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</table>
**WATER WELL REPORT**

**STATE OF WASHINGTON**

**UNIQUE WELL ID.**

---

**1. OWNER:**
- **Name:** Bill Logan
- **Address:** 285 S.W. 4th St., Chehalis, WA.

**2. LOCATION OF WELL:**
- **County:** Lewis
- **Township:** NE 1/4 SE 1/4 Sec. 19 T. 13 N. R. 3 E WM.

**3. STREET ADDRESS OF WELL:**
- **Address:** 788 Burnt Ridge Rd., Onalaska, WA.

**4. PROPOSED USE:**
- **Domestic**
- **Irrigation**
- **Industrial**
- **Municipal**
- **DeWater**

**5. TYPE OF WORK:**
- **Owner's number of well**
- **Method of Drilling:**
  - **Cable**
  - **Rotary**
- **Reconditioned**
- **New well**

**6. DIMENSIONS:**
- **Diameter of well:** 6 inches
- **Depth of completed well:** 817 ft.

**7. CONSTRUCTION DETAILS:**
- **Casing Installed:**
  - **Dia. from:** 2 ft. to 817 ft.
- **Gravel packed:**
  - **Dia. from:** 2 ft. to 817 ft.
  - **Size of gravel:**
- **Surface seal:**
  - **Material used in seal:** Bentonite
- **Material used in seal:**

**8. WATER LEVELS:**
- **Type:**
  - **H.P.:**
  - **Above mean sea level:**
  - **Steady level:** 225 ft. below top of well
  - **Artesian pressure:**
  - **Artesian water is controlled by:**

**9. WELL TESTS:**
- **Drawdown is amount water level is lowered below steady level**
- **Was a pump test made:**
  - **Yes**
  - **No**
  - **If yes, by whom:**

**10. WELL LOG OR ABANDONMENT PROCEDURE DESCRIPTION:**

**Formation:**
- **Describes by color, character, size of material and structure, and shows thickness of strata and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.**

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<thead>
<tr>
<th>MATERIAL</th>
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<tr>
<td>Sandy clay</td>
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<tr>
<td>Clay</td>
<td>3-5</td>
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<td>Clay</td>
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**WELL CONSTRUCTOR CERTIFICATION:**

I, [Name], have 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:** Moerkoppenda's

**Address:** 1286 NW Maryland Chehalis

**License No.:** 2253

**Contractor's No.:** Moerkoppenda's

**Date:** 9-11-97

(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) 407-6500. The TOD number is (206) 407-6006.
WATER WELL REPORT

Type of Well:
- Construction
- Decommission

Proposed Use:
- Domestic
- Industrial
- Municipal
- Dewatering
- Irrigation
- Test Well
- Other

Construction Type:
- New well
- Alteration
- Driven
- Jetted
- Cable Tool
- Deepening
- Other
- Dog
- Air
- Mud-Rotary

Dimensions: Diameter of boring ___ in., to ___ 330 ft.
Depth of completed well ___ 330 ft.

Construction Details:
- Casing Diameter From Thickness Steel PVC Welded Thread
- 0 in. 0 0 in. 0 0 in. 0 0 in. 0

Perforations: Yes No Type of perforator used Star Wheel
- No. of perforations ___ 100
- Size of perforations ___ in. by 7/8 in.
- Perforated from ___ 320 ft. to ___ 330 ft. below ground surface

Screens: Yes No K-Packer Depth ___ ft.
Manufacturer’s Name:
- Type:
- Diameter in. Shot size in. from Mr to ft. to ft.
- Diameter in. Shot size in. from Mr to ft. to ft.

Sand/Filter pack: Yes No Size of pack material ___ in.
- Materials placed from ___ 0 ft. to ___ 0 ft.

Surface Seal: Yes No To what depth? ___ 38 ft.
- Material used in seal Bentonite Chips

Did any strata contain usable water? Yes No
- Type of water:
- Method of sealing strata off

Pump: Manufacturer’s Name ___ N/A
- Type:
- H.P. Pump intake depth ___ ft. Designated flow rate: ___ gpm

Water Levels:
- Land-surface elevation above mean sea level ___ ft.
- Stick-up of top of well casing ___ ft. above ground surface
- Static water level ___ 275 ft. below top of well casing Date 1/2/2019
- Anemometer pressure ___ 8s. per square inch Date
- Anemometer water is controlled by ___ (cap, valve, etc.)

Tests:
- Was a pumping test performed? Yes No
- Yield ___ gpm with ___ ft. drawdown after ___ hrs.
- Recovery data (time = zero when pump is turned off = water level measured from top to water level)
- Date of pumping test
- Air test ___ gpm with stem set at ___ 327 ft. for ___ 1 hrs.
- Temperature of water ___ °F

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 the best knowledge and belief.

