

SP-11-00009

January 23, 2012

Mr. James Rivard  
Environmental Health Manager  
Kittitas County Health Department  
507 Nanum Street  
Ellensburg, WA 98926



SUBJECT: Hydrogeological Report  
Thrall Road Short Plat Section 27, T 17 N, R 19 E  
Kittitas County

Pro Services Engineering Corp. was retained by Cruse & Associates to prepare this hydrogeological report addressing the 4 lot, 50.19 acre, Thrall Road Short Plat. This report provides information pertinent to water availability per Section 52 of the Growth Management Act. Information used in preparing this report was obtained from the local U.S. Geological Survey geologic map and Department of Ecology well log files.

The subject short plat is located within the SE 1/4 of Section 27, T 17 N and R 19 E. The short plat is bounded on the south by Thrall Road and just west of Denmark Road.

#### Local Geology & Topography

From topographic mapping the proposed short plat is located within the valley floors of the Yakima River. The approximate elevation above sea level of the short plat is 1585 feet.

A geological map of the Yakima River Basin was used to determine the geologic terrane of this area. The proposed short plat is located within this basin and is further described by hydrologic mapping to be within the Kittitas hydrologic basin and within the southeast corner of the Ellensburg hydrologic subbasin.

The Kittitas Subbasin is a long broad synclinal valley or structural bowl. Underlying structure from the Yakima River Basin geological map is (Qsu) designated as Sedimentary Deposits, Undifferentiated.

The formation (Qsu) is recent alluvium, glacial and valley train deposits consisting of silt (clay), sand (sandstone) and gravels. These deposits can be hundreds of feet in thickness. These deposits fill the valleys and structural basins and in this case they exist in the

valley floor of the Yakima River. The Qsu formation provides a very large proportion of the effective ground water storage that supplies the ground water component of streamflow and also serves as important aquifers. Due to the varied nature of these deposits their permeability ranges from very low to high.

### Well Study

This study was conducted using well logs obtained from an on line Department of Ecology database. A total of 68 wells existing within a 1-mile square section surrounding the property were looked at.

Within section 27 there are 15 wells that were drilled from 90 to 220 feet in depth (averaging 149 feet) with water yields of 20 gpm to 60 gpm (averaging 34 gpm). There are 7 recorded wells located in section of 26. The wells range from 98 to 290 feet in depth (averaging 193 feet) with water yields of 10 gpm to 30 gpm (averaging 23 gpm). There are 19 recorded wells in section 34. The wells range from 115 to 370 feet in depth (averaging 260 feet) with water yields of 15 gpm to 100 gpm (averaging 38 gpm). There are 23 recorded wells located in section 35. The wells range from 130 to 360 feet (averaging 227 feet) with water yields of 17 gpm to 200 gpm (averaging 46 gpm).

From well drilling logs it is recorded that wells were generally founded in sandstone or sand, and cemented gravel layers of the Qsu formation. The Qsu formation, as previously mentioned, may have low permeability in some of the layers and wells within the section will have very low output when the material is of the gray clay nature. In some cases, the wells beyond 300 feet encountered a basalt layer that yielded good well production. In examining the well logs it does, however, show that the wells have provided a good consistent yield over time.

### Conclusions

The preponderance of the well data would indicate a good probability of developing an adequate well; it will most likely have a good volume yield. There is little to no evidence to indicate that a dry well condition could be encountered. In all well drilling, however, due to the variability of the geologic structure, there is risk in not finding an adequate water source.

Based on geological data, and study of existing local wells, especially within Section 34, there is ample evidence supporting an adequate water supply. Depth of wells is expected to range from 180 feet to 250 feet in depth and with water yields of 30 gpm to 50 gpm.

This report is offered to assist those involved with the short plat review and is not an expressed or implied warranty that productive water wells can be in fact be developed at any specific location.

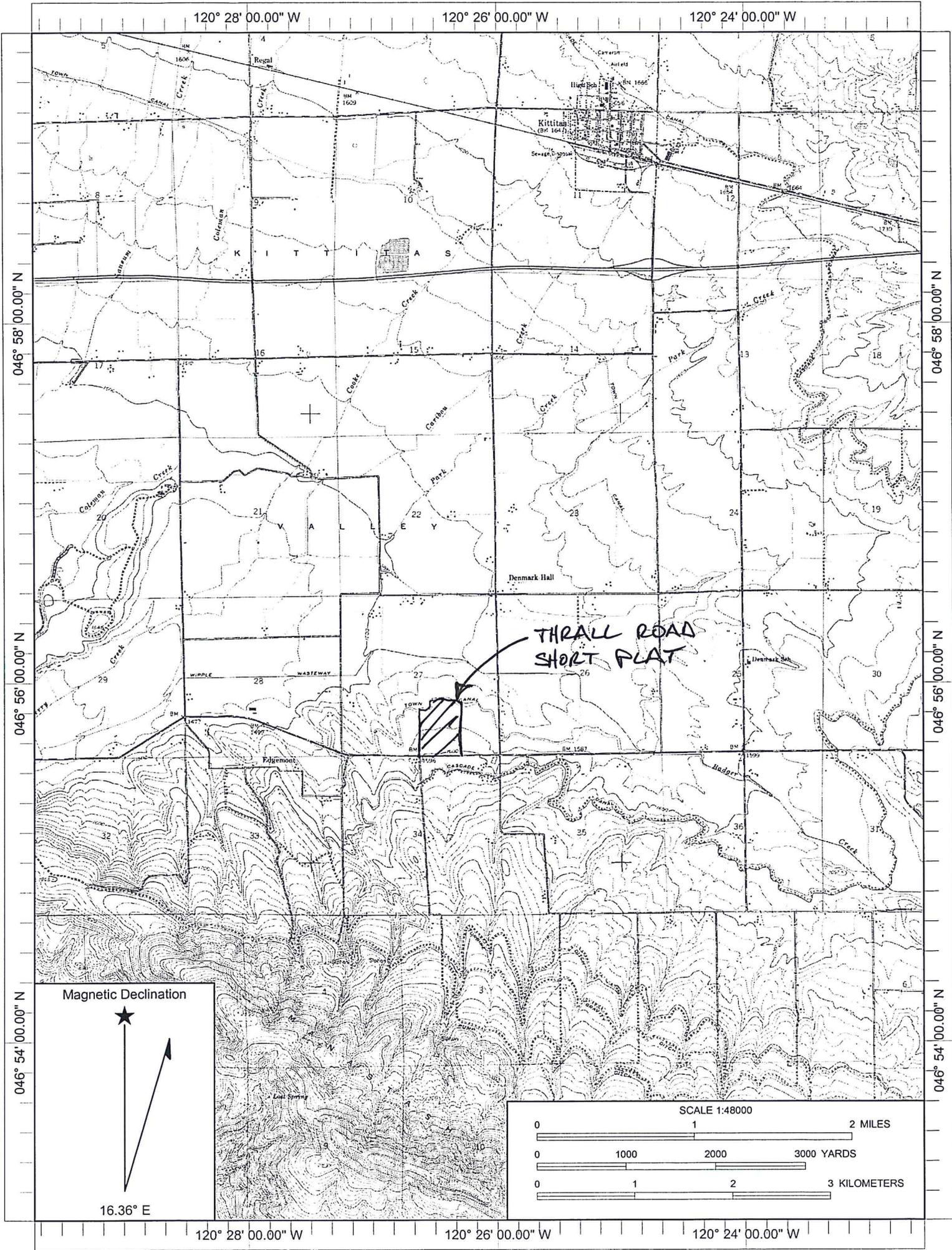
Thank you for the opportunity to be of service in this matter. If you have any further questions regarding this report, please feel free to contact me.

Sincerely yours,



Michael R. Heit, P.E.  
Design Engineer

Attach- Well Logs, Geologic Map cut out, Geographical Map cut out, Hydrologic Map cut out



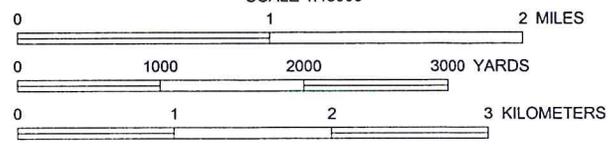
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SHORT FLAT

