gal/min. w/ stem set at 107 ft. for 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

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] [signature] License No. 2017

Contractor's Registration No. RICHAW*3210B Date 04/29/93

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

Start Card No W125227
UNIQUE WELL I D # AFR 365
Water Right Permit No

94226

(1) OWNER Name Gary Olson Address 3620 Mink St. Olympia, Wa. 98502

(2) LOCATION OF WELL County Thurston SE 1/4 SE 1/4 Sec 35 T 19 N R 3 WM.

(2a) STREET ADDRESS OF WELL (or nearest address) 5 2001 MAY 14 P1:36

(3) PROPOSED USE ☒ Domestic ☐ Irrigation ☐ DeWater Industrial ☐ Municipal ☐ Test Well ☐ Other DEPT OF ECO FISCAL & BU

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

(5) DIMENSIONS Diameter of well 6" inches
Drilled 167 feet. Depth of completed well 168 ft

(6) CONSTRUCTION DETAILS
Casing Installed 6" Diam from +18" ft to 158' 7 ft
Welded ☒ .250 Diam from ft to 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
perforations from ft to ft
perforations from ft to ft

RECEIVED MAY 17 2001 DEPARTMENT OF ECOLOGY WELL DRILLING UNIT

Screens Yes ☒ No ☐
Manufacturer's Name COOK'S
Type 301 SS Model No CONT WIR
Diam 5" Slot size .114 from 163 ft to 158' 7" ft
Diam 5" Slot size .120 from 168 ft to 163 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
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 148' ft below top of well Date 9th May 01
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
Bailer test 10 gal /min with 1" ft drawdown after 2 hrs
Airtest gal /min with stem set at ft for hrs
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
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 information

MATERIAL	FROM	TO
SOIL W GRAVEL LOOSE BROWN		3
SAND + GRAVEL Medium Binder CLAY Yellow		15
SAND + GRAVEL LOOSE BLUE		35
TILL HARD Yellow		85
CLAY + GRAVEL Med Yellow		97
SAND + GRAVEL LOOSE SWL 99' COARSE VARIBLE		103
TILL VERY Hard Yellow FRACTURED H2O LENS		114
TILL VERY Hard BLUE		139
H2O Cemented Sand + Gravel Red Binder IRONSTAIN SWL 129'	139	145
CLAY + ROCKS Hard DRY BROWN	145	149
H2O Sand + Gravel + COBBLES TIGHT COLOR VARIABLE	149	168
TILL Hard BRW	168	?

Work Started 13th April 19 Completed 9th May 19 01

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 Ron Del King (PERSON FIRM OR CORPORATION) (TYPE OR PRINT)
Address W. 4210 Gloquallum Rd. Shelton WA
(Signed) (WELL DRILLER) License No 2405
Contractor's Registration No 108MT Date 5-10-01 19

(USE ADDITIONAL SHEETS IF NECESSARY)

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ECY 050 1 20 (9/93)

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

Start Card No. W097659
UNIQUE WELL I.D. # ABQ 787
Water Right Permit No. _____

(1) OWNER: Name Gary Olson Address 104 East J Shelton WA 98584

(2) LOCATION OF WELL: County Thurston - SE 1/4 SE 1/4 Sec. 35 T. 19 N. R. 3 W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 3620 Mink St., Olympia WA 98502

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

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

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 106' feet. Depth of completed well 107' ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from +18" ft. to 100'-1" ft.
Welded [X] Liner installed [ ] Threaded [ ]
" Diam. from _____ ft. to _____ ft.
" Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
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 [X] No [ ]
Manufacturer's Name WESCO
Type SS Model No. CONT
Diam. 5 Slot size 112 from 107 ft. to 102 ft.
Diam. 5 Slot size 112 from 102 ft. to 100 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
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 76 ft. below top of well Date 9th April 1998
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 _____
Bailer test 25 gal./min. with 1 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Soil Sandy Brn Soft		6
Till Brn		16
Sand+Gravel Loose yellow		2
Till Very Hard! yellow		33
Till Very Hard! Blue		3
Sand+Gravel+Cobbles Loose yellow		8
Clay Sandy Hard yellow		9
H2O Sand+Gravel Brown	98	10
Till Blue	107	?

RECEIVED
APR 27 1998
Water Resources Program
Department of Ecology

Work Started 4th April 19. Completed 9th April 19 9

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 Evergreen Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 4210 Cloquallum Rd. Shelton
(Signed) [signature] (WELL DRILLER) License No. 240
Contractor's Registration No. 108MT Date 4-18-98 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (8/93)

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

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name ELEANOR BARRICK Address 6625 Old Hwy 101 Olympia

(2) LOCATION OF WELL: County THURSTON SW 1/4 NE 1/4 Sec 2 T. 18 N., R. 3W W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Same

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 1

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ]
Method: Dug [ ] Cable [ ] Rotary [X] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 488 feet. Depth of completed well 488 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 6" Diam. from +1 ft. to 112 ft.
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] Threaded [ ] " Diam. from 112 ft. to 488 ft.
OPEN