Driller’s Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material From To
Top soil ___ 0 ___ 1
Clay, silt, sand, brown/soft ___ 1 ___ 10
Clay, silt, sand, gravel, cobbles, brown/soft ___ 10 ___ 24
Sand, gravel, silt, cobbles, brown/soft ___ 24 ___ 33
Clay, orange/soft ___ 33 ___ 44
Sandy clay, silt, gravel, cobbles, brown/soft ___ 44 ___ 72
Cemented sand, gravel, cobbles, boulders ___ 72 ___ 103
brown/very hard ___ 103 ___ 161
Sand, gravel, silt, clay, cobbles, brown/soft ___ 161 ___ 206
Sand, gravel, silt, cobbles, brown/soft ___ 206 ___ 318
Sandy clay, silt, clay, brown/soft, wb ___ 318 ___ 330
Clay, blue/soft ___ 330 ___

Drilling Company: Moerke & Sons Pump and Drilling
Address: 1162 NW State Avenue
City, State, Zip: Chehalis, WA 98532
Contractor’s Registration No.: MOERKSP072N5 Date 1/2/2019

**WATER WELL REPORT**

**STATE OF WASHINGTON**

**WATER PERMIT NO.**

**OWNER:** Charles Mehman
**Address:** 2102 3rd Ave. W, Seattle, WA 98119

**LOCATION OF WELL:**
**County:** Lewis
**Street Address:** 959C Burnt Ridge Rd, Cinebar, WA 98533

**PROPOSED USE:** Domestic [x]  Industrial [x]  Municipal [x]  Other [ ]

**TYPE OF WORK:**
- Abandoned [ ]
- New well [x]
- Method: Drilled [x]
- Dug [ ]
- Bored [ ]
- Reconditioned [ ]
- Recertified [ ]

**DIMENSIONS:**
- Diameter of well: 6 inches
- Drilled: 293 feet, Depth of completed well: 278 ft.

**CONSTRUCTION DETAILS:**
- Casing installed: 6 ft. to 278 ft.
- Perforations: Yes [x] No [ ]
- Type of perforator used: 
- Size of perforations: in.
- Screen(s): Yes [ ] No [x]
- Manufacturer’s Name: 
- Type: 
- Model No: 
- Diam. Skirt size: in.
- Diam. Box size: in.
- Gravel packed: Yes [x] No [ ]
- Size of gravel: 
- Gravel placed from: 
- 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: 

**PUMP:**
- Manufacturer’s Name: 
- Type: 

**WATER LEVELS:**
- Land surface elevation: 
- Above mean sea level: R.
- Static level: 228 ft. below log of well: Date 10-11-01
- Artesian pressure: 86 lbs. per square inch
- Artesian water is controlled by:

**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: R. drawdown after hrs.

**RECOVERY DATA:**
- (Time taken as zero when pump turned off) (Water level measured from well log to water level)

**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:** Moerekje & Sons
**Address:** 1286 NW Maryland Chehalis

**Contractor's Registration:** MOERKJESONS Date 10-15-01

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) 407-6008.
WATER WELL REPORT

PROPOSED USE: Domestic □ Industrial □ Municipal
□ DeWater □ Irrigation □ Test Well □ Other

TYPE OF WORK: Owner's number of well (if more than one)
□ New well □ Reconditioned □ Dug □ Bored □ Driven
□ Deepened □ Liner installed □ Cable □ Rotary □ Jetted

DIMENSIONS: Diameter of well (inches) 300 ft
Depth of completion well 276 ft

CONSTRUCTION DETAILS
Casing □ Welded □ Bias □ Threaded
Installed: □ Liner installed □ from □ from □
Perforations: □ Yes □ No
Type of perforation used □ Still saw

SIZE OF PERFORATION: □ 6 in and □ 2 in and □ 1 in and □ 1 in and □ 0 in and

MATERIAL

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<td>Brown clay cobble</td>
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<tr>
<td>Loose gravel</td>
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RECEIVED
JUL 18 2006

DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

WELL CONSTRUCTION CERTIFICATION: I declare that the information contained herein is true and correct. The well was constructed in accordance with the best knowledge and belief of the undersigned.

Driller: Bob Langner
Driller's License No. 2588
Driller's Signature

ECY 050-1-20 (Rev 3/05) The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.
WATER WELL REPORT

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

ORIGINAL INSTALLATION Notice

WATER WELL ID Tag No. W221476
Well Right Permit No. AKT 321
Property Owner Name: David Melegere
Well Street Address: 998 Burnt Ridge Rd
City: Cinca
County: Lewis
EWM circle
Lat/Long (s, t, r) Lat Deg Long Min/Sec
Still REQUIRED

Tax Parcel No. 057-400-000

CONSTRUCTION DETAILS
Casing: 
- Welded + 6 ft
- Diam. from 72 ft to 268 ft
- Threaded
- Diam. from 72 ft to 275 ft

Perforations: 
- Yes 
- No

Type of perforation used: Drill Saw

SIZE of perms: 12 in by 6 in and nos. of perms 40 from 285 ft to 298 ft

Surface Seal: 
- Yes 
- No
- To what depth? 378 ft

Material used in seal: Bentonite Chip

Did any strata contain unusable water?: 
- Yes 
- No

Type of water?: 
- Depth of strata

Type of sealing strata off:

PUMP: 
- Manufacturer's Name
- H.P.