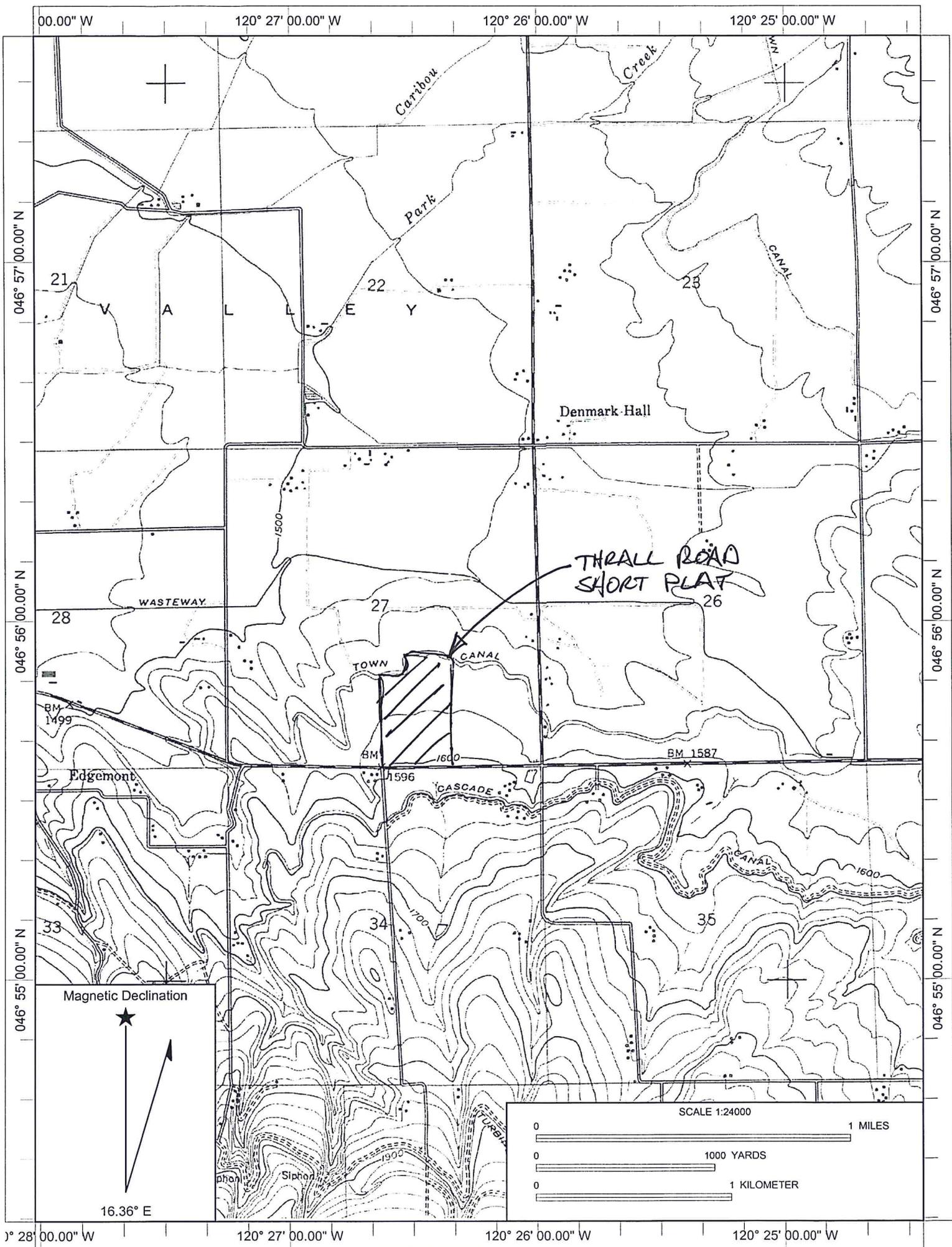
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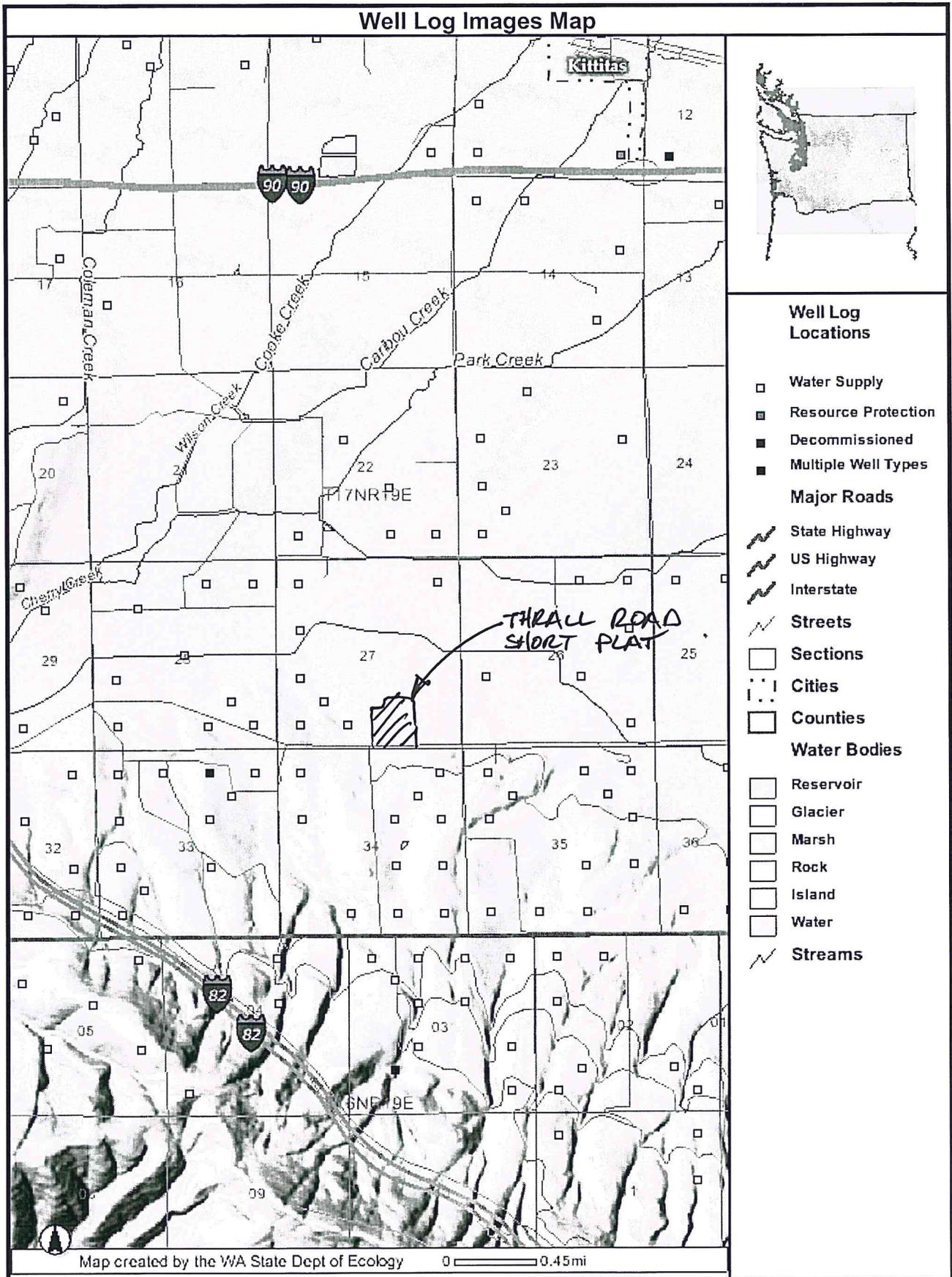


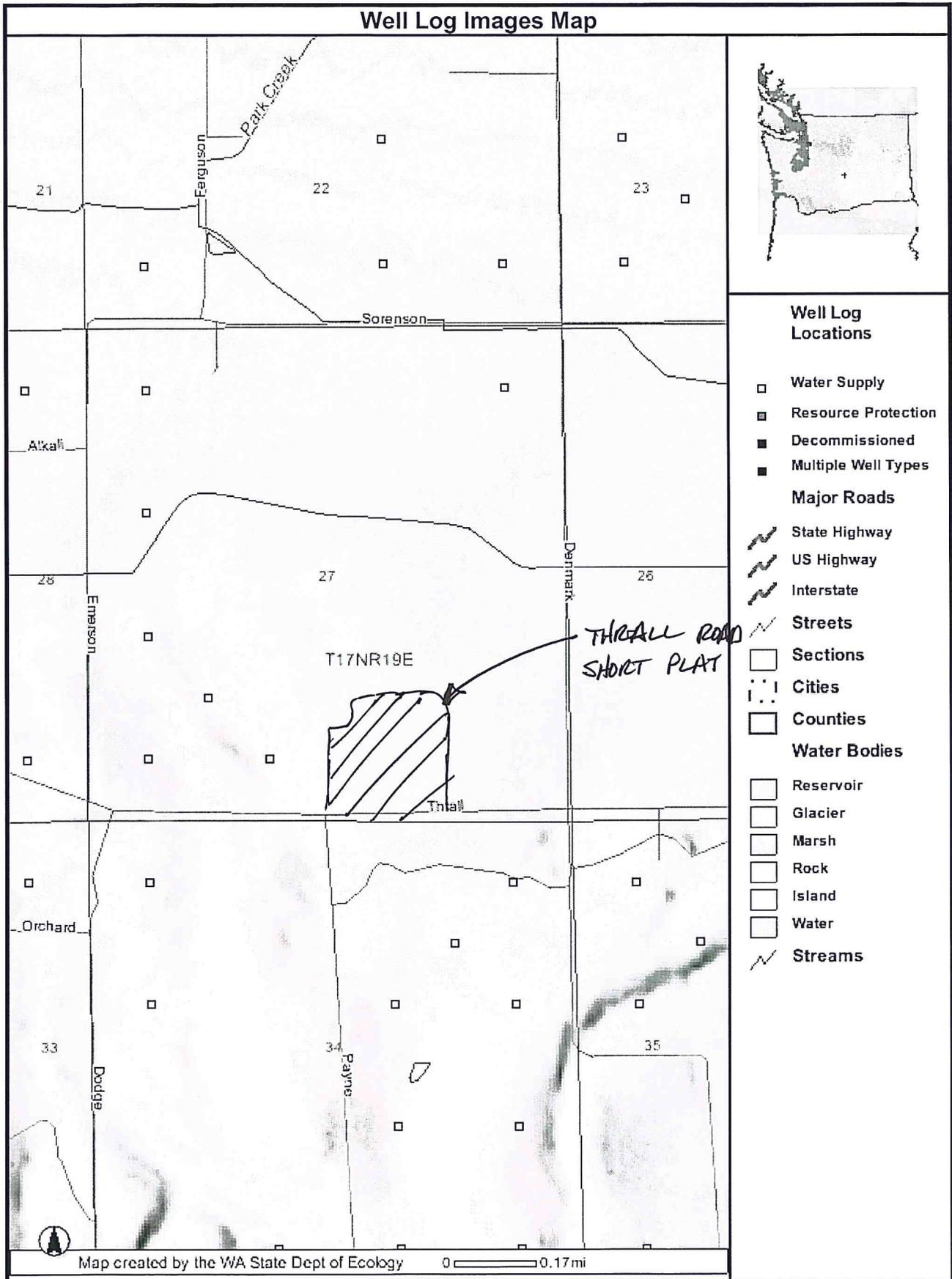
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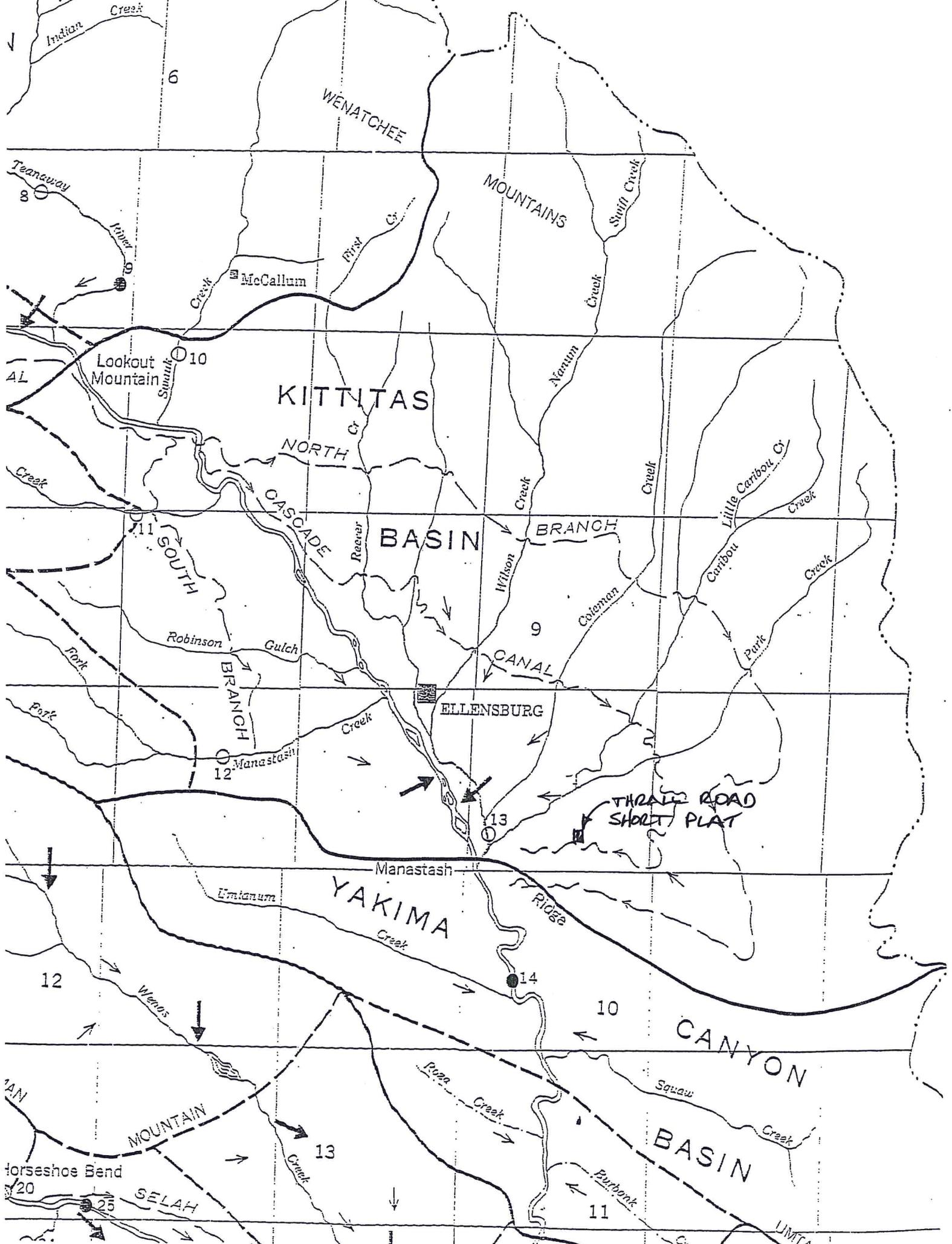
SCALE 1:48000