Perforations: Yes [ ] No [X]
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 [X]
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from 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 BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
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 150 ± 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 [X] 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
Bailer test 1/4 gal./min. with ft. drawdown after hrs.
Airtest 1/4 gal./min. with stem set at 480 ft. for 1 1/2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Soil w/ gravel	0	1
Sand-gravel-	1	4
Compact sand-gravel-clay (tan)	4	17
Grey compact sand w/gravel	17	52
Grey clay w/sand - shot w/gravel	52	62
Compact sand-gravel	62	92
WEATHERED, SOFT BASALT	92	112
BASALT ROCK OVERNITE STATIC = 20' TOTAL	112	280
BASALT ROCK	280	488
NO EVIDENCE OF WATER BEARING FRACTURES - ROCK DENSE 450-488		
(PULLED OFF)		

Work Started 11, 1994 Completed 11, 1994

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 TIMS WELL DRILLING (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 6246 LOBY RD NE Olympia

(Signed) (WELL DRILLER) License No. 832

Contractor's Registration No. TIMSWD131PE Date 11-22, 1994

(USE ADDITIONAL SHEETS IF NECESSARY)

ECL 050-1-20 (2/93)

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

Start Card No. A007510
UNIQUE WELL I.D. #
Water Right Permit No.

(1) OWNER: Name ELEANOR BARRICK Address 6625 OLD HWY 101 Olympia

(2) LOCATION OF WELL: County THURSTON SW 1/4 NE 1/4 Sec 2 T 18 N.R 3W WM

(2a) STREET ADDRESS OF WELL: (or nearest address) 6625 OLD HWY 101 OLYMPIA

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 1
☐ New well ☐ Deepened ☐ Reconditioned
Method: ☐ Dug ☐ Cable ☐ Rotary ☐ Bored ☐ Driven ☐ Jetted

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

(6) CONSTRUCTION DETAILS
Casing installed:
☒ Welded 6" Diam. from +1 ft. to 112 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.
_____ 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
Material used in seal BENTONITE
Did any strata contain unusuable 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 150± 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.
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.
Airtest 14 gal./min. with stem set at 480 ft. for 1½ hrs.
Artesian flow _____ g.p.m. Date
Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

(10) WELL LOG or ABANDONMENT 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.

MATERIAL	FROM	TO
ABANDONED FEB. 1995 —		
WELL WAS GROUTED W/ NEAT		
CEMENT SLURRY WITH GROUT		
PUMP.		
(REPRINT FROM RECORDS)		

RECEIVED
NOV 29 1999
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 2-25, 1995 Completed 2-26, 1995

WELL CONSTRUCTION CERTIFICATION:

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

NAME TIMS WELL DRILLING
(Person, Firm, or Corporation) (Type or Print)
Address PO BOX 436 EAST OLYMPIA
(Signed) [signature] License No. 832
Contractor's Registration No. TIMSWD131PE Date 11-28 (REPRINT)

(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.

ECY 050-1-20 (7/97)

WASHINGTON STATE DEPARTMENT OF ECOLOGY

RECEIVED MAY 1 5 2002 DEPARTMENT OF ECOLOGY WELL DRILLING UNIT

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:
Use this form only if an original water well report was NEVER filed or is MISSING from Ecology records. Your well must be properly tagged prior to submitting this form. Please fill in all blanks as completely as possible. If information is not known, leave blank. After completing, mail the original form to: Wa State Dept of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

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

DIMENSIONS: Diameter of well 7 inches. Depth of completed well 220 ft if known

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
TYPE: ☐ PVC ☒ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations: ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in by ____ in and no of perfs ____ from ____ ft to ____ ft

Screens: ☐ Yes ☐ No ☒ Unknown Mfr's Name ____
TYPE: ☐ Stainless Steel ☐ PVC ☐ Other
Diam ____ Slot Size ____ from ____ ft to ____ ft

Gravel/Filter packed: ☐ Yes ☐ No ☒ Unknown
Materials placed from ____ ft to ____ ft

Surface Seal: ☒ Yes ☐ No ☐ Unknown If known, to what depth ____ ft
Materials used if known ☐ Bentonite ☒ Cement

PUMP: ☒ Yes ☐ No Mfr's Name FRANKLIN
Type ____ HP 1

WATER LEVELS: Land-surface elevation above mean sea level 170 ft
Static level 50 ft below top of casing Date measured ____
Artesian pressure ____ lbs per square inch Date measured ____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☒ Yes ☐ No

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, attach copy ☒ Unknown
Yield 5 gal /min with ____ ft drawdown after ____ hrs

Unique Ecology Well ID Tag No. ____
Water Right? If yes, attach copy ○ Yes ○ No
Property Owner Name DOUGLAS MOSHER
Well Street Address 6925 WHITTAKER RD
City OLYMPIA County: THURSTON
Tax Parcel No. 13802240300

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county asessor's office

Sec 2 Twn 18N R 3W EWM or (WWM) *circle one*

D	C	(B)	A
E	F	G	H
M	L	K	J
N	P	Q	R

This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Lattitude/Longitude **NOTE: Section, Township, Range still REQUIRED**
Lat Deg ____ Lat Min/Sec ____
Long Deg ____ Long Min/Sec ____
☐ GPS ☐ Survey
☐ Topographic Map ☐ Computer Generated

Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☒ Property Owner ☐ Other
Name DOUGLAS W MOSHER JR
Signature [signature]
Driller License No. ____
Date Signed MAY 12, 2002

Drilling Company ____
Address of person completing this form: 6925 WHITTAKER RD N.W.
City, State, Zip OLYMPIA WA 98502

Original - Ecology

Ecology is an Equal Opportunity Employer.