WATER LEVELS:
- Land-surface elevation above mean sea level: ft
- Static level: 240 ft below top of well Date: 6-10-06
- Artisan pressure: lbs per square inch Date
- Artisan water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made?: 
- Yes 
- No
- If yes, by whom?

Yield: 
- gal/min. with ft. drawdown after hrs
- gal/min. with ft. drawdown after hrs
- 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:
- 3-30-06

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

Airtest: 
- 10 gal/min. with stem set at 300 ft for 1 hr

Artisan flow: gpm Date

Temperature of water: Was a chemical analysis made?: 
- Yes 
- No

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. 
- Driller
- Engineer
- Driller's Name (print)
- Driller/Engineer/Trainee Signature

Driller or trainee License 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. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL

FROM TO

Clay loam Brown 0 10
Non-layer Clay Cobbler 40 80
Compacted Gravel Clays 50 160
Compacted Gravels Clay 760 1268
Hard Sands 1268 1638
Compacted Gravel K 263 275
Loose Gravels 275 300

RECEIVED

JUL 18 2006

DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

ECLI INC.

R 8 8 8

7-11-06

DEP

C 1

FISCAL YEAR

JUL 14 2006

Driller's License No.

Driller's Signature

ECL 050-1-20 (Rev 3/05) The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.
(1) Name TED TRULSON
Address 159 JOHNSON ROAD, ONALASKA

(2) Location of well, County- LEWIS
(2a) Street address of well- VANHOUSEN ROAD, ONALASKA

(3) Proposed use- DOMESTIC

(4) Type of work -- ONE
Number of well NEW CONSTRUCTION
Method of drill ROTARY

(5) Dimensions -- Diameter of well 6"
Drilled 181' Completed 179' 1/2 GPM AT 140'

(6) Construction details --
Casing 6" from +2' to 178',
from to,
Welded YES Liner installed NO
Perforations - NO
Type of perforater
Size of perforations " by "
holes from' to'
holes from' to'
Screen NO
Manufacturer's Name
Type Diam. "."
Slot size " from' to'
Slot size " from' to'
Gravel packed NO
Surface seal YES to 18+ feet
Material used in seal BENTONITE
Any unusable water? NO
Type of water
Where?
Method of seal

(7) Water Levels
Elevation above sea level
Static water level 129'
Artesian pressure

(8) Well tests
Air test;
15 gpm bit at 170' for 1 hr.
Was pump test made NO
(if yes see attached)

DESCRIPTION
WELL LOG or ABANDONMENT PROCEDURES

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<td>SAND,GRAVEL</td>
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<td>1/2 GPM AT 140'</td>
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STARTED 05/08/95 COMPLETED 05/10/95

WELL CONSTRUCTERS CERTIFICATION
I accept responsibility for
construction of this well and its compliance with all Washington well construction standards. The information reported above is true to my best knowledge and belief.

KING BROS. DRILLING INC.
644 SHOREY ROAD
CHEHALIS, WASHINGTON 98532
206-748-3798
Contractors number KING BDI 124 DC

CURTIS M. KING CWD License# 0609
DATE Thursday May 18, 1995
Well Tagging Form

Unique Well ID Tag Number: BBP 455

Use this form ONLY if an WELL REPORT IS FOUND
(Attach the original well report to this form)

If a water well report is NOT available, please complete a “Water Well Report for an Existing Well” form. This form is available at Ecology’s headquarters office by calling 360-407-6650 or e-mail: mbru461@ecy.wa.gov

Well Ownership, If Different From Well Report

First name: Bill
Last name: Forstner
Street Address: 1058 Burnt Ridge Rd.
City: Onalaska
State: WA
Zip Code: 98570

Location of Well, If Different From Well Report

*Section, Township and Range are REQUIRED *

Well Address

City


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<th>¼</th>
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<th>Latitude</th>
<th>Degrees</th>
<th>Minutes</th>
<th>Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46</td>
<td>35</td>
<td>16</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Longitude</th>
<th>Degrees</th>
<th>Minutes</th>
<th>Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>122</td>
<td>35</td>
<td>30</td>
</tr>
</tbody>
</table>

Elevation at land surface: 900 feet

Well Characteristics

Location of Well Identification Tag: on well

Scale 1:24,000 (1" = 2,000')