Indian Creek  
6

Teanaway River  
8

Lookout Mountain  
10

KITTITAS  
NORTH  
CASCADE  
BRANCH

Robinson Gulch  
SOUTH  
BRANCH  
11  
12  
Manastash

ELLENSBURG  
Manastash  
13

YAKIMA  
CANYON  
12  
10  
14

SELAH  
MOUNTAIN  
13  
20  
25

Basin  
11  
LIMIT











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



# WATER WELL REPORT

Original & 1<sup>st</sup> copy - Ecology, 2<sup>nd</sup> copy - owner, 3<sup>rd</sup> copy - driller

Construction/Decommission ("x" in circle) 349502  
 Construction  
 Decommission, ORIGINAL INSTALLATION Notice of Interit 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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

**DIMENSIONS:** Diameter of well 6 inches, drilled 290 ft.  
 Depth of completed well 290 ft.

**CONSTRUCTION DETAILS**  
 Casing  Welded 6 " Diam. from 12 ft to 48 ft.  
 Installed:  Liner installed 4 1/2 " Diam. from -30 ft. to 290 ft.  
 Threaded \_\_\_\_\_ Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Perforations:**  Yes  No  
 Type of perforator used SKILSAW  
 SIZE of perf: 6 in. by 1/4 in. and no. of perfs 100 from 100 ft. to 290

**Screen:**  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 \_\_\_\_\_ ft.  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Surface Seal:**  Yes  No To what depth? 40 ft.  
 Material used in seal BENTONITE  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

**PUMP:** Manufacturer's Name \_\_\_\_\_  
 Type: \_\_\_\_\_ H.P. \_\_\_\_\_

**WATER LEVELS:** Land surface elevation above mean sea level \_\_\_\_\_  
 Static level 109 ft. below top of well Date 5/22/08  
 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)  
 Time: \_\_\_\_\_ Water Level \_\_\_\_\_ Time: \_\_\_\_\_ Water Level \_\_\_\_\_ Time: \_\_\_\_\_ Water Level \_\_\_\_\_  
 Date of test \_\_\_\_\_  
 Bailor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest 60t gal./min. with stem set at 270 ft. for 1 hrs.  
 Artesian flow \_\_\_\_\_ p.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

## CURRENT

Notice of Intent No. W-256030  
 Unique Ecology Well ID Tag No. BAN-947  
 Water Right Permit No. \_\_\_\_\_  
 Property Owner Name JAY WADELL  
 Well Street Address STONEGATE RD  
 City E-BURG County KITTITAS  
 Location N/4-1/4 N/4 Sec 35 Twn 17 R 19 circle one  
 Lat/Long (s, t, r) \_\_\_\_\_ Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 Still **REQUIRED** Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_  
 Tax Parcel No. 1719350.55-0047

## 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
DIPT	0	2
CAILICHE	2	5
BROWN CLAY & GERMEL	5	13
BROWN CLAY	13	28
BROWN SANDSTONE	28	43
LT BROWN SANDSTONE & CLAY	43	126
BROWN SANDSTONE	126	150
DK BROWN SANDSTONE & CLAY	150	225
LT TAN CLAY	225	264
SANDSTONE & CLAY	264	290
GERMEL & WATER		

**RECEIVED**

SEP 02 2009

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 5/22/08 Completed Date 5/23/08

**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) JUSTIN WILLIAMS Drilling Company HIDDEN RIVERS DRILLING INC  
 Driller/Engineer/Trainee Signature Justin Williams Address P.O. BOX 891  
 Driller or trainee License No. T-2900 City, State, Zip SELAN, WA 98942  
 If TRAINEE, Driller's Licensed No. 2428 Contractor's Registration No. HIDDEK 9590K Date 5/22/08  
 Driller's Signature Justin Williams Ecology is an Equal Opportunity Employer.



# WATER WELL REPORT

Original & 1<sup>st</sup> copy - Ecology, 2<sup>nd</sup> copy - owner, 3<sup>rd</sup> copy - driller

ECOLOGY

Construction/Decommission ("x" in circle) **349501**

Construction

Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

## CURRENT

Notice of Intent No. W-256246

Unique Ecology Well ID Tag No. BAN-948

Water Right Permit No. \_\_\_\_\_

Property Owner Name KEVA CONST

Well Street Address STONEGATE RD

City E-BULLG County KITTEKUMS

Location 1/4-1/4NE 1/4 Sec 35 Twp 17 R 19  WWM or  circle one

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

Still **REQUIRED** Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. 171935 053-0008

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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 270 ft.  
Depth of completed well 270 ft.

CONSTRUCTION DETAILS  
Casing  Welded  Diam. from 42 ft. to 55 ft.  
Installed:  Liner installed 4 1/2 Diam. from -30 ft. to 270 ft.  
 Threaded  Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
Type of perforator used SKILSAW  
SIZE of perfs. \_\_\_\_\_ in. by \_\_\_\_\_ in. and no. of perfs. 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 \_\_\_\_\_  
Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 40 ft.  
Material used in seal BENTONITE  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

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

WATER LEVELS: Land surface elevation above mean sea level \_\_\_\_\_ ft.  
Static level 63 ft. below top of well Date 5/27/08  
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)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
Bailer test: ~~60~~ gal./min. with ~~250~~ ft. drawdown after 7 hrs.  
Airtest 60+ gal./min. with stem set at 250 ft. for 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
DIRT	0	2
CHALK	2	4
Brown clay & gravel	4	12
Brown clay	12	28
Brown sandstone	28	42
Brown sandstone & clay	42	118
Brown sandstone	118	142
LT brown sandstone & clay	142	218
LT tan clay	218	248
Brown sandstone & clay	248	270
GRAVEL & WATER		

RECEIVED

SEP 02 2009

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 5/27/08 Completed Date 5/28/08

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) JUSTIN WANSLEY  
Driller/Engineer/Trainee Signature Justin Wansley  
Driller or trainee License No. T-2900

Company HIDDEN RIVERS DRILLING  
Address P.O. BOX 891  
City, State, Zip SEMA, WA 98942

IF TRAINEE,  
Driller's Licensed No. 24128  
Driller's Signature Justin Wansley

Contractor's Registration No. H-70629590K Date 5/28/08

Ecology is an Equal Opportunity Employer.

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

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# WATER WELL REPORT

Original & 1<sup>st</sup> copy - Ecology, 2<sup>nd</sup> copy - owner, 3<sup>rd</sup> copy - driller

Construction/Decommission ("x" in circle) 351144  
 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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 245 ft.  
 Depth of completed well 245 ft.

CONSTRUCTION DETAILS  
 Casing  Welded 6 " Diam. from 13 ft. to 242 ft.  
 Installed:  Liner installed \_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Threaded \_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used \_\_\_\_\_  
 SIZE of perfs \_\_\_\_\_ in. by \_\_\_\_\_ in. and no. of perfs \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens:  Yes  No  K-Pac Location \_\_\_\_\_  
 Manufacturer's Name \_\_\_\_\_  
 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 60 ft.  
 Material used in seal Benonite  
 Did any strata contain unusable 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 195 below top of well Date \_\_\_\_\_  
 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)  
 Time Water Level Time Water Level Time Water Level  
approx 600 gpm  
air lift  
 Date of test \_\_\_\_\_  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest \_\_\_\_\_ gal./min. with stem set at 240 ft. for 1 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

## CURRENT

Notice of Intent No. W269233  
 Unique Ecology Well ID Tag No. BAF.781  
 Water Right Permit No. \_\_\_\_\_  
 Property Owner Name Kelly Nickerson  
 Well Street Address 0271 Stone gate dr.  
 City ell. County Kittitas  
 Location NW 1/4-1/4 NW 1/4 Sec 35 Twn 17 R 19 EWM or WWM circle one  
 Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 Still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_  
 Tax Parcel No. 171935054001

## 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
topsoil Br. m	0	1
Clay chev grav wh. Bl. H	1	15
sandstone Br. m	15	60
sandstone Br. H	60	145
sandstone Br. m	145	151
sandstone Br. m H	151	158
sandstone Ok Br H	158	193
Clay gray m	193	199
sandstone br wh. m	199	227
sandstone tan m	227	231
Clay Br m	231	233
sandstone yellow S	233	237
Clay gray m	237	239
Clay Brown m	239	241
sandstone Br. w m	241	245

**RECEIVED**

AUG 25 2009

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 8/5/09 Completed Date 8/6/09

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) Steve Mills  
 Driller/Engineer/Trainee Signature \_\_\_\_\_  
 Driller or trainee License No. 1338

Drilling Company Water man Well Drilling Inc  
 Address P.O. Box 296  
 City, State, Zip Selah Wa 98942  
 Contractor's Registration No. WATERmw9426A Date 8/6/09

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

Ecology is an Equal Opportunity Employer.



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



# WATER WELL REPORT

Original & 1<sup>st</sup> copy - Ecology, 2<sup>nd</sup> copy - owner, 3<sup>rd</sup> copy - driller

Construction/Decommission ("x" in circle)  
 Construction 387459  
 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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 72 ft.  
 Depth of completed well 72 ft.

CONSTRUCTION DETAILS  
 Casing  Welded 6" Diam. from +2 ft. to 43 ft.  
 Installed:  Liner installed 32" Diam. from 32 ft. to 72 ft.  
 Threaded \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used SKILL SAW  
 SIZE of perfs 7 in. by 4 in. and no. of perfs 68 from 52 ft. to 72 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 30 ft.  
 Material used in seal Penonite  
 Did any strata contain unusable 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 +2 ft. below top of well Date \_\_\_\_\_  
 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)  

Time	Water Level	Time	Water Level	Time	Water Level
_____	<u>Approx. 25 to 28 gpm</u>	_____	_____	_____	_____
_____	<u>Air Lift</u>	_____	_____	_____	_____

  
 Date of test \_\_\_\_\_  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airstest \_\_\_\_\_ gal./min. with stem set at 70 ft. for 1 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

CURRENT Notice of Intent No. W 250234

Unique Ecology Well ID Tag No. APG 107

Water Right Permit No. \_\_\_\_\_

Property Owner Name Lloyd + Glennis Carrey

Well Street Address Sorenson rd

City Ell. County Kittitas

Location NW 1/4 NW 4 Sec 27 T17N R 19W WWM or circle one

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

Still **REQUIRED** Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. 171927054 0002

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
topsoil Br. m	0	4
Sandy Clay Sand Brms	4	15
Cem grav. Black Br m	15	24
Sandstone br gr. gry	24	30
Clay Br. m	30	44
Sandstone clay br. m	44	49
Sandstone Br m	49	53
Sandstone Clay br. m	53	68
Sandstone w Br. m	68	77

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 OCT 01 2010

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 8/30/2010 Completed Date 9/8/2010

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) Steve Mills  
 Driller/Engineer/Trainee Signature \_\_\_\_\_  
 Driller or trainee License No. 1335

Drilling Company Water man well Drilling Inc  
 Address P.O. Box 276  
 City, State, Zip Selah wa 98942

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

Contractor's Registration No. WATERMW9420A Date 9/8/2010  
 Ecology is an Equal Opportunity Employer.