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

Permit No. G224881P

(1) OWNER: Name Don Palmer Address 3432 Madrona Beach Rd NW Olympia

(2) LOCATION OF WELL: County Thurston — E ½ NE ¼ Sec. 2 T. 18N. R. 3W W.M.

Bearing and distance from section or subdivision corner 930' S & 100' W. from the NE corner of Sec 2

(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 ☒ Deepened ☐ Reconditioned ☐

Method: Dug ☐ Bored ☐ Cable ☒ Driven ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 105 ft. Depth of completed well 104-3/4

(6) CONSTRUCTION DETAILS:

Casing installed: ___" Diam. from ___ ft. to ___ ft.
Threaded ☐ ___" Diam. from ___ ft. to ___ ft.
Welded ☒ 6" Diam. from 0 ft. to 100 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 Johnson
Type ___ Model No. ___
Diam. 6" Slot size 20 from 100 ft. to 104 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 Bentonite
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 58' ft. below top of well Date 3-7-79
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 ☐ 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
Bailer test 20 gal./min. with 15 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
Gravel Sand Clay - Brown	0	24
Clay Sand Gravel Green	24	27
Clay Sand Gravel Compact Brn	37	41
Sand Gravel Clay - Seepage	41	45
Clay Gravel Sand Compact	45	53
Sand Gravel Clay Seepage	53	53
Clay Gravel Sand	63	69
Sand Gravel Clay water active	69	78
Clay Sand Gravel	78	83
Sand Gravel Clay water active	83	91
Sand Gravel water	91	—

RECEIVED
SEP 25 1979
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

Work started 3-1 1979 Completed 3-7 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 Carpenter Drilling Co. (Person, firm, or corporation) (Type or print)

Address 2032 S. Bay Rd. Olympia

[Signed] Ron West (Well Driller)

License No. 0994 Date 9-21

(USE ADDITIONAL SHEETS IF NECESSARY)

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

Start Card No. 061 850

Water Right Permit No. _____

(1) OWNER: Name D. DeSilva Address Madrona Beach Rd

(2) LOCATION OF WELL: County Thurston SE ¼ NE ¼ Sec 2 T 18 N., R 3 W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160 feet. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +16" ft. to 155 ft.
Welded ☑ " Diam. from ft. to ft.
Liner installed ☐
Threaded ☐ " 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 Cook
Type SS Model No. _____
Diam. TEL Slot size 12 from 155 ft. to 160 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 Granular Bentonite
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 130' ft. below top of well Date 5-10-90
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.
" " " "
" " " "

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.
Airtest 25+ gal./min. with stem set at 155 ft. for 2 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Top Soil	0	1
Gr San Clay	1	10
" "	10	20
Cem Gr	20	80
Clay San Gr.	80	150
San Gr	150	160

Work started 5-10-, 19 90 Completed 5-10-, 19 90

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 Patterson/Russell Drilling Co. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address P.O. Box 433 Shelton WA
(Signed) Bill Russell (WELL DRILLER) License No. 0444
Contractor's Registration No. PATRUC110K1 Date 5-10-, 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

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

RICK BB PER

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name CAPITAL COUNTRY HOMES Address 2940 Madrona Beach, OLYMPIA

(2) LOCATION OF WELL: County THURSTON — SE ¼ NE ¼ Sec. 2 T. 18 N., R. 3W 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 87 ft. Depth of completed well 86 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 5/8" Diam. from 0 ft. to 81 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 JOHNSON
Type ..... Model No. .....
Diam. 6 Slot size 35 from 81 ft. to 86 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 BENTONITE
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 50 ft. below top of well Date 5-24-88
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 .....
Bailer test 40 gal./min. with 4 ft. drawdown after 1 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
CLAY + ROCKS SANDY	0	16
GRAVEL SAND + CLAY	16	65
COARSE SAND (WATER BEARING	65	87

RECEIVED
88 MAY -1 P 1:05
WATER RIGHTS
SW REGIONAL OFFICE

KING BROS DRILLING, INC.
106 E. MAGNOLIA
CENTRALIA, WA 98531
(206) 736-7220
#KINGBDI 124DC

Work started 5-13, 19 88 Completed 5-23, 19 88

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 King Bros Drilling Inc
(Person, firm, or corporation) (Type or print)

Address 106 E Magnolia Cent. Wa. 9

[Signed] Edwin C King
(Well Driller)

License No. 0243 Date 5-25, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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

Start Card No. 064852

Water Right Permit No. 1045 S Bay Rd

(1) OWNER: Name Cap Dev & Investment Address ~~Steamboat Island Rd~~ Olympia 98

(2) LOCATION OF WELL: County Thurston NE ¼ SE ¼ Sec 35 T. 19N., R. 3 W W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Steamboat Island Loop Rd - Olympia 98502

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 146 feet. Depth of completed well 140 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +1 ft. to 137 ft.
Welded [X] " Diam. from ft. to ft.
Liner installed [ ] " Diam. from ft. to ft.
Threaded [ ]