Indicate the location of the well within the Section by drawing a dot at that point

Section: 29

Comments
RESOURCE PROTECTION WELL REPORT
(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in circle)
☑ Construction
○ Decommission

1809628 Pacific Ground Water Qrp

Consulting Firm
Unique Ecology Well ID
Tag No.: ~

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

Driller □ Engineer □ Trainee Name (Print): Scott Krueger
Driller/Engineer/Trainee Signature: Scott Krueger
Driller or Trainee License No.: 2073

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

Construction/Design
Well Data
Formation Description

CONCRETE SURFACE SEAL
BACKFILL Bentonite chips

DEPTH OF BORING: 78'

0 - 45 ft.
Red Silty Clay
Some gravel

45 - 78 ft.
Brown Silty Clay
Some gravel Cobble

Type of Well ("x" in circle)
☑ Resource Protection
○ Geotech Soil Boring

Property Owner: Fire Mountain Farms
Site Address: 856 Bunt Ridge Rd.
City: Cinabar
County: Lewis

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

Tax Parcel No.: ~
Cased or Uncased Diameter: 6" Static Level: ~
Work/Decommission Start Date: 9/19/05
Work/Decommission Completed Date: 9/19/05

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Washington State
Department of Ecology

ECY 050-12 (Rev 2/01)
RESOURCE PROTECTION WELL REPORT

Notice of Intent No. RWE959

Construction/Decommission (*x* in circle)
- [x] Construction
- [ ] Decommission

Original Construction Notice of Intent Number

Property Owner: Fire Mountain Farms

Unique Ecology Well ID Tag No.: AKL 038

Consulting Firm: Pacific Groundwater Corp

Driller or Trainee Name: Scott Krueger

Driller or Trainee License No.: 2073

Type of Well (*x* in circle)
- [x] Resource Protection
- [ ] Geotech Soil Boring

Site Address: 8368 Burnt Ridge Rd

City: Cle Elum

County: Lewis

Location: 91° 14' - 1/4 W, 1/4 Sec. 20, Twn 13N, Rge 65E WWM

Lat/Long (s, t, r still REQUIRED)
- Lat Deg_____
- Lat Min/Sec_____
- Long Deg_____
- Long Min/Sec_____

Tax Parcel No.: ____________

Cased or Uncased Diameter: 8"

Static Level: 62

Work/Decommission Start Date: 9/19/05

Work/Decommission Completed Date: 9/19/05

Construction/Design

Well Data

Formation Description

Well Cover

Concrete Surface Seal Depth: 3 ft

Blank Casing: 2" 59 ft

Material: PUC

Backfill: 34 ft

Type: Rock Chips

Seal Material: ____________

Gravel Pack: 30 ft

Material: 21/2

Screen: 2" x 10 ft

Slot Size: 010

Material: ____________

Well Depth: 67 ft

Backfill Material: ____________

Total Hole Depth: ____________

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Department of Ecology Well Log Image System
**Owner:** Name JONES DIANE  
**Address:** 975 BURNT RIDGE ONALASKA, WA 98570

**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:**  
  - TOPSOIL BROWN: 0 ft.
  - CLAY BROWN: 1 ft.
  - CEMENTED SAND & GRAVEL: 16 ft.  
  - SHALE GRAY: 253 ft.
  - CEMENTED SAND & GRAVEL: 258 ft.
  - CEMENTED SAND & GRAVEL /MB: 270 ft.
  - CLAY BROWN: 295 ft.

**Screens:**  
- **Type:**  
  - Manufacturer's Name:  
  - Type:  
  - Diam.:  
  - Slot size: from ft. to ft.

- **Gravel packed:**  
- **Surface seal:**  
  - **Material used in seal:** BENTONITE
  - **Did any strata contain usable water?: NO**
  - **Type of water:**  
  - **Depth of strata:** ft.

**Pump:**  
- **Manufacturer's Name:**  
- **Type:** NONE

**Water Levels:**  
- **Static level:** 245 ft. below top of well  
- **Date:** 11/14/94
- **Artesian Pressure:** lbs. per square inch  
- **Date:** 11/14/94

**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:  
  - Date of test:  
  - Bailer test: gal/min. ft. drawdown after hrs.
  - Air test: gal/min. with stem set at 290 ft. for 1 hrs.