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

Please print, sign and return to the Department of Ecology



# Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

**Construction/Decommission**  
 Construction 296304  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

**Current**  
 Notice of Intent No. W186996  
 Unique Ecology Well ID Tag No. APG 971  
 Water Right Permit No. \_\_\_\_\_  
 Property Owner Name Bod Ingersoll  
 Well Street Address 6750 Denmark  
 City Ell. County Kittitas  
 Location SW 1/4 NW 1/4 Sec 35 Twp 17 R 19  EWM or WWM  circle one  
 Lat/Long (s, t, r) \_\_\_\_\_ Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 still REQUIRED ) Long Deg \_\_\_\_\_ Long Min/Sec E  
 Tax Parcel No. 1719 35050 0004

PROPOSED USE: <input type="checkbox"/> DeWater <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Other _____	
TYPE OF WORK: Owner's number of well (if more than one), _____ <input checked="" type="checkbox"/> New well <input type="checkbox"/> Reconditioned <input type="checkbox"/> Deepened Method: <input type="checkbox"/> Dug <input type="checkbox"/> Bored <input type="checkbox"/> Driven <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Jetted	
DIMENSIONS: Diameter of well <u>6</u> inches, drilled <u>205</u> ft. Depth of completed well <u>205</u> ft.	
CONSTRUCTION DETAILS Casing: <input checked="" type="checkbox"/> Welded <u>6</u> " Diam. from <u>+3</u> ft. to <u>162</u> ft. Installed: <input type="checkbox"/> Liner installed <u>4</u> " Diam. from <u>-10</u> ft. to <u>205</u> ft. <input type="checkbox"/> Threaded _____ Diam. from _____ ft. to _____ ft.	
Perforations: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Type of perforator used <u>skill saw</u> SIZE of perfs <u>8"</u> in. by <u>6</u> in. and no. of perfs <u>132</u> from <u>162</u> ft. to <u>205</u> ft.	
Screens: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel/sand _____ Materials placed from _____ ft. to _____ ft.	
Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To what depth? <u>120</u> ft. Material used in seal <u>Benonite</u> Did any strata contain unusable water? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 <u>118</u> ft. below top of well Date _____ 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 _____ <u>Approx 42 gpm</u> Date of test <u>Air Log</u> Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs. Airstest _____ gal./min. with stem set at <u>200'</u> ft. for <u>2w</u> hrs. Artesian flow _____ g.p.m. Date _____ Temperature of water _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> 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
topsoil Br. m	0	3
Cl. Che. Sandstone w.g. m#	3	11
Sandstone w. clay Br. m	11	21
Sandstone Clay les Br. m	21	26
Sandstone maly c. m#	26	69
Sandstone w. grav. w. m. m	69	83
Sandstone Br. m#	83	121
Clay Br. m	121	131
Sandstone Br. m#	131	169
Sandstone m. color m	169	205

Start Date 4/1/08 Completed Date 4/1/08

**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) Steve Mills Drilling Company Waterman Well Drilling Inc  
 Driller/Engineer/Trainee Signature \_\_\_\_\_ Address 4013x246  
 Driller or trainee License No. 1335 City, State, Zip Selah WA 98942  
 Contractor's Registration No. WATERMWA20A Date 4/2/08  
 Ecology is an Equal Opportunity Employer. ECY-050-1-20 (Rev 2/03)

**IF TRAINEE.**  
 Driller's Licensed No. \_\_\_\_\_  
 Driller's Signature \_\_\_\_\_



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

Please print, sign and return to the Department of Ecology



### Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

Construction/Decommission **348307**  
 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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

**DIMENSIONS:** Diameter of well 6 inches, drilled \_\_\_\_\_ ft.  
 Depth of completed well \_\_\_\_\_ ft.

**CONSTRUCTION DETAILS**  
 Casing  Welded  Diam. from 12 ft. to 110 ft.  
 Installed:  Liner installed 4 1/2 ft. Diam. from 9 1/2 ft. to 210 ft.  
 Threaded  Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used: SKULLSAW  
 SIZE of perfs 1/2 in. by 6 in. and no. of perfs 150 from 0 ft. to 210 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 2 ft.  
 Material used in seal BENTONITE  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

**PUMP:** Manufacturer's Name \_\_\_\_\_ H.P. \_\_\_\_\_

**WATER LEVELS:** Land surface elevation above mean sea level \_\_\_\_\_ ft.  
 Static level 15 ft. below top of well. Date 9/27/04  
 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)  

Time	Water Level	Time	Water Level	Time	Water Level

 Date of test \_\_\_\_\_  
 Bailor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian 60 gal./min. with stem set at 300 ft. for 2 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Current Notice of Intent No. W-177183  
 Unique Ecology Well ID Tag No. ALF-204  
 Water Right Permit No. \_\_\_\_\_  
 Property Owner Name LARRY SHEARER  
 Well Street Address JENNY LN  
 City E-BURG County KETTAS  
 Location SW 1/4 SE 1/4 Sec 38 Twp 17 R 19 EWM  circle of one.  
 Lat/Long (s, t, r) Lat Deg 35 Lat Min/Sec \_\_\_\_\_  
 still REQUIRED ) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_  
 Tax Parcel No. 171935000-0038

#### 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
DIRT	0	2
HARD PAN - CLIFFS	2	8
SANDSTONE + BROWN CLAY	8	38
BROWN CLAY	38	78
BROWN CLAY + GRAVEL	78	90
BROWN SANDSTONE	90	127
SANDSTONE + BROWN CLAY	127	186
BROWN SANDSTONE	186	202
SANDSTONE - GRAVEL - WATER	202	210

**RECEIVED**

**AUG 19 2009**

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 9/25/04 Completed Date 9/27/04

**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) CHRIS W. WAINSLAY  
 Driller/Engineer/Trainee Signature [Signature]  
 Driller or trainee License No. 2428

Drilling Company HEDDEN KUELS DRILLING  
 Address P.O. Box 993  
 City, State, Zip SEAH, WA 98942  
 Contractor's Registration No. HEDDEN/00103 Date 9/27/04  
 Ecology is an Equal Opportunity Employer. ECY 05U-1-20 (Rev. 2/03)

**IF TRAINEE:**  
 Driller's License No. \_\_\_\_\_  
 Driller's Signature \_\_\_\_\_



# WATER WELL REPORT

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

Construction/Decommission (x in circle)

Construction 136341  
 Decommission ORIGINAL CONSTRUCTION Notice  
of Intent Number \_\_\_\_\_

CURRENT

Notice of Intent No W 149587

Unique Ecology Well ID Tag No AFH 997

Water Right Permit No \_\_\_\_\_

Property Owner Name ABSOLUTE BUILDERS

Well Street Address Emerson rd E

City Elleensburg County Kittitas

Location S 2 1/4 1/4 NE 1/4 Sec 27 Twn 17 R 19 <sup>EWM circle</sup> or one WWM

Lat/Long (s t r still) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No 17 19 27000 002S

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  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS Diameter of well 6 inches drilled 124 ft  
Depth of completed well 124 ft

CONSTRUCTION DETAILS  
Casing  Welded 6 Diam from +2 ft to 104 ft  
Installed  Liner installed \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Threaded \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Perforations  Yes  No  
Type of perforator used \_\_\_\_\_

SIZE of perfs \_\_\_\_\_ in by \_\_\_\_\_ in and no of perfs \_\_\_\_\_ from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Screens  Yes  No  K Pac Location \_\_\_\_\_  
Manufacturer's Name \_\_\_\_\_  
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 \_\_\_\_\_  
Materials placed from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Surface Seal  Yes  No To what depth? 18 ft  
Materials used in seal Bentonite

Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

PUMP Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ HP \_\_\_\_\_

WATER LEVELS Land surface elevation above mean sea level \_\_\_\_\_ ft  
Static level +2 ft below top of well Date 8-1-03  
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  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

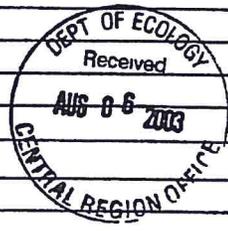
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)  
Time Water Level Time Water Level Time Water Level  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Date of test \_\_\_\_\_

Bailer test \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Airtest 30 gal/min with stem set at 102 ft for 2 hrs  
Artesian flow \_\_\_\_\_ gpm Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
Top Soil - Brown	0	4
Sandy Brown clay	4	25
gray clay & gravel	25	29
Sandy Brown clay & gravel	29	39
Brown Sandstone	39	50
Sandy Brown clay	50	55
Brown Sandstone	55	75
Sandy Brown clay	75	95
Brown Sandstone	95	119
Light Brown Sandstone	119	124



Start Date 7-31-03 Completed Date 8-01-03

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

Driller  Engineer  Trainee Name (Print) Robert Lee

Driller/Engineer/Trainee Signature Robert Lee

Driller or Trainee License No 2675

If trainee, licensed driller s \_\_\_\_\_  
Signature and License no \_\_\_\_\_

Drilling Company Waterman Well Drilling

Address 206 Berniman Lane

City State Zip Selah wa 98942

Contractors Registration No Waterman DB 8-01-03

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

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

120946 **WATER WELL REPORT**  
STATE OF WASHINGTON

Notice of Intent 130298  
UNIQUE WELL I.D. # AGB-244

Water Right Permit No \_\_\_\_\_

(1) OWNER Name STEVE OVERSBY Address 1320 EMERSON RD ELLensburg, WA  
 (2) LOCATION OF WELL County Kittitas SW 1/4 NW 1/4 Sec 27 T 17 N R 19 WM  
 (2a) STREET ADDRESS OF WELL (or nearest address) \_\_\_\_\_  
 TAX PARCEL NO \_\_\_\_\_

(3) PROPOSED USE  Domestic  Industrial  Municipal  
 Irrigation  Test Well  Other  
 DeWater  
 (4) TYPE OF WORK Owner's number of well (if more than one) \_\_\_\_\_  
 New Well Method \_\_\_\_\_  
 Deepened  Dug  Bored  
 Reconditioned  Cable  Driven  
 Decommission  Rotary  Jetted

(5) DIMENSIONS Diameter of well 6 inches  
 Drilled 110 feet Depth of completed well 110 ft

(6) CONSTRUCTION DETAILS Casing installed  
 Welded 6 Diam from 12 ft to 50 ft  
 Liner installed 4 1/2 Diam from 30 ft to 110 ft  
 Threaded \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Perforations  Yes  No  
 Type of perforator used SKULLSAW  
 SIZE of perforations 1/4 in by 6 in  
60 perforations from 70 ft to 110 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? 34 ft  
 Material used in seal BEAUMONITE  
 Did any strata contain unusable water?  Yes  No  
 Type of water? RED Depth of strata 19-34  
 Method of sealing strata off CASED

(7) PUMP Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ HP \_\_\_\_\_

(8) WATER LEVELS Land surface elevation above mean sea level \_\_\_\_\_ ft  
 Static level \_\_\_\_\_ ft below top of well Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lbs per square inch Date \_\_\_\_\_  
 Artesian water is controlled by CAP & VALVE  
1 G.P.M. OVER THE TOP (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 60 gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Airtest 0 gal/min with 0 ft drawdown after 2 hrs  
 Artesian flow \_\_\_\_\_ gpm 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
<u>DIRT</u>	<u>0</u>	<u>19</u>
<u>Gravel-Water-Red</u>	<u>19</u>	<u>34</u>
<u>Cemented Gravel</u>	<u>34</u>	<u>38</u>
<u>BROWN CLAY</u>	<u>38</u>	<u>43</u>
<u>DARK BROWN SANDSTONE</u>	<u>43</u>	<u>47</u>
<u>Grey CLAY</u>	<u>47</u>	<u>50</u>
<u>BROWN CLAY-Gravel</u>	<u>50</u>	<u>75</u>
<u>SANDSTONE-Gravel-WATER</u>	<u>75</u>	<u>110</u>