Perforations: Yes [ ] No [X]
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 [X] No [ ]
Manufacturer's Name Wesco
Type Stainless Model No.
Diam. 5 7/8 Slot size 15 from 137 ft. to 140 ft.
Diam. Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Goulds
Type: Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 95'-6" ft. below top of well Date 6-27-92
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?
Yield: 15 gal./min. with 18'-1" ft. drawdown after 1 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 6-27-92
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 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Gravel & Sandy loam loose - lt. brown	0	16
Gravel & Sand & clay compact lt. brown	16	48
Sand & clay compact lt. brown	48	52
Clay & gravel - compact lt. brown	52	92
Clay & Sand-gravel compact grey	92	128
Gravel & Sand & clay seepage grey	128	136
Sand & gravel - active grey	136	139
Clay grey	139	143
Clay & Sand - seepage grey	143	-

Work started 6-17-92, 19. Completed 6-27, 19 92

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 Carpenter Drilling Co. Larry D. Carpenter (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 4210 Stincte Rd. - Olympia

(Signed) Larry D. Carpenter (WELL DRILLER) License No. 067

Contractor's Registration No. CARPEDC140BO Date 7-2-92, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) 1329

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

Water Right Permit No. _____

(1) OWNER: Name Bill Crabtree / Capital Develop. Steamboat Island Loop Olympia WA 98506

(2) LOCATION OF WELL: County Thurston — NE ¼ SE ¼ Sec. 35 T. 19 N., R. 3 W.M.

(2a) STREET ADDRESS (or well location if different from owner address) 1045 S Bay Rd. Olympia WA 98506

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 123 feet. Depth of completed well 122'-9¼" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from +1-6 ft. to 118 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.
Perforations: Yes [ ] No [X]
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 [X] No [ ]
Manufacturer's Name Wesco
Type stainless Model No.
Diam. 5 7/8 Slot size 15 from 118' ft. to 122'-9¼" ft.
Diam. Slot size from 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Goulds
Type: submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 96'-4" ft. below top of well Date 6-5-92
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? ok
Yield: 20 gal./min. with 0 ft. drawdown after 1 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 6-5-92
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 _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Sandy loam & gravel yellow brown	0	4
Sandy loam & gravel compact yellow brown	4	38
Clay & sand compact lt. brown	38	56
Clay & gravel hard pan lt. brown	56	85
Clay & sand compact lt. brown	85	88
Gravel & clay compact seepage lt. brown	88	103
Clay & sand seepage lt. brown	103	112
Clay dark green	112	116
Sand & gravel brown	116	123

Work started 5-26-92, 19. Completed 6-6-92, 19.

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 Carpenter Drilling Company (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 4210 Shincle Rd. - Olympia
(Signature) Larry R. Carpenter (WELL DRILLER) License No. 067
Contractor's Registration No. CARPEDCH030 Date 6-8, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329

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

Water Right Permit No. _____

(1) OWNER: Name Bill Crabtree - Capital Devel. (well) Address 41 st. Ave. NW - Olympia WA 98502

(2) LOCATION OF WELL: County Thurston NE ¼ SE ¼ Sec. 35 T. 19 N., R. 3W W.M.

(2a) ~~STREET~~ ADDDRESS ~~OF WELL (or nearest address)~~ 1045 S. Bay Rd. NE - Olympia WA 98506

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 104 feet. Depth of completed well 102'-9¼" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from +1 ft. to 98 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ____ ft. to ____ ft.

Perforations: Yes [ ] No [X]
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 [X] No [ ]
Manufacturer's Name Wesco
Type Stainless Model No. _____
Diam. 5 7/8 Slot size 15 from 98 ft. to 102-9¼ ft.
Diam. _____ Slot size _____ from _____ 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 Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Goulds
Type: Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 86-11 ft. below top of well Date 5-26-92
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? CDC
Yield: 10 gal./min. with 0 ft. drawdown after 1 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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Sandy loam & gravel compact lt. brown	0	47
Gravel & clay hardpan lt. brown	47	63
Sand & clay compact lt. brown	63	84
Gravel & clay hardpan lt. brown	84	94
Gravel & clay hardpan seepage - lt. brown	94	97
Sand & gravel - active - lt. brown	97	~~102~~
Clay yellow-brown	103	105

Work started 5-19-92 19. Completed 5-26 19 9

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 Carpenter Drilling Company (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 4210 Shincke Rd. - Olympia
(Signed) Jerry R Carpenter (WELL DRILLER) License No. 067
Contractor's Registration No. CARPEDC140B0 Date 6-8 19 9

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

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

WATER WELL REPOPT

STATE OF WASHINGTON

Start Card No. 054

Water Right Permit No. _____

(1) OWNER: Name Lyle Renecker Address SE. 1020 Partridge Rd. Oly. Wash

(2) LOCATION OF WELL: County Mason SW ¼ SW ¼ Sec 35 T 19 N., R 3 W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Same

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

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

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

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +1 ft. to 27 ft.
Welded ☑ " Diam. from _____ ft. to _____ ft.
Liner installed ☐ Threaded ☐ " 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 Bentonite Neat Cement
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Red Jacket
Type: Sub. H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 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? _____
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 6 gal./min. with 125 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
Rocky Sand w/organics	0	4'
Brown Rocky Clay	4'	7'
Brown Hardpan	7'	19'
Basalt	19'	22'
Chlorite Schist	22'	26'
Basalt	26'	42'
Pegmatite - H2O	42'	47'
Basalt	47'	126'
Pegmatite - H2O	126'	133'
Basalt	133'	134'

RECEIVED '88 JUN 27 A11:27 WATER RIGHTS SECTION

Work started 6-9-88, 19. Completed 6-17-88, 19.