**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.**

**Address:** 1286 NW MARYLAND AVE

**Contractor's License No.:** 2253 JONES

**Date:** 11/15/94
**HOLT DRILLING, INC.**

**Resource Protection Well Report**

- **Project Name:** Fire Mountain Farms
- **Well Identification #:** Adam 47
- **Drilling Method:** HSA 47
- **Driller:** Mike Sharp
- **License #:** 2310
- **Date:** 15 Oct 02
- **County:** Lewis
- **Section:** 20 T 13 R 7
- **Street Address:** 850 Bent Ridge Rd
- **Start Card #:** 54831
- **Consulting Firm:** Pacific G. group

---

**AS-BUILT**

- **MONUMENT TYPE:** Stickup
- **CONCRETE SURFACE SEAL:** 2 ft
- **PVC BLANK:** 2" x 17'
- **BACKFILL TYPE:** Bentonite
- **GRAVEL PACK:** 12 ft

**WELL DATA**

- **WELL DEPTH:** 27'

---

**FORMATION DESCRIPTION**

- **0 - 27 ft:** Red S. TH Sand
- **- ft:**
- **- ft:**
- **- ft:**

---

**REMARKS**

---

**RECEIVED**

JAN 13 2003

Washington State
Department of Ecology

**Signature**
HOLT DRILLING, INC.
Resource Protection Well Report

Project Name: Free mountain Springs
Well Identification #: Alt 185
Drilling Method: HSA 4"
Driller: Mike Sharp
License #: 2310

Date: 15 Oct 02
County: Lewis, NE ½ SW ¼
Section: 20 T. 13n R. 2
Street Address: 8510 Burnt Ridge Rd
Start Card: R 54831
Consulting Firm: Pacific Groundwater Group

AS-BUILT
MONUMENT TYPE: Sheet
CONCRETE SURFACE SEAL: 2 ft.
PVC BLANK: 2" x 12'
BACKFILL: 8 ft.
TYPE: Sand Clay
PVC SCREEN: 2" x 10'
SLOT SIZE: 3/16
TYPE: PVC
GRAVEL PACK: 12 ft.
MATERIAL: Gravel
WELL DEPTH: 22'

WELL DATA

FORMATION DESCRIPTION

0 - 22 ft
Red Sandy Clay

REMARKS

RECEIVED
JAN 03 2003
Washington State
Department of Ecology

Signature: [Signature]

The Department of Ecology does NOT warrant the Data and/or the information on this well report.
WATER WELL REPORT

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

Construction/Decommission ("X" in circle)

[ ] Construction
[ ] Decommission

ORIGINAL INSTALLATION

Notice of Intent Number

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

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

DIMENSIONS: Diameter of well [ ] inches, drilled [ ] ft.
Depth of completed well [ ] ft.

CONSTRUCTION DETAILS

Casing: [ ] Welded [ ] Diam. from [ ] ft. to [ ] ft.
Installed: [ ] Liner installed [ ] Diam. from [ ] ft. to [ ] ft.
[ ] Throated [ ] Diam. From [ ] ft. to [ ] ft.
Perforations: [ ] Yes [ ] No
Type of perforator used [ ] Star Wheel

SIZE of parts [ ] in. by [ ] in. and no. of parts [ ] 20 to [ ] 50 to [ ] 55.

Screen: [ ] Yes [ ] No [ ] K-Fac 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/and

Material placed from [ ] ft. to [ ] ft.

Surface Seal: [ ] Yes [ ] No To what depth [ ] ft.

Material used in seal [ ] Bentonite

Did any strata contain unstable water? [ ] Yes [ ] 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 110 ft. below top of well Date 12/03/2013

Artesian pressure [ ] lbs. per square inch Date [ ]

Artesian water is controlled by [ ] (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [ ] No If yes, by whom?

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)


Date of test [ ]

Boiler test [ ] gal/min. with [ ] ft. drawdown after [ ] hrs.

Artesian 10 gal/min. with stem at 157 ft. for [ ] hrs.

Artesian flow [ ] g.p.m. Date [ ]

Temperature of water [ ] Was a chemical analysis made? [ ] Yes [ ] No

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

Driller [ ] Engineer [ ] Trainee Name (签证) [ ]

Driller/Engineer/Trainee Signature [ ]

Driller or trainee License No. 2235

IF TRAINEE: Driller’s License No. [ ]

Driller’s Signature [ ]

CURRENT

Notice of Intent No. WE 17472

Unique Ecology Well ID Tag No. BHV 831

Water Right Permit No. N/A

Property Owner Name Robert Thode

Well Street Address 1029 Burnt Ridge Road

City Omak State County Lewis

Location NW1/4-1/4 SE1/4 Sec 20 Twn 13 N R 02 EWM [ ]

Or WWM [ ]

(s, t, r still REQUIRED)

Lat/Long Lat Deg [ ] Lat Min/Sec [ ]

Long Deg [ ] Long Min/Sec [ ]

Tax Parcel No. (Required) 033284001000

CONSTRUCTION OR DECOMMISSION PROCEDURE: Formation: Formed 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 formation. (USE ADDITIONAL SHEETS IF NECESSARY.)