RECEIVED  
 AUG 30 2002  
 DEPARTMENT OF ECOLOGY  
 CELL DRILLING UNIT  
 DEPT OF ECOLOGY  
 Received  
 SEP 5 2002  
 CENTRAL REGION  
 CON OFFICE  
 110

Work Started 12/10/01 Completed 12/11/01

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 Craig Williams License No 2428  
 (Licensed Driller/Engineer)  
 Trainee Name \_\_\_\_\_ License No \_\_\_\_\_  
 Drilling Company HIDDEN RIVERS DRILLING  
 (Signed) Craig Williams License No 2428  
 (Licensed Driller/Engineer)  
 Address \_\_\_\_\_  
 Contractors HIDDEN RIVERS DRILLING Date 12/24/01  
 Registration No \_\_\_\_\_  
 (USE ADDITIONAL SHEETS IF NECESSARY)

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

The Department of Ecology does NOT Warranty 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 132246  
 Decommission ORIGINAL CONSTRUCTION Notice of Intent Number \_\_\_\_\_

CURRENT Notice of Intent No W149570  
 Unique Ecology Well ID Tag No 06m 980  
 Water Right Permit No \_\_\_\_\_

Property Owner Name Valley Builders Inc E

Well Street Address 760 Emmerson rd

City Ell County Kittitas

Location SW 1/4 1/4 NW 1/4 Sec 27 Twn 17 R 19 EWM circle or one WWM

Lat/Long (s r still) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 REQUIRED Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No 17 19 27 000 0027

**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  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

**DIMENSIONS** Diameter of well 6 inches drilled 110 ft  
 Depth of completed well 110 ft

**CONSTRUCTION DETAILS**  
 Casing  Welded 6 Diam from 4 ft to 80 ft  
 Installed  Liner installed \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Threaded \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Perforations  Yes  No  
 Type of perforator used \_\_\_\_\_  
 SIZE of perfs \_\_\_\_\_ in by \_\_\_\_\_ in and no of perfs \_\_\_\_\_ from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Screens  Yes  No  K Pac Location \_\_\_\_\_  
 Manufacturer's Name \_\_\_\_\_  
 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Surface Seal  Yes  No To what depth? 50 ft  
 Materials used in seal Benonite + cement  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

**PUMP** Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ HP \_\_\_\_\_

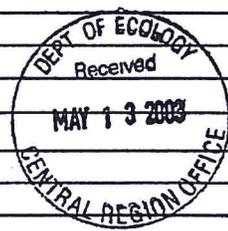
**WATER LEVELS** Land surface elevation above mean sea level \_\_\_\_\_ ft  
 Static level +4 ft below top of well Date \_\_\_\_\_  
 Artesian pressure 0 lbs per square inch Date 4/17/03  
 Artesian water is controlled by Flows About 1 gal per min (est.)

**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  
0 Apex 20 gpm Asst Left  
 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

**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
topsoil Br ms	0	4
Sandy top soil Br ms	4	23
Cem. Gravel Bl Br m#	23	35
Sandy clay gravel Tan m#	35	39
Sandstone Br m#	39	49
Clay Br m#	49	52
sandstone Br m#	52	75
Clay Br m	75	78
Sandstone Br m	78	110

Start Date 4/16/03 Completed Date 4/16/03



**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  
 Driller  Engineer  Trainee Name (Print) Steve Mills  
 Driller/Engineer/Trainee Signature [Signature]  
 Driller or Trainee License No 1335  
 If trainee, licensed driller's Signature and License no \_\_\_\_\_

Drilling Company Waterman Well Drill Inc  
 Address 106 Berriman lane  
 City State Zip Selah Wa 98942  
 Contractor's Registration No WATERW022DB  
 Ecology is an Equal Opportunity Employer ECY 050 1 20 (Rev 4/01)







The Department of Ecology does NOT Warranty 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 152763  
 Decommission ORIGINAL CONSTRUCTION Notice  
of Intent Number \_\_\_\_\_

CURRENT  
Notice of Intent No. W 171025  
Unique Ecology Well ID Tag No. AKJ 516  
Water Right Permit No. \_\_\_\_\_

Property Owner Name Les Sperline  
Well Street Address 1000 Emerson Rd

**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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

**DIMENSIONS:** Diameter of well 6 inches, drilled 115 ft.  
Depth of completed well 115 ft.

City Ellensburg County Kittitas  
Location NW 1/4- 1/4 SW 1/4 Sec 27 Twn 17 R 19 EWM circle or WWM  
Lat/Long: (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Long Min/Sec M  
Tax Parcel No. \_\_\_\_\_

**CONSTRUCTION DETAILS**  
Casing  Welded 6 " Diam. from +1 ft. to 83 ft.  
Installed:  Liner installed \_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Threaded \_\_\_\_\_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
Type of perforator used \_\_\_\_\_  
SIZE of perfs \_\_\_\_\_ in. by \_\_\_\_\_ in. and no. of perfs \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens:  Yes  No  K-Pac Location \_\_\_\_\_  
Manufacturer's Name \_\_\_\_\_  
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 \_\_\_\_\_  
Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 20 ft  
Materials used in seal Bentonite  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

**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
Soil	0	17
sand, gravel & h2o	17	33
Sand & clay	33	37
Sand, clay & gravel	37	45
Sand & clay	45	85
Sandstone & H2O	85	115

**PUMP:** Manufacturer's Name \_\_\_\_\_  
Type: \_\_\_\_\_ H.P. \_\_\_\_\_

**WATER LEVELS:** Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
Static level +4 ft. below top of well Date 7/8/04  
Artesian pressure 9 lbs. per square inch Date 7/8/04  
Artesian water is controlled by Well Seal  
(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)

Time	Water Level	Time	Water Level	Time	Water Level
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Date of test \_\_\_\_\_  
Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Airtest 20 gal./min. with stem set at 113 ft. for 1 hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Start Date 7/6/04 Completed Date 7/8/04

DEPT. OF ECOLOGY  
Received  
JUL 28 2004  
CENTRAL REGION OFFICE

**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) Vernon L Rank Drilling Company Water Wells Drilling  
Driller/Engineer/Trainee Signature Vernon L Rank Address 5503 Ahtanum Rd.  
Driller or Trainee License No. 0854 City, State, Zip Yakima, Wa. 98903  
Contractor's Registration No. Water WD1120 Date 7/9/04  
Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 4/01)

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

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

# Document



\* D O C U M E N T \*

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

Start Card No. 36396

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

# WATER WELL REPORT

UNIQUE WELL I.D. # AW-284

STATE OF WASHINGTON

Water Right Permit No. \_\_\_\_\_

(1) OWNER: Name Mike Mangels Address Rt. 2 Box 339, Ellensburg, WA 98926

(2) LOCATION OF WELL: County Kittitas SW 1/4 SW 1/4 Sec 27 T. 17 N. R. 19 W. 1/2

(2a) STREET ADDRESS OF WELL (if nearest address) Parcel 171927 000015

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

(4) TYPE OF WORK: Owner's number of well (if more than one) \_\_\_\_\_  
 Abandoned  New well  Method: Dig  Bored   
 Deepened  Cased  Driven   
 Reconditioned  Rotary  Jetted

(5) DIMENSIONS: Diameter of well 6 inches.  
 Drilled 160 feet. Depth of completed well 159 ft.

(6) CONSTRUCTION DETAILS:  
 Casing installed: 6 inch diam. from +1 ft. to 159 ft.  
 Welded  Liner installed  Threaded

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? 20 ft.  
 Material used in seal Bentonite  
 Did any strata contain unusable water? Yes  No   
 Type of water? Muddy Depth of strata 65  
 Method of sealing strata off Cased Off

(7) PUMP: Manufacturer's Name \_\_\_\_\_  
 Type: \_\_\_\_\_ H.P. \_\_\_\_\_

(8) WATER LEVELS: Land surface elevation \_\_\_\_\_  
 Static level 90 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 to nearest water level is less than initial static level  
 Was a pump test made? Yes  No  If yes, by whom? \_\_\_\_\_  
 Yield: 35 gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

### ESTIMATED AIRLIFT

Time	Water Level	Time	Water Level	Time	Water Level

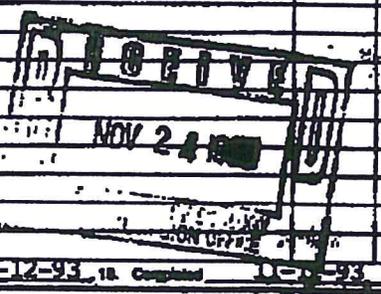
Recovery data (time taken to raise water level measured from well top to water level)  
 Date of test \_\_\_\_\_  
 Bailer test: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow: \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made? Yes  No

### (10) WELL LOG 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 stratum.

MATERIAL	FROM	TO
Soil, Sand	0	3
Sandy Clay, Brown	3	12
Small Gravel & Clay, Brown	12	25
Clay, Brown, Soft	25	109
Sandstone W/Small Clay, Brown	109	121
Clay, Brown & Sandstone	121	152
Small Gravels & Clay, Brown & Sandstone, Brown, Water	152	160

6" Drive Shoe Utilized



Work Started 11-12-93 10. Completed Dec-93 10

### 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 Pendergrass Drilling & Development, Inc.

Address E. 6010 Broadway, Spokane, WA 99212

(Signed) Brad Forman License No. 2100

Contractor's \_\_\_\_\_ (Brad Forman)

DATE 11-12-93 10

(USE ADDITIONAL SHEETS IF NECESSARY)



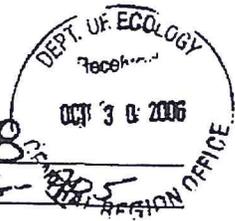






The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology



# Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

Construction/Decommission 210810

Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

Current Notice of Intent No. W212048  
 Unique Ecology Well ID Tag No. APG-1005  
 Water Right Permit No. \_\_\_\_\_  
 Property Owner Name TERRY FREEMAN  
 Well Street Address 4860 E-BURG LANTHES RD  
 City E-BURG County KENTON  
 Location NE 1/4 NE 1/4 Sec 26 Twn 17 R 19 EWM or WWM  circle one  
 Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 still REQUIRED ) Long Deg \_\_\_\_\_ Long Min/Sec B  
 Tax Parcel No. 19-1726050-0057

**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:  Dug  Bored  Driven  
 Deepened  Cahn'e  Rotary  Jetted

**DIMENSIONS:** Diameter of well 4 inches, drilled 270 ft.  
 Depth of completed well 270 ft.

**CONSTRUCTION DETAILS**  
 Casing  Welded 6" Diam. from 12 ft. to 68 ft.  
 Installed:  Liner installed 4 1/2" Diam. from 30 ft. to 270 ft.  
 Threaded \_\_\_\_\_ Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used SATURDAY  
 SIZE of perfs 6 in. by 14 in. and no. of perfs 200 from 180 ft. to 270 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 \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 20 ft.  
 Material used in seal BENTONITE  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

**PUMP:** Manufacturer's Name \_\_\_\_\_  
 Type: \_\_\_\_\_ H.P. \_\_\_\_\_

**WATER LEVELS:** Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
 Static level 160 ft. below top of well Date 5/25/06  
 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)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
 Bailor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest 10 gal./min. with stem set at 250 ft. for 1 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
DIRT	0	1
Brown Clay & Gravel	1	7
YELLOW CLAY	7	15
Yellow Clay & Gravel	15	45
Brown Clay & Gravel	45	92
Brown Clay & Gravel	92	106
Concrete	106	120
Brown Cemented Gravel	120	143
Brown Cemented Gravel	143	202
Brown Clay & Gravel	202	226
Brown Cemented Gravel	226	251
CLAY	251	270
Brown Clay Gravel	251	270
WATER	270	270

Start Date 5/22/06 Completed Date 5/25/06

**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) Garret Wamsley  
 Driller/Engineer/Trainee Signature [Signature]  
 Driller or trainee License No. 2428

Drilling Company HEADEN RIVERS DRILLING  
 Address P.O. BOX 993  
 City, State, Zip SEASIDE WA 98942

**IF TRAINEE:**  
 Driller's Licensed No. \_\_\_\_\_  
 Driller's Signature \_\_\_\_\_

Contractor's Registration No. HEADERS90K Date 9/25/06  
 Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2003)

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

WATER WELL REPORT  
STATE OF WASHINGTON

Start Card No. 437202  
Unique Well I.D. # ABL224  
Water Right Permit No.