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 Arcadia Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 170. SE. Walker Pk. Rd.
(Signed) [signature] (WELL DRILLER) License No. 1465
Contractor's Registration No. ARCADA*147K1 Date 6-22-88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

Ecology — Bellingham County — STATE OF WASHINGTON — Permit No: _____

(1) OWNER: Name [illegible] Address [illegible]

(2) LOCATION OF WELL: County [illegible] ¼ ¼ Sec. T. N. R. E 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 ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Bored ☐ Cable ☐ Driven ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 146 ft. Depth of completed well 146 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 in. Diam. from 0 ft. to 139.5 ft.
Threaded ☐ Diam. from ____ ft. to ____ ft.
Welded ☒ Diam. from ____ ft. to ____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used: Mills
SIZE of perforations 1/4 in. by 1 in.
perforations from 0 ft. to 144 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? 7 ft.
Material used in seal: Portland
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name Layne & Bowler
Type: Vert. Turbine HP 2

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level 110 ft. below top of well Date 4-[illegible]
Artesian pressure ____ lbs. per square inch Date ____
Arteseian 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? ____
[illegible] gal./min with 35 ft drawdown after 1 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.
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
Rotten clay	0	1
Clay-sand & gravel	1	2
Clay & sand	2	30
[illegible]	30	40
Clay & gravel	40	48
Sand & clay	48	64
Clay & gravel	64	70
Clay	70	75
Gravel & sand	75	78
Clay	78	83
Sand & gravel	83	86
Clay	86	96
Hard pack	96	110
Sand & gravel	110	117
Hard pack	117	120
Gravel & sand	120	122
Hard clay	122	132
Gravel	132	134
Blue clay	134	137
Gravel	137	146

Work started May 24, 19____ Completed August, 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 Patterson Drilling Co. (Person, firm, or corporation) (Type or print)

Address [illegible]

[Signed] [illegible] (Well Driller)

License No. 223-05-2243 Date [illegible] 19 71

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-7156 (Rev. 5-69) 5-69

APPROVED

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

Start Card No. 024679

Water Right Permit No. _____

(1) OWNER: Name MORRIS Address 6545 41 ST NW OLY WA

(2) LOCATION OF WELL: County THURSTON NW ¼ SE ¼ Sec. 35 T. 19 N., R. 3W W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

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

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

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

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 100 ft.
Welded [X] Liner installed [ ] Threaded [ ]
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
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 [X] No [ ]
Manufacturer's Name MUSTANG
Type STAINLESS STEEL Model No. _____
Diam. 6 Slot size .012 from 100 ft. to 105 ft.
Diam. _____ Slot size _____ from _____ 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 BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? — Depth of strata _____
Method of sealing strata off CASED

(7) PUMP: Manufacturer's Name GOULDS
Type: SUB H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 85 ft. below top of well Date OCT 12 89
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 _____
Bailer test 30 gal./min. with 1 ft. drawdown after 1 hrs.
Airtest — gal./min. with stem set at — ft. for _____ hrs.
Artesian flow — g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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 information.

MATERIAL	FROM	TO
SAND & CLAY	0	15
GRAVEL COMPACT	15	20
GRAVEL CEMENTED	20	45
SAND —	45	81
CLAY (BLUE)	81	93
GRAVEL & SEEPAGE	93	94
GRAVEL CEMENTED	94	98
GRAVEL SAND & WATER	98	105

RECEIVED 89 DEC 15 AM 8:48 WATER RIGHTS

Work started OCT 9, 89, 19. Completed OCT 12, 1989

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 HAROLD F. MYKOL (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3318 LOLLY RD NE OLY WA 9850

(Signed) H. Mykol (WELL DRILLER) License No. 0326

Contractor's Registration No. MYKOLHF136PM Date NOV 16, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 060-1-20 (10/87) -1329- 3

RESOURCE PROTECTION WELL REPORT

START CARD NO. R036172 DECOMMISSION NO. A46709

PROJECT NAME: OLYMPIA
WELL IDENTIFICATION NO. SP-4
DRILLING METHOD: Direct Push
DRILLER: Karis Vandehey
FIRM: TEG Northwest, Inc.
SIGNATURE:
CONSULTING FIRM: STEMEN ENVIRONMENTAL
REPRESENTATIVE: PAUL STEMEN

COUNTY: THURSTON
LOCATION: SE ¼ NW ¼ Sec 2 Twn 18N R3W
STREET ADDRESS OF WELL: 6610 SEXTON RD NW, OLY
WATER LEVEL ELEVATION: NA
GROUND SURFACE ELEVATION: Not Applicable
INSTALLED: 7/19/99
DEVELOPED: NA

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
NO WELL CONSTRUCTED	SOIL SAMPLED 0'-7' BACKFILLED 2" HOLE W/#8 WYO-BEN BENTONITE	BROWN SANDY GRAVEL

5'
10'
15'
20'

SCALE: 1" = 5"

PAGE 4 OF 6

RESOURCE PROTECTION WELL REPORT

START CARD NO. R036172 DECOMMISSION NO. A46709

PROJECT NAME: OLYMPIA
WELL IDENTIFICATION NO. SP-5
DRILLING METHOD: Direct Push
DRILLER: Karis Vandehey
FIRM: TEG Northwest, Inc.
SIGNATURE:
CONSULTING FIRM: STEMEN ENVIRONMENTAL
REPRESENTATIVE: PAUL STEMEN