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Soil</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Sandy Clay Brown Soft</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Sandy Clay Gravel</td>
<td>7</td>
<td>16</td>
</tr>
<tr>
<td>Few cobbles, Brown Soft</td>
<td>16</td>
<td>44</td>
</tr>
<tr>
<td>Clay, Gravel, Large Rocks</td>
<td>44</td>
<td>49</td>
</tr>
<tr>
<td>Cobblestones, Grey - Hard</td>
<td>49</td>
<td>55</td>
</tr>
<tr>
<td>Clay, Dark Brown - Soft</td>
<td>55</td>
<td>73</td>
</tr>
<tr>
<td>Clay, Grey - Soft</td>
<td>73</td>
<td>105</td>
</tr>
<tr>
<td>Clay, Gravel, Cobble</td>
<td>105</td>
<td>129</td>
</tr>
<tr>
<td>Few boulders, Grey - Hard</td>
<td>129</td>
<td>156</td>
</tr>
<tr>
<td>Sandy Clay, Gravel, Cobble</td>
<td>156</td>
<td>159</td>
</tr>
<tr>
<td>Few Boulders Grey - Hard</td>
<td>159</td>
<td>161</td>
</tr>
<tr>
<td>Cemented Sand and Gravel</td>
<td>161</td>
<td></td>
</tr>
<tr>
<td>Boulders, Brown - Hard</td>
<td>129</td>
<td></td>
</tr>
<tr>
<td>Sand, Gravel, Some clay</td>
<td>156</td>
<td></td>
</tr>
<tr>
<td>Water bearing Brown - Soft</td>
<td>159</td>
<td></td>
</tr>
<tr>
<td>Clay, Brown - Soft</td>
<td>159</td>
<td></td>
</tr>
<tr>
<td>Clay, Some Gravel, Some Sand</td>
<td>159</td>
<td></td>
</tr>
<tr>
<td>Greys - Soft</td>
<td>159</td>
<td></td>
</tr>
</tbody>
</table>

Used a lost crown drive shoe

Start Date 11/26/2013 Completed Date 12/03/2013

ECY 050-1-20 (Rev 02/10) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.
PROJECT NAME: Robert Thode RP*1
WELL IDENTIFICATION NO.: AFC 4160
DRILLING METHOD: Air Rotary
DRILLER: Chris Jones # 21253
FIRM: Maaske Jones Pump Drilling
SIGNATURE:
CONSULTING FIRM: Pacific Groundwater Group
REPRESENTATIVE: Weldon Wildrick

COUNTY: Lewis
LOCATION: NW 1/4 SE 1/4 Sec 20 Twn 13N R 23E WM
STREET ADDRESS OF WELL: 874 Burnt Ridge Rd.
Cle Elum, WA
WATER LEVEL ELEVATION:
GROUND SURFACE ELEVATION:
INSTALLED: 10-28-99
DEVELOPED: 10-28-99

AS-BUILT

WELL DATA

FORMATION DESCRIPTION

Well drilled 6" dia. to 18'.
Screen - 2" dia.
20 slot PVC from
13' to 18'
2" schedule 40 PVC pipe from screen
to +2'
Gravel pack - 9-12 mesh Calamato sand from 12' to 18'
Surface seal - 12" to 12" bentonite
6" steel casing from +2.5' to 3' with
locking cap (resource protection)
Concrete pad around casing provided by
owner with guardian posts
Static level - 10'

Top soil 0'-1'
Dark Brown Clay 1'-3'
Light gray clay 3'-13'
sticky-soil
Brown Clay 13'-18'
grainy-cobble

SCALE: 1" = 5'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)
# RESOURCE PROTECTION WELL REPORT

**Project Name:** Robert Thode RP #2  
**Well Identification No.:** AFE 461  
**Drilling Method:** Air Rotary  
**Driller:** Chris Jones  
**Firm:** Moeke-Sears Pump & Drilling  
**Consulting Firm:** Pacifiy Groundwater Group  
**Representative:** Linton Wildrick  
**County:** Lewis  
**Location:** NW 1/4 Sec 20  
**Twm 13N R 2E WM  
**Street Address of Well:** 874 Burnt Ridge Rd.  
**City:** Cinca  
**Water Level Elevation:**  
**Ground Surface Elevation:**  
**Installed:** 10-29-99  
**Developed:** 10-29-99

## AS-BUILT
- Capped with locking cap

## WELL DATA
- Well drilled 6" dia. to 15'
- Screen - 2" dia. PVC
  - 20 slots from 10' to 15'
  - 2" schedule 40 PVC pipe from 12' to 18'
- Gravel pack - 8-12 mesh Colorado Sand from 10' to 15'
- Surface seal - 0' to 10'
- Bentonite

## FORMATION DESCRIPTION
- Top Soil 0'-1'
- Dark brown soil 1'-3'
- Clay - Gray - Soft 3'-9'
- Clay - Grainy, some gravel, wb 9'-15'

## CONSTRUCTION
- Concrete pad around casing and guard posts to be provided by owner
- Static level 9'

---

**Scale:** 1" = 5'  
**Page:** 1 of 1  
ECY 050-12 (Rev. 11/89)
WATER WELL REPORT

ORIGINAL INSTALLATION Notice of Intent Number

PROPOSED USE:  ☑ Domestic □ Irrigation □ Industrial □ Test Well □ Municipal □ Other

TYPE OF WORK:  □ New well □ Reconditioned Method:  ☑ Dug □ Bored □ Onwen

DIMENSIONS:  Diameter of well 12 inches, drilled 296 ft.