(1) OWNER: Name **MOHLER, TOM** Address **4950 THORP HIGHWAY ELLENSBURG, WA 98926-**

(2) LOCATION OF WELL: County **MITTITAS** - NE 1/4 NE 1/4 Sec 26 T 17 N., R 19E WM  
(2a) STREET ADDRESS OF WELL (or nearest address),

(3) PROPOSED USE: **DOMESTIC** (10) WELL LOG

(4) TYPE OF WORK: Owner's Number of well (If more than one) 1  
**NEW WELL** Method: **ROTARY**  
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

(5) DIMENSIONS: Diameter of well 6 inches  
Drilled 165 ft. Depth of completed well 165 ft.

(6) CONSTRUCTION DETAILS:  
Casing installed: 6 " Dia. from +2 ft. to 165 ft. **WELDED**  
" Dia. from ft. to ft.  
" Dia. from ft. to ft.  
MATERIAL FROM TO  
TOPSOIL 0 5  
BROWN CLAY 5 40  
SANDY BROWN CLAY 40 60  
YELLOW CLAY 60 100  
SANDY CLAY WITH WATER 100 140  
BROWN SANDSTONE WITH WATER 140 165

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.  
Dia. slot size from ft. to ft.  
Dia. slot size from ft. to ft.

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

Surface seal: **YES** To what depth? 10 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 **OVERBORE**

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

(8) WATER LEVELS: Land-surface elevation  
above mean sea level ... ft.  
Static level 10 ft. below top of well Date 08/25/94  
Artesian Pressure lbs. per square inch Date  
Artesian water controlled by



Work started 08/24/94 Completed 08/25/94

(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 160 ft. for 1 hrs.  
Artesian flow p.p.m. Date  
Temperature of water Has 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 **PONDEROSA DRILLING**  
(Person, firm, or corporation) (Type or print)  
ADDRESS **E 5010 BROADWAY**  
[SIGNED] *[Signature]* License No. **8215**  
Contractor's  
Registration No. **PO-ND-EI-246JE** Date **08/30/94**

A





Date OCTOBER 17, 2002

Dear Well Driller

Please complete the attached well report(s) where highlighted and return to this office by NOV 1, 2002  
1/4-1/4, S, T, R, - VERIFY AND CORRECT THIS LOG  
They do not match TAX PARCEL #.

Erin Gutierrez  
Department of Ecology CRO  
15 W Yakima Ave , Ste 200  
Yakima WA 98902  
(509) 454-7206

2ND NOTICE

on this Well Report.





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

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. W087173  
UNIQUE WELL I.D. # ACL 138

Water Right Permit No. \_\_\_\_\_

(1) OWNER: Name Carl Wray Address 550 Lindgerd Ellensburg WA 98926

(2) LOCATION OF WELL: County Kittitas

(2a) STREET ADDRESS OF WELL (or nearest address) SW 1/4 NW 1/4 Sec. 34 T. 17 N. R. 19 W. 1/2 E

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

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

(5) DIMENSIONS: Diameter of well 10" 6" inches.  
Drilled 200 feet. Depth of completed well 200 ft.

(6) CONSTRUCTION DETAILS:  
Casing installed: 6" Diam. from +2 ft. to 130 ft.  
Welded  4 1/2" Diam. from -120 ft. to 200 ft.  
Liner installed  Threaded

Perforations: Yes  No   
Type of perforator used Skiff saw  
SIZE of perforations 6" long in. by 1/8" wide in.  
207 perforations from -160 ft. to -200 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 82' 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  
APRX 100 gpm  
AIR LIFT

Boiler 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 aquifer 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
Topsoil Brown m	0	2
Cemented Gravel Black Brown H	2	14
Sandy clay Brown m	14	27
clay Brown m	27	39
Sandstone Gray m	39	47
Clay Gray m	47	84
Sandstone w clay lenses Br. m	84	104
Sandstone w fine gravel Br. m	104	131
Sandstone Br. white m	131	135
Sandstone multi color. m	135	156
Sandstone Gray Br. m	156	169
Sandstone Brown m	169	180
Sandstone Brown m	180	200

Work Started 5/7/97 19. Completed 5/8/97 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 Water Man Well Drilling  
(PERSON, FIRM, OR CORPORATION) (SOLE OR PARTNER)  
Address 106 Berriman Ln Selah WA 98941  
(Signed) Steve Mills License No. 1335  
(WELL DRILLER)

Contractor's Registration No. WATERMWO6412 5/8/97 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) 407-8600. The TDD number is (206) 407-6008.

# WATER WELL REPORT

STATE OF WASHINGTON

Application No. ....

Permit No. ....

(1) OWNER: Name James E. Goodreau Address B-12 Brooklane village  
 (2) LOCATION OF WELL: County Y Tillamook J.W. 1/4 - N.W. 1/4 N.W. 1/4 Sec. 34 T.17 N., R.19 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 115 ft. Depth of completed well 115 ft.

(6) CONSTRUCTION DETAILS:  
 Casing installed: 6" Diam. from 0 ft. to 92 ft.  
 Threaded  " Diam. from ..... ft. to ..... ft.  
 Welded  " Diam. from ..... ft. to ..... ft.

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

Screens: Yes  No   
 Manufacturer's Name .....  
 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? 45 ft.  
 Material used in seal Cement & bentonite  
 Did any strata contain unusable water? Yes  No   
 Type of water? ..... Depth of strata .....  
 Method of sealing strata off .....

(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
Tepsil	0	6
Hardpan	6	23
Brown clay	23	76
Semi sandstone	76	92
gray clay	92	98
Sandstone	98	115
aquifer	115	

Work started 4-14, 1979. Completed 4-17, 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: Bach Drilling Co  
 (Person, firm, or corporation) (Type or print)

Address R 5 Box 1010 E Menstburg

(Signed) Lowell Begally  
 (Well Driller)

Date 4-17-79

*Lowell*  
4-17-79

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





# Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

## Construction/Decommission

Construction  
 Decommission *ORIGINAL INSTALLATION Notice of Intent Number* 168944

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

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

**DIMENSIONS:** Diameter of well 6 inches, drilled 345 ft.  
 Depth of completed well 345 ft.

**CONSTRUCTION DETAILS**  
 Casing  Welded 6" Diam. from 42 ft. to 205 ft.  
 Installed:  Liner installed \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Threaded \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used \_\_\_\_\_  
 SIZE of perfs \_\_\_\_\_ in. by \_\_\_\_\_ in. and no. of perfs \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens:  Yes  No  K-Pac Location \_\_\_\_\_  
 Manufacturer's Name \_\_\_\_\_  
 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 23 ft.  
 Material used in seal Bentonite  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

**PUMP:** Manufacturer's Name \_\_\_\_\_ H.P. \_\_\_\_\_  
 Type: \_\_\_\_\_

**WATER LEVELS:** Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
 Static level 80 ft. below top of well Date 3-3-05  
 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.  
 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

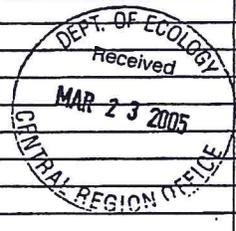
Date of test \_\_\_\_\_  
 Bailor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest 4 gal./min. with stem set at 340 ft. for 3 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Current Notice of Intent No. W170978  
 Unique Ecology Well ID Tag No. AKL785  
 Water Right Permit No. G4-25265P  
 Property Owner Name Ben Kern  
 Well Street Address Daynerd. G  
 City ell. County Kittitas  
 Location SW 1/4 DE 1/4 Sec 34 Twn 17R 19 <sup>EWM or WWM</sup>  circle one  
 Lat/Long (s, t, r) \_\_\_\_\_ Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
 still REQUIRED ) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_  
 Tax Parcel No. 171934 000 0003

**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
<u>TOP Soil</u>	<u>0</u>	<u>1</u>
<u>Brown sandstone + gravel</u>	<u>1</u>	<u>10</u>
<u>Tan sandstone</u>	<u>10</u>	<u>30</u>
<u>Tan sandstone + clay</u>	<u>30</u>	<u>85</u>
<u>Tan sandstone + gravel</u>	<u>85</u>	<u>120</u>
<u>light Brown sandstone</u>	<u>120</u>	<u>205</u>
<u>Brown sandstone m</u>	<u>205</u>	<u>280</u>
<u>Mult. colored Sandstone</u>	<u>280</u>	<u>325</u>
<u>light Tan sandstone multi color water</u>	<u>325</u>	<u>345</u>

Start Date 3-1-05 Completed Date 3-3-05



**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) Mike Morefield  
 Driller/Engineer/Trainee Signature Mike Morefield  
 Driller or trainee License No. 2361

Drilling Company Water Man Well Drillings Inc  
 Address PO Box 246  
 City, State, Zip Selah wa 98942

**IF TRAINEE.**  
 Driller's Licensed No. \_\_\_\_\_  
 Driller's Signature \_\_\_\_\_

Contractor's Registration No. WATERW002203 3/4/05  
 Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

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







The Department of Ecology does NOT Warranty 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 13222  
 Decommission ORIGINAL CONSTRUCTION Notice of Intent Number \_\_\_\_\_

CURRENT Notice of Intent No W-163772  
 Unique Ecology Well ID Tag No ARKW568  
 Water Right Permit No \_\_\_\_\_

Property Owner Name Cynthia Mess D

Well Street Address 6340 Thrall Rd

City Ellensburg County KITTITAS

Location NW 1/4 1/4 NW 1/4 Sec 35 Twn 17 R. 19 circle or one WWM

Lat/Long (s, t r still) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

REQUIRED Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No 17-19-35000-0024

PROPOSED USE  Domestic  Industrial  Municipal  
 DeWater  Irrigation  Test Well  Other \_\_\_\_\_

TYPE OF WORK Owners number of well (if more than one) \_\_\_\_\_  
 New Well  Reconditioned Method  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS Diameter of well 6 inches drilled 235 ft  
 Depth of completed well 235 ft

CONSTRUCTION DETAILS  
 Casing  Welded 6 Diam from 12 ft to 114 ft  
 Installed  Liner installed 4 1/2 Diam from 95 ft to 235 ft  
 Threaded \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Perforations  Yes  No  
 Type of perforator used SKILL SAW  
 SIZE of perfs 1/4 in by 6 in and no of perfs 60 from 195 ft to 235 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Surface Seal  Yes  No To what depth? 20 ft  
 Materials used in seal Bentonite  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

PUMP Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ HP \_\_\_\_\_

WATER LEVELS Land surface elevation above mean sea level \_\_\_\_\_ ft  
 Static level 22 ft below top of well Date 4.29.03  
 Artesian pressure \_\_\_\_\_ lbs per square inch Date \_\_\_\_\_  
 Artesian water is controlled by \_\_\_\_\_ (cap valve etc)