COUNTY: THURSTON
LOCATION: SE ¼ NW ¼ Sec 2 Twn 18N R3W
STREET ADDRESS OF WELL: 6610 SEXTON RD NW, OLY
WATER LEVEL ELEVATION: NA
GROUND SURFACE ELEVATION: Not Applicable
INSTALLED: 7/19/99
DEVELOPED: NA

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
NO WELL CONSTRUCTED	SOIL SAMPLED 0'-13' BACKFILLED 2" HOLE W/#8 WYO-BEN BENTONITE	BROWN SANDY GRAVEL

5'
10'
15'
20'

SCALE: 1" = 5"

PAGE 5 OF 6

RESOURCE PROTECTION WELL REPORT

START CARD NO. R036172 DECOMMISSION NO. A46709

PROJECT NAME: OLYMPIA
WELL IDENTIFICATION NO. SP-6
DRILLING METHOD: Direct Push
DRILLER: Karis Vandehey
FIRM: TEG Northwest, Inc.
SIGNATURE:
CONSULTING FIRM: STEMEN ENVIRONMENTAL
REPRESENTATIVE: PAUL STEMEN

COUNTY: THURSTON
LOCATION: SE ¼ NW ¼ Sec 2 Twn 18N R3W
STREET ADDRESS OF WELL: 6610 SEXTON RD NW, OLY
WATER LEVEL ELEVATION: NA
GROUND SURFACE ELEVATION: Not Applicable
INSTALLED: 7/19/99
DEVELOPED: NA

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
NO WELL CONSTRUCTED	SOIL SAMPLED 0'-13' BACKFILLED 2" HOLE W/#8 WYO-BEN BENTONITE	BROWN SANDY GRAVEL

5'
10'
15'
20'

SCALE: 1" = 5"

PAGE 6 OF 6

W A T E R W E L L R E P O

STATE OF WASHINGTON

Start Card No. A12639
Unique Well I.D. # A12639
Water Right Permit No.

(1) OWNER: Name SCARSELA BROS./R. LACY Address PO BOX 68388 SEATTLE, WA 98188-

(2) LOCATION OF WELL: County THURSTON - SW 1/4 NE 1/4 Sec 2 T 18N N., R 3W WM

(2a) STREET ADDRESS OF WELL (or nearest address) STEAMBOAT INTERCHANGE, OLYMPIA

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)

ABANDONED Method: ROTARY

(5) DIMENSIONS: Diameter of well 4 inches

Drilled ft. Depth of completed well 50 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 4 " Dia. from ft. to ft.

WELDED CASING " Dia. from ft. to ft.

" Dia. from ft. to ft.

Perforations: YES

Type of perforator used AIR PERFORATOR

SIZE of perforations 1/4" in. by 3" in.

perforations from -10 ft. to 50 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: NO To what depth? ft.

Material used in seal

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 ft. below top of well Date 05/06/95

Artesian Pressure lbs. per square inch Date

Artesian water controlled by

(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	FROM	TO
8 bags of Hole Plug		
Cut-off 5' below elevation		

RECEIVED '95 MAY 16 A9:02

Work started 05/06/95 Completed 05/06/95

(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 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 ARCADIA DRILLING INC.

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

ADDRESS SE 170 WALKER PARK RD

[SIGNED] License No. 2053

Contractor's Registration No. ARCADDIO98K1 Date 05/12/95

well #5

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. A12640
Unique Well I.D. # A12640
Water Right Permit No.

(1) OWNER: Name SCARSELA BROS./R. LACY Address PO BOX 68388 SEATTLE, WA 98188-

(2) LOCATION OF WELL: County THURSTON - SW 1/4 NE 1/4 Sec 2 T 18N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) STEAMBOAT INTERCHANGE, OLYMPIA

(3) PROPOSED USE: DOMESTIC

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

(5) DIMENSIONS: Diameter of well 6 inches
Drilled ft. Depth of completed well 125 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from ft. to ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: YES
Type of perforator used AIR PERFORATOR
SIZE of perforations 1/4" in. by 3" in.
perforations from -10 ft. to 125 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: NO To what depth? ft.
Material used in seal
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 ft. below top of well Date 05/06/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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 gal/min. w/ stem set at ft. for 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	FROM	TO
24 bags of Hole Plug		
Cut-off 5' below elevation		

RECEIVED
'95 MAY 16 A9:02
S.W. Regional Office

Work started 05/06/95 Completed 05/06/95

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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS SE 170 WALKER PARK RD

[SIGNED] Clayton P. Hutlin License No. 2286

Contractor's Registration No. ARCADDIO98K1 Date 05/12/95

WELL #9

WATER WELL REPO

STATE OF WASHINGTON

Start Card No. A12642
Unique Well I.D. # A12642
Water Right Permit No.