CONSTRUCTION DETAILS

Casing:  ☑ Welded  □ " Diam. from +2 ft. to 296 ft.

Installed:  ☑ Liner installed  □ " Diam. from +2 ft. to 296 ft.

Perforations:  ☑ Yes □ No

Size of perforator used:

Size of perf. in. by in. and no. of perf. from ft. to ft.

Screens:  ☑ Yes □ No  ☑ K-Pac Location

Gravel/Filter packed:  ☑ Yes □ No  □ Size of gravel/sand

Materials 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?

Method of sealing strata off

PUMP:  Manufacturer’s Name

Type:  H.P.

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

Static level 245 ft. below top of well Date 11/16/05

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS:  Drawdown is amount water level is lowered below static level

Was a pump test made?  ☑ Yes □ No If yes, by whom?

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

Artesian flow g.m.p. Date 11/16/05

Temperature of water Was a chemical analysis made?  ☑ Yes □ No

END CONSTRUCTION OR DECOMMISSION PROCEDURE

Well was drilled using lost crown under reaming system

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NOV. 28 2005

Washington State
Department of Ecology

Start Date 11/14/05 Completed Date 11/16/05

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

Driller □ Engineer □ Trainee (Print) Chris Jones
Driller/Engineer/Trainee Signature
Driller or trainee License No. 2253

If TRAINEE, Driller's Licensed No.
Driller's Signature

ECD 050-1-20 (Rev 3/05) The Department of Ecology does NOT warrant the Data and/or Information on this Well Report.
WATER WELL REPORT
STATE OF WASHINGTON

OWNER: Name: TINA BALDWIN - PAT GOWEN Address: 225 BOWEN RD, MOSSYROCK, WA 98564

LOCATION OF WELL: County: LEWIS NE 1/4 SW 1/4 Sec 20 T 13 N, R 2E, W 8

STREET ADDRESS OF WELL (or nearest address): 924 BURNT RIDGE RD - ONALASKA 98570

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

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

DIMENSIONS: Diameter of well 6" inches Drilled 267 ft. Depth of completed well 262 ft.

CONSTRUCTION DETAILS:
Casing Installed: Diam. from to ft. 6/16
Welded ☐ Liner Installed ☐ Threaded ☐

Perforations: Yes ☐ No ☒ Type of perforator used: HOLE AIR
SIZE of perforations in by in.
240 perforations from to ft. 240 ft.

Screens: Yes ☐ No ☒ Manufacturer's Name
Type: Model No.
Diam. Slot size from to ft. 240 ft.
Diam. Slot size from to ft. 240 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from to ft. 240 ft.

Surface seal: Yes ☐ No ☒ To what depth? 16 ft.
Material used in seal
Did any strata contain usable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

PUMP: Manufacturer's Name
Type: H.P.

WATER LEVELS:
Static level 244 ft. below top of well Date 4-22-97
Aerisian pressure lbs. per square inch Date
Aerisian water is controlled by
(Cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
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

Date of test

Boiler test 12 gal./min. with 2 ft. drawdown after 1 hrs.
Aerisian flow gal./min. with stem set at ft. for hrs.
Aerisian flow ________________ g.p.m. Date
Temperature of water ________________ Was a chemical analysis made? Yes ☐ No ☐

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
BROWN CLAY & Boulders 0 266
Cemented Gravel & Boulders 26 267
BLUE CLAY & Gravel 262 267

WELL CONSTRUCTOR CERTIFICATION:
I, ___________________________ (PERSON OR FIRM OR CORPORATION) (TYPE OR PRINT)
Signature: ___________________________
License No. 0143

Contractor's Registration No. KINGBND RHHC Date 4-22-97 (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.
DISCLAIMER
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The data and/or image(s) may not be accurate, complete, legible, or otherwise reliable.

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The user of this well log assumes the entire risk that the data and/or image may be inaccurate, incomplete, illegible, or otherwise reliable.

Some loss of information can occur from scanning a document. Small dots that end abbreviated words or decimals that separate whole numbers from fractions can sometimes be lost as a result of scanning. If a number has a gap between its digits or if the line that boxes it has white space where there should be a continuous line, then any associated numeric value should be scrutinized. Poorly scanned documents can be rescanned from the original paper if reported to us. Use the Well Log Contact Us page to report image quality or content concerns.