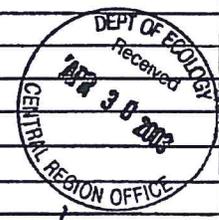
WELL TESTS Drawdown is amount water level is lowered below static level  
 Was a pump test made?  Yes  No If yes by whom? \_\_\_\_\_  
 Yield \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Yield \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Yield \_\_\_\_\_ 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 60 gal/min with stem set at 235 ft for 2 hrs  
 Artesian flow \_\_\_\_\_ g p m Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
DIRT	0	5
Reddish Brown clay	5	26
Reddish Brown sandstone clay	26	64
SS clay Gravel	64	76
Dark Brown clay	76	84
Sandstone dark Brown clay	84	93
SS Gravel	93	104
Brown clay SS	104	113
SS Brown clay	113	118
Hard Brown SS Gravel	118	144
Tan clay SS Gravel	144	146
Brown clay white SS	146	157
Dark Brown SS	157	165
Tan clay SS	165	168
Tan clay	168	173
Brown hard clay SS	173	192
Grey clay	192	202
White Brown SS	202	235



Start Date 4/29/03 Completed Date 4/29/03

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

Driller  Engineer  Trainee Name (Print) Craig Wampsey Drilling Company Hidden Rivers Drilling  
 Driller/Engineer/Trainee Signature \_\_\_\_\_ Address 1450 Gibson Rd  
 Driller or Trainee License No Hidden 0000000000 City State Zip SELAH W.A 98947

If trainee, licensed driller's \_\_\_\_\_ Contractor's  
 Signature and License no \_\_\_\_\_ Registration No 2428 Date 4/29/03



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

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

127370

# WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No

Notice of Intent W155364  
UNIQUE WELL ID # AHK606

(1) OWNER Name PAUL RUX Address P O BOX 414, GRAHAM, WA 98338

(2) LOCATION OF WELL County KITTITAS NW 1/4 1/4 Sec 35 T 17 N R 19 WM

(2a) STREET ADDRESS OF WELL (or nearest address) DENMARK RD ELLENSBURG

TAX PARCEL NO 17 19-35051-00003

C, D, E, F

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

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

(5) DIMENSIONS Diameter of well 6 inches  
Drilled 202 feet Depth of completed well 202 ft

(6) CONSTRUCTION DETAILS Casing Installed  
 Welded 6 Diam from +3 ft to 177 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  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? 20 ft  
Material used in seal BENTINITE  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

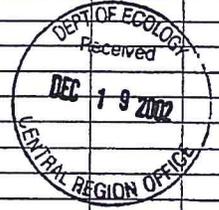
(7) PUMP Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ HP \_\_\_\_\_

(8) WATER LEVELS Land-surface elevation \_\_\_\_\_ ft  
above mean sea level \_\_\_\_\_ ft  
Static level 40 ft below top of well Date 10/2/2002  
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  
Artest 35 gal/min with stem set at 177 ft for 1 hrs  
Artesian flow \_\_\_\_\_ g p m Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analyses 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 or information indicate all water encountered

MATERIAL	FROM	TO
SOIL	0	3
CLAY	3	5
SANDSTONE AND CLAY	5	155
SANDSTONE AND CLAY LAYERS	155	202
35 GPM @ 177		
30 GPM @ 120		
18 GPM @ 80		



Work Started 10/2/2002 19 Completed 10/2/2002 19

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 Pnnt Name TOM MCGUIRE License No 0357  
(Licensed Driller/Engineer)

Trainee Name \_\_\_\_\_ License No \_\_\_\_\_

Drilling Company RICK POULIN WELL DRILLING

(Signed) Tom McGuire License No 0357  
(Licensed Driller/Engineer)

Address 1301 LANCASTER RD SELAH, WA 98942

Contractor's Registration No RICKPWD042J2 Date 10/3/2002 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 (360) 407 6600 The TDD number is (360) 407-6006

# WATER WELL REPORT

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

Construction/Decommission (x in circle) 127381  
 Construction  
 Decommission ORIGINAL CONSTRUCTION Notice of Intent Number \_\_\_\_\_

CURRENT Notice of Intent No W-154539  
 Unique Ecology Well ID Tag No AGB-274  
 Water Right Permit No \_\_\_\_\_

Property Owner Name GARY FREDRICK

Well Street Address SENTE DRIVE

City EMENSBURG County KITTITAS

Location N 1/4 1/4 NE 1/4 Sec. 35 Twn 17 R. 19  SWM or  WWM

Lat/Long (s tr still) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No 17-19-35000-6004

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  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS -Diameter of well- 6 inches drilled 215 ft  
 Depth of completed well 215 ft

CONSTRUCTION DETAILS  
 Casing  Welded 6 Diam from 72 ft to 107 ft  
 Installed  Liner installed 472 Diam from 95 ft to 215 ft  
 Threaded \_\_\_\_\_ Diam from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Perforations  Yes  No  
 Type of perforator used SALUBAN  
 SIZE of perfs 1/4 in by 6 in and no. of perfs 40 from 195 ft to 215 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Surface Seal  Yes  No To what depth? 20 ft  
 Materials used in seal BENTONITE  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

PUMP Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ HP \_\_\_\_\_

WATER LEVELS Land surface elevation above mean sea level \_\_\_\_\_ ft  
 Static level 13 ft below top of well Date 7/3/02  
 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)  
 Time Water Level Time Water Level Time Water Level  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
 Date of test \_\_\_\_\_  
 Bailer test \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Airtest 65 gal/min with stem set at 200 ft for 2 hrs  
 Artesian flow \_\_\_\_\_ g p m Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
DIRT	0	2
TAN CLAY	2	53
SANDSTONE Brown	53	110
SANDSTONE & CLAY	110	160
Grey CLAY	160	167
TAN CLAY - SAND	167	175
Grey CLAY	175	183
SANDSTONE	183	188
Grey CLAY	188	192
TAN CLAY - GRAVEL	192	215
WATER		



Start Date 7/1/02 Completed Date 7/3/02

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) Cathy Wamsley Drilling Company HIDDEN RIVERS DRILLING

Driller/Engineer/Trainee Signature Cathy Wamsley Address P.O. BOX 993

Driller or Trainee License No 2428 City State Zip SELANA, WA 98942

If trainee, licensed driller's Signature and License no \_\_\_\_\_ Contractor's Registration No HIDDEN RIVERS Date 7/3/02  
 Ecology is an Equal Opportunity Employer ECY 050 1 20 (Rev 4/01)

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



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

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

# 90572 WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W 109996  
UNIQUE WELL ID # AFH 854

DENMARK ROAD

Water Right Permit No \_\_\_\_\_

(1) OWNER Name John Williams Address DENMARK Rd.

(2) LOCATION OF WELL County Kittitas '00 00 00 00 1/4 SE 1/4 NE 1/4 Sec 35 T 18 N R 19 WM

(2a) STREET ADDRESS OF WELL (or nearest address) \_\_\_\_\_

TAX PARCEL NO \_\_\_\_\_

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

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

(5) DIMENSIONS Diameter of well 6 inches  
Drilled 204 feet Depth of completed well 204 ft

(6) CONSTRUCTION DETAILS  
Casing installed  
 Welded 6 Diam from 0 ft to 204 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? 20' 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 12.5 ft below top of well Date 8-17-2000  
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? \_\_\_\_\_  
Yield \_\_\_\_\_ gal /min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Yield \_\_\_\_\_ gal /min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Yield \_\_\_\_\_ gal /min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)  
Time Water Level Time Water Level Time Water Level  
\_\_\_\_\_  
Date of test \_\_\_\_\_  
Bailer test \_\_\_\_\_ gal /min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Airstest 15-20 gal /min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
Artesian flow \_\_\_\_\_ gpm Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

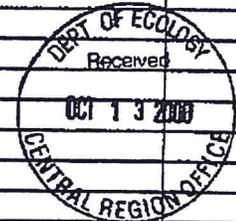
(10) WELL LOGS or DECOMMISSIONING PROCEDURE DESCRIPTION  
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered

MATERIAL	FROM	TO
Black soil	0	3
White Clay soil	3	26
Brown Cement and Gravel	26	106
Brown Clay	106	190
Brown Sand Rock with water	190	204

RECEIVED

OCT 10 2000

DEPARTMENT OF ECOLOGY  
WELL DRILLING UNIT



Work Started 8/6 2000 Completed 8/17 2000

### 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 \_\_\_\_\_ License No \_\_\_\_\_  
(Licensed Driller/Engineer)

Trainee Name \_\_\_\_\_ License No \_\_\_\_\_

Drilling Company Bach Drilling Co.

(Signed) Mike Bach License No 22  
(Licensed Driller/Engineer)

Address 3340 W. 150th Cr. Rd, Ellensburg

Contractor's Registration No MIKE BPC13304 Date 9-5-2000

(USE ADDITIONAL SHEETS IF NECESSARY)

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









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

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 W151109

UNIQUE WELL ID # AGG 198

Water Right Permit No. 98926

10159S

(1) OWNER Name Maurice Miller Address 552 Dodge Rd, Ellensburg, Wa

(2) LOCATION OF WELL County Kittitas SW 1/4 SW 1/4 Sec 35 T17 NR 19 E W/M

(2a) STREET ADDRESS OF WELL (or nearest address) 4th parallel

TAX PARCEL NO 17-19-35052-0003 N

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

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

(5) DIMENSIONS  
 Diameter of well 6 inches  
 Drilled 200 feet    Depth of completed well 200 ft

(6) CONSTRUCTION DETAILS  
 Casing Installed  
 Welded    6 :    Diam from +2 ft to 158 ft  
 Liner installed  
 Threaded

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 \_\_\_\_\_  
 Static level 147 ft below top of well    Date 7/19/01  
 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  
 Yield \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Yield \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs

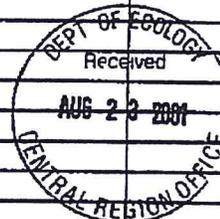
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
 Bafer test \_\_\_\_\_ gal/min with \_\_\_\_\_ ft drawdown after \_\_\_\_\_ hrs  
 Airtest 23 gal/min with 4 ft drawdown after 4 hrs  
 Artesian flow \_\_\_\_\_ gpm    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
Top Soil	0	2
Caliche	3	12
Sandy Brown Clay	12	68
Sticky Clay	68	104
Dry Hard Clay	104	144
Soft Sand Stone	144	165
Soft Sand Stone & water	165	200



Work Started 7/19/01 Completed 7/20/01

### 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 Aitch Mathews License No. 1267  
 (Licensed Driller/Engineer)

Trainee Name \_\_\_\_\_ License No. \_\_\_\_\_

Drilling Company Mathews Drilling

(Signed) Mathews License No. 1267  
 (Licensed Driller/Engineer)

Address 2317 Rd 102 NE Mil Wa

Contractor's Registration No. MATHEDC11786 Date 7/20/01

(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.

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

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

70178

# WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W109669

UNIQUE WELL I.D. # ACX-44

Water Right Permit No. \_\_\_\_\_

(1) OWNER: Name Rodger Clise Address 7152 330 Pl. SE Fall City

(2) LOCATION OF WELL: County Kittitas SW 1/4 SW 1/4 Sec 35 T 17 N R 19

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

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

### (10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Topsoil	0	2'
Broken clay + sandstone	2'	81'
Sandstone - brown with clay layers	81'	94'
Sandstone - pinkish white	94'	107'
Sandstone - brown (sandy) a	107'	120'

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

(5) DIMENSIONS: Diameter of well 2 1/2" x 6" x 9" inches.  
Drilled 120 feet. Depth of completed well 120' ft.