(1) OWNER: Name SCARSELA BROS./R. LACY Address PO BOX 68388 SEATTLE, WA 98188-

(2) LOCATION OF WELL: County THURSTON - SW 1/4 NE 1/4 Sec 2 T 18N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) STEAMBOAT INTERCHANGE, OLYMPIA

(3) PROPOSED USE: DOMESTIC

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

(5) DIMENSIONS: Diameter of well 6 inches
Drilled ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from ft. to ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: YES
Type of perforator used AIR PERFORATOR
SIZE of perforations 1/4" in. by 3" in.
perforations from ft. to 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: NO To what depth? ft.
Material used in seal
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 ft. below top of well Date 05/06/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
44 bags of Hole Plug		

RECEIVED
95 MAY 16 A9:03
SW REGIONAL OFFICE

Work started 05/06/95 Completed 05/06/95

(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 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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS SE 170 WALKER PARK RD

[SIGNED] License No. 2053

Contractor's Registration No. ARCADDIO98K1 Date 05/12/95

well #4

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. A12641
Unique Well I.D. # A12641
Water Right Permit No.

(1) OWNER: Name SCARSELA BROS./R. LACY Address PO BOX 68388 SEATTLE, WA 98188-

(2) LOCATION OF WELL: County THURSTON - SW 1/4 NE 1/4 Sec 2 T 18N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) STEAMBOAT INTERCHANGE, OLYMPIA

(3) PROPOSED USE: DOMESTIC

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

(5) DIMENSIONS: Diameter of well 6 inches
Drilled ft. Depth of completed well 30 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from ft. to ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: YES
Type of perforator used AIR PERFORATOR
SIZE of perforations 1/4" in. by 3" in.
perforations from -10 ft. to 30 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: NO To what depth? ft.
Material used in seal
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 ft. below top of well Date 05/06/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
9 bags of Hole Plug		
Cut-off 5' below elevation		

RECEIVED
'95 MAY 16 A9:03
SW REGIONAL OFFICE

Work started 05/06/95 Completed 05/06/95

(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 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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS SE 170 WALKER PARK RD

[SIGNED] License No. 2053

Contractor's Registration No. ARCADDIO98K1 Date 05/12/95

Well #1

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. A12638
Unique Well I.D. # A12638
Water Right Permit No.

(1) OWNER: Name SCARSELA BROS./R. LACY Address PO BOX 68388 SEATTLE, WA 98188-

(2) LOCATION OF WELL: County THURSTON - SW 1/4 NE 1/4 Sec 2 T 18N N., R 3W WM
(2a) STREET ADDRESS OF WELL (or nearest address) STEAMBOAT INTERCHANGE, OLYMPIA

(3) PROPOSED USE: DOMESTIC

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

(5) DIMENSIONS: Diameter of well 6 inches
Drilled ft. Depth of completed well 350 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from ft. to ft.
WELDED CASING " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: YES
Type of perforator used AIR PERFORATOR
SIZE of perforations 1/4" in. by 3" in.
perforations from -20 ft. to 350 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: NO To what depth? ft.
Material used in seal
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 ft. below top of well Date 05/06/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(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	FROM	TO
675 Gal. puddled clay		
7 bags of Hole Plug		
Cut-off 15' below elevation		

RECEIVED
'95 MAY 16 A9:02
S.W. Regional Office

Work started 05/06/95 Completed 05/06/95

(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 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 ARCADIA DRILLING INC.
(Person, firm, or corporation) (Type or print)

ADDRESS SE 170 WALKER PARK RD

[SIGNED] Clayton D. Smithie License No. 2286

Contractor's Registration No. ARCADDIO98K1 Date 05/12/95

RESOURCE PROTECTION WELL REPORT

START CARD NO. 06690

PROJECT NAME: Steamboat Island I/C / SB Line Bridge COUNTY: Thurston

WELL IDENTIFICATION NO. H-1-92

LOCATION: NE ¼ NW ¼ Sec 2 Twn 18N R 3W

DRILLING METHOD: Hollow Stem Auger

STREET ADDRESS OF WELL: SR 101 Steamboat Island I/C

DRILLER: Curry

FIRM: WSDOT

WATER LEVEL ELEVATION:

SIGNATURE:

GROUND SURFACE ELEVATION: 158.0'

CONSULTING FIRM: WSDOT

INSTALLED: NA

REPRESENTATIVE:

DEVELOPED: Enviro Plug

AS-BUILT	WELL DATA	FORMATION DESCRIPTION	
	Hole Backfilled 63.5 to 0' with Enviro Hole plug.	Dense Brown, Moist Gravelly Sandy Silt Fine to Coarse.	0
		Very Dense, wet Silty Fine to Coarse Sand, Gravel + Cobbles	30'
		very dense Slightly Silty Fine to Coarse Gravelly Sand with Silt Lenses Horizonal bedding.	50'
			63.5

SCALE: 1" = _____

PAGE 1 OF 1

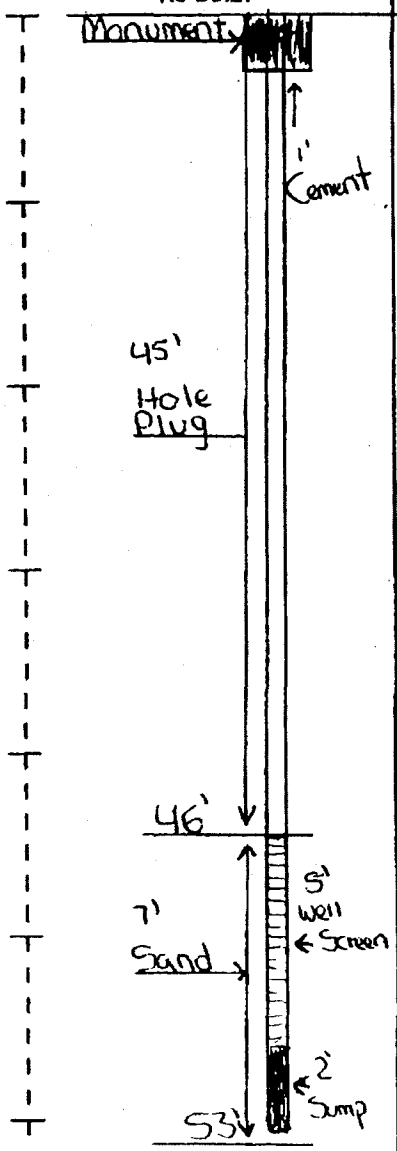
ECY 050-12 (Rev. 11/89)