PUBLIC DISCLOSURE
Please take notice that state law states that all private citizen names and addresses may not be used for any solicitation/commercial purpose.
# Well Log Data Export

## Data Dictionary

The table below lists the data field names, descriptions, and examples of each data item that makes up the well log data extract file.

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>well_log_id</td>
<td>WELL LOG ID. A sequential number generated by the system to track a well log record.</td>
<td>100564</td>
</tr>
<tr>
<td>well_tag_nr</td>
<td>WELL TAG NUMBER. The number issued by the Department of Ecology that is stamped on a metal tag that is attached to the actual well.</td>
<td>AAA-000</td>
</tr>
<tr>
<td>project_tag_nr</td>
<td>PROJECT TAG NUMBER – The number issued by the property owner or consulting firm to track the well. This number is NOT affiliated with Ecology’s tag number in any way.</td>
<td>MW-001</td>
</tr>
<tr>
<td>nit_id_nr</td>
<td>NOTICE OF INTENT ID NUMBER. A sequential number issued by the Department of Ecology to track the Notice of Intent to Construct or Decommission a Well.</td>
<td>W072515</td>
</tr>
<tr>
<td>well_depth_qt</td>
<td>WELL DEPTH. Depth of the well in feet.</td>
<td>55</td>
</tr>
<tr>
<td>well_diameter_qt</td>
<td>WELL DIAMETER. Diameter of the casing of the well in inches.</td>
<td>6</td>
</tr>
<tr>
<td>well_owner_nm</td>
<td>WELL OWNER NAME. The name of the original property owner who had the well drilled.</td>
<td>John Smith</td>
</tr>
<tr>
<td>township_nr</td>
<td>TOWNSHIP. The identifier describing which Township the well falls within. Based on the Washington State Public Land Survey (PLS).</td>
<td>05</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Value</td>
</tr>
<tr>
<td>---------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>range_nr</td>
<td>RANGE. The identifier describing the Range location of the well. (PLS)</td>
<td>15</td>
</tr>
<tr>
<td>range_dir_cd</td>
<td>RANGE DIRECTION. The direction code describing further which range the well falls within. Washington State is divided into two halves – ‘West’ and ‘East’. (PLS)</td>
<td>E</td>
</tr>
<tr>
<td>section_nr</td>
<td>SECTION. The identifier describing which Section the well falls within. (PLS)</td>
<td>06</td>
</tr>
<tr>
<td>qtr_section_cd</td>
<td>QUARTER SECTION (1/4). The identifier describing which Quarter section the well falls within. (PLS)</td>
<td>NW</td>
</tr>
<tr>
<td>qtr_qtr_section_cd</td>
<td>QUARTER-QUARTER SECTION (1/4-1/4). The identifier describing which Quarter-Quarter section the well falls within. (PLS)</td>
<td>SW</td>
</tr>
<tr>
<td>well_comp_dt</td>
<td>WELL COMPLETION DATE. Date the well was drilled.</td>
<td>1/1/1997</td>
</tr>
<tr>
<td>county_nm</td>
<td>COUNTY NAME. County name where the well is located.</td>
<td>King</td>
</tr>
<tr>
<td>well_type_cd</td>
<td>WELL TYPE. Code which indicates the well type. See appendix for code descriptions.</td>
<td>W</td>
</tr>
<tr>
<td>driller_nr</td>
<td>DRILLER LICENSE NUMBER. License number of the well driller.</td>
<td>2327</td>
</tr>
<tr>
<td>well_log_recv_dt</td>
<td>WELL LOG RECEIVAL DATE. Date the Department of Ecology received the well log form.</td>
<td>1/6/1997</td>
</tr>
<tr>
<td>taxParcel_nr</td>
<td>TAX PERCEL IDENTIFIER. County Assessor code of the parcel where the well was drilled.</td>
<td>232019130050</td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Value</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>st_plane_xcoord_nr</td>
<td>STATE PLANE X-COORDINATE. The horizontal geographic coordinate value of the well within the WA State Plane Coordinate System (adjusted to the quarter-quarter, quarter, or whole section).</td>
<td>2031126</td>
</tr>
<tr>
<td>st_plane_ycoord_nr</td>
<td>STATE PLANE Y-COORDINATE. The vertical geographic coordinate value of the well within the WA State Plane Coordinate System (adjusted to the quarter-quarter, quarter, or whole section).</td>
<td>780897</td>
</tr>
</tbody>
</table>

**Appendix**

**Well Type Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
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</tr>
<tr>
<td>R</td>
<td>Resource Protection</td>
</tr>
<tr>
<td>A</td>
<td>Abandonment</td>
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