RESOURCE PROTECTION WELL REPORT

START CARD NO. 066940

PROJECT NAME: Steamboat Island I/C / SR Line Br.
WELL IDENTIFICATION NO. ~~DC-2-92~~ H-4-92
DRILLING METHOD: Hollow STEM Auger
DRILLER: Curry
FIRM: WSDOT
SIGNATURE:
CONSULTING FIRM: WSDOT
REPRESENTATIVE:

COUNTY: Thurston
LOCATION: NE ¼ NW ¼ Sec 2 Twn 18N R 3W
STREET ADDRESS OF WELL: SR 101 Steamboat Island I/C.
WATER LEVEL ELEVATION:
GROUND SURFACE ELEVATION:
INSTALLED: Piezometer
DEVELOPED:

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
		Loose, brown, moist, Sandy, Gravelly Silt with bits of Organic material. Very dense brownish gray, slightly moist, Silty fine to Coarse Sand, Gravel & Cobbles Very dense, brown, moist, Silty fine Sand with Scattered Sandy Silt. Lenses, horizonal bedding.

0
20
40
53

SCALE: 1" = _____

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

RESOURCE PROTECTION WELL REPORT

START CARD NO. 066940

PROJECT NAME: Steamboat Island ½/SB Line Bridge COUNTY: Thurston

WELL IDENTIFICATION NO. H-2-92

LOCATION: NE¼ NW¼ Sec 2 Twn 18N R 3W

DRILLING METHOD: Hollow Stem Augers

STREET ADDRESS OF WELL: SR 101 Steamboat Island ½

DRILLER: Curry

FIRM: WSDOT

WATER LEVEL ELEVATION:

SIGNATURE:

GROUND SURFACE ELEVATION: 159.0'

CONSULTING FIRM: WSDOT

INSTALLED: NA

REPRESENTATIVE:

DEVELOPED: Enviro Plug

AS-BUILT	WELL DATA	FORMATION DESCRIPTION	
	Hole Backfilled with Enviro Hole Plug 58' to 0'	Medium dense, brown, wet, Sandy gravelly Silt fine to Coarse	0'
		Dense, brown wet, Silty fine to Coarse Sand, gravel, and Cobbles	10'
		Very dense, brown, Slightly moist, Silty fine Sand horizonal bedding.	45'
			58'c

SCALE: 1" = _____

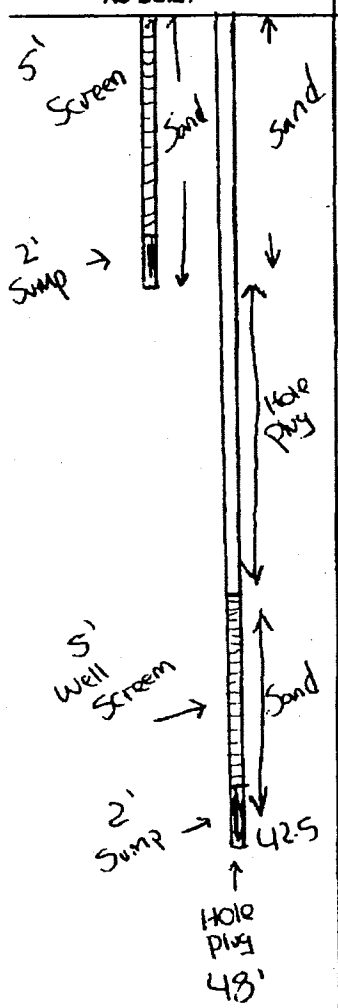
PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

RESOURCE PROTECTION WELL REPORT

START CARD NO. 066940

PROJECT NAME: Steamboat Island 1/2 / Sisline Bridge
COUNTY: Thurston
WELL IDENTIFICATION NO. H-3-92
LOCATION: NE ¼ NW ¼ Sec 2 Twn 18N R 3W
DRILLING METHOD: HC Stem Auger
STREET ADDRESS OF WELL: SR 101 Steamboat Island 1/2
DRILLER: Curry
FIRM: WSDOT
WATER LEVEL ELEVATION:
SIGNATURE:
GROUND SURFACE ELEVATION:
CONSULTING FIRM: WSDOT
INSTALLED: Two Piezometers
REPRESENTATIVE:
DEVELOPED: Sand + Hole Plug

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
		0 Loose brown, wet, Sandy, gravelly Silt with Bits of wood.
		5 Very loose black Brown, wet Silty Sand, gravel + Cobbles.
		10 Medium dense, black, brown wet, silty fine to Coarse Sand, gravel + Cobbles Horizonal Bedding Brown Black Layers.
		48

SCALE: 1" = _____

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)