(6) CONSTRUCTION DETAILS:  
Casing installed: 6 ft. Diam. from +2 ft. to 98' ft.  
Welded  Diam. from 50' ft. to 120' ft.  
Linear installed  Threaded

Perforations: Yes  No   
Type of perforator used Skill - 340  
SIZE of perforations 5/8" in. by 7" in.  
40 perforations from 100' ft. to 120' ft.

Screens: Yes  No   
Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ Model No. \_\_\_\_\_  
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 Beatonite  
Did any strata contain unusable water? Yes  No   
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

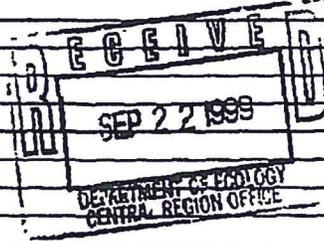
(7) PUMP: Manufacturer's Name \_\_\_\_\_  
Type: \_\_\_\_\_ H.P. \_\_\_\_\_

(8) WATER LEVELS: Land surface elevation above mean sea level \_\_\_\_\_ ft.  
Static level 44' ft. below top of well Date 9/15/99  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Artesian water is controlled by \_\_\_\_\_ (Cap. valve, etc.)

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

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.  
Artest 60' gal./min. with stem set at 115 ft. for \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made? Yes  No



Work Started 9/14 19. Completed 9/15 1999

### 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 Waterman Well Drilling Inc.  
(PERSON, FIRM OR CORPORATION) (TYPE OR SIGN)

Address 106 Berriman Ln Selah WA 98941

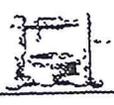
(Signed) Kelley C. G. License No. 1217  
(WELL DRILLER)

Contractor's Registration No. WATERMWDG22DB 9/16/99

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-8600. The TDD number is (206) 407-8008.

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



# WELL LOG CHANGE FORM

Instructions: Record any change made to the well log record on this form  
Then always append this form to the well log image File with the original

WCL Log ID (Required) \_\_\_\_\_ Well Log ID \_\_\_\_\_

Regional Office:  CRO  ERO  NWRO  SWRO

Type of Well:  Water  Resource

Notice of Intent \_\_\_\_\_ Ecology Well ID Tag No. ACX 644

Property (Well) Owner's Name \* \_\_\_\_\_

Well Street Address \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ Zip Code \_\_\_\_\_

Location. 1/4-1/4 1/4 Sec \_\_\_\_\_ Twn \_\_\_\_\_ R \_\_\_\_\_ E or W (Circle One)

Lat /Long (Required) Lat Deg \_\_\_\_\_ Lat. Min/Sec \_\_\_\_\_

Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Horizontal Collection Method Code \_\_\_\_\_

Tax Parcel No \_\_\_\_\_

Type of Work.  New Well  Reconditioned  Deepened  Decommission

Well Log Received Date 1/1

Well Diameter \_\_\_\_\_ (in inches) Well Depth \_\_\_\_\_ (in feet) Well Completed Date 1/1

Driller's Ecology License No. \_\_\_\_\_

Trainee's Ecology License No \_\_\_\_\_

Reason/Source of Change (Required) Additional information  
from WCL Data Base

Signature of Well Log Tracker (Required) Peg Plummer Date 3/13/03









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

Please print, sign and return to the Department of Ecology



# Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

## Construction/Decommission

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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 390 ft.  
 Depth of completed well 390 ft.

CONSTRUCTION DETAILS  
 Casing  Welded 6 " Diam. from 12 ft. to 308 ft.  
 Installed:  Liner installed 4 1/2 " Diam. from 290 ft. to 390 ft.  
 Threaded " Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used SKRUSAW  
 SIZE of perfs 6 in. by 1/4 in. and no. of perfs 50 from 290 ft. to 390 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 20 ft.  
 Material used in seal \_\_\_\_\_  
 Did any strata contain unusable 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 \_\_\_\_\_  
 Static level 104 ft. below top of well Date 9/29/05  
 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.  
 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 10+ gal./min. with stem set at 320 ft. for 2 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Current Notice of Intent No. W-184040

Unique Ecology Well ID Tag No. ACL-820

Water Right Permit No. H

Property Owner Name JACK LACKEY

Well Street Address 1060 SKYVIEW LN

City E-BUELL County KENTON

Location SE 1/4-1/4 NE 1/4 Sec 34 Twp 17 R 20  EWM  or  WWM  circle one

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

still REQUIRED ) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. 171934000-0047

### CONSTRUCTION OR DECOMMISSION PROCEDURE

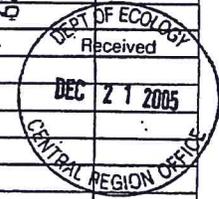
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
<u>DIRT</u>	<u>0</u>	<u>2</u>
<u>BROWN CLAY &amp; GRAVEL</u>	<u>2</u>	<u>12</u>
<u>BROWN CLAY</u>	<u>12</u>	<u>38</u>
<u>BROWN SS + CLAY</u>	<u>38</u>	<u>147</u>
<u>HARD BROWN SANDSTONE</u>	<u>147</u>	<u>228</u>
<u>YELLOWISH HAZY CLAY + SS</u>	<u>228</u>	<u>268</u>
<u>BROWN SANDSTONE CLAY</u>	<u>268</u>	<u>290</u>
<u>YELLOW CLAY SANDSTONE</u>	<u>290</u>	<u>345</u>
<u>SANDSTONE BROWN CLAY</u>	<u>345</u>	<u>390</u>
<u>GRAVEL &amp; CLAY</u>		

RECEIVED

DEC 13 2005

DEPARTMENT OF ECOLOGY  
WELL DRILLING UNIT



Start Date 9/27/05 Completed Date 9/29/05

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) CRISTO WANSLEY  
 Driller/Engineer/Trainee Signature \_\_\_\_\_  
 Driller or trainee License No. 02428

Drilling Company HEDDER ROBERTS DRILLING  
 Address P.O. Box 993  
 City, State, Zip SELMA, WA 98942

IF TRAINEE.  
 Driller's Licensed No. \_\_\_\_\_  
 Driller's Signature \_\_\_\_\_

Contractor's Registration No. HEDDER 9590K Date 9/29/05  
 Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)







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



# WATER WELL REPORT

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

Construction/Decommission ("x" in circle)

- Construction 177018
- Decommission ORIGINAL CONSTRUCTION Notice of Intent Number \_\_\_\_\_

CURRENT

Notice of Intent No. W186951

Unique Ecology Well ID Tag No. ALF361

Water Right Permit No. \_\_\_\_\_

Property Owner Name Randy Bilgay

Well Street Address Denmark

City Ellensburg County: Kittitas

Location NE 1/4 NE 1/4 Sec 34 Twn 17 R 11 EWM circle or one WWM

Lat/Long: Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

(s, r still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. 1719340000038 A

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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 225 ft.  
 Depth of completed well 225 ft.

CONSTRUCTION DETAILS  
 Casing  Welded 6" Diam. from 12 ft. to 58 ft.  
 Installed:  Liner installed 4" Diam. from 8 ft. to 225 ft.  
 Threaded \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforations:  Yes  No  
 Type of perforator used skill saw  
 SIZE of perfs 7 in. by 1/4 in. and no. of perfs 350 from 180 ft. to 225 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 \_\_\_\_\_  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 20 ft.  
 Materials used in seal Bentonite  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_

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

WATER LEVELS: Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
 Static level 130 ft. below top of well Date 7-17-05  
 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.  
 Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

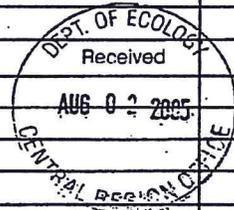
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
 Bailor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest 30 gal./min. with stem set at 220 ft. for 2 1/2 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  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
TOP Soil	0	3
Brown cobbles	3	10
Brown sandstone hard	10	60
Tan Brown sandstone	60	125
Tan multi-color sandstone	125	165
Tan sandstone water	165	220
Tan white sandstone water	165	225



Start Date 7-11-05 Completed Date 7-12-05

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) Mike Morefield Drilling Company Waterman Well Drilling Inc

Driller/Engineer/Trainee Signature Mike Morefield Address PO Box 246

Driller or Trainee License No. 2361 City, State, Zip Swan wa 98942

If trainee, licensed driller's Signature and License no. \_\_\_\_\_ Contractor's Registration No. WATERWDR220B 7/13/05

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

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

Please print, sign and return to the Department of Ecology



# Water Well Report

Original - Ecology, 1<sup>st</sup> copy - owner, 2<sup>nd</sup> copy - driller

## Construction/Decommission

Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number 144855

**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:  Dug  Bored  Driven  
 Deepened  Cable  Rotary  Jetted

**DIMENSIONS:** Diameter of well 6" inches, drilled 285 ft.  
Depth of completed well 285 ft.

**CONSTRUCTION DETAILS**  
Casing  Welded 6" Diam. from 12 ft. to 223 ft.  
Installed:  Liner installed " Diam. from " ft. to " ft.  
 Threaded " Diam. from " ft. to " ft.

Perforations:  Yes  No  
Type of perforator used Skid saw  
SIZE of perfs 2 in. by 1/4 in. and no. of perfs 150 from 220 ft. to 225 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 \_\_\_\_\_  
Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 55 ft.  
Material used in seal butyltic  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

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

**WATER LEVELS:** Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
Static level 200 ft. below top of well Date 4-4-06  
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)  
Time Water Level Time Water Level Time Water Level  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Date of test \_\_\_\_\_  
Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Airtest 30 gal./min. with stem set at 280 ft. for 2 hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Current Notice of Intent No. W 241922  
Unique Ecology Well ID Tag No. ALF 392  
Water Right Permit No. \_\_\_\_\_  
Property Owner Name John Reed P  
Well Street Address Denmark rd.  
City Ell County Kittitas  
Location S4-1/4 SW 4 Sec 24 Twn 7 R 19  
Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_  
Tax Parcel No. 171934000 00 00



## 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
top soil	0	5
Brown sandstone 1:1:1 gravel med	5	25
Brown sandstone	25	40
Brown sandstone 1:1:1 gravel	40	85
Brown sandstone & clay	85	145
lite tan sandstone Hard	145	225
lite tan sandstone med water	225	285
PUMP set at 265 feet 30 gal/min.		

Start Date 3-31-06 Completed Date 4-4-06

**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) Mike Monfield  
Driller/Engineer/Trainee Signature [Signature]  
Driller or trainee License No. 2361

Drilling Company Waterman Well Drilling  
Address PO Box 246  
City, State, Zip Stah wa 98942

**IF TRAINEE.**  
Driller's Licensed No. \_\_\_\_\_  
Driller's Signature \_\_\_\_\_

Contractor's Registration No. WATERW002208 Date 4/6/06  
Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)











58995

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. W090153  
 UNIQUE WELL I.D. # AEG 109

Water Right Permit No. \_\_\_\_\_

(1) OWNER: Name Ronald Diefenbach Address Payne Rd Ellensburg  
 (2) LOCATION OF WELL: County Kittitas SW 1/4 SE 34 T. 17 N. R. 19 W.M.  
 (2a) STREET ADDRESS OF WELL (or nearest address) \_\_\_\_\_

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

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

(5) DIMENSIONS: Diameter of well 6 inches.  
 Drilled 31.4 feet. Depth of completed well 36.4 ft.

(6) CONSTRUCTION DETAILS:  
 Casing installed: 6 Diam. from ± 2 ft. to 340 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? 36 ft.  
 Material used in seal Bentinite  
 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 \_\_\_\_\_ ft.  
 Static level 120 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: 20 gal./min. with 180 ft. drawdown after \_\_\_\_\_ hrs.  
 " 60T " 320 " " " " "

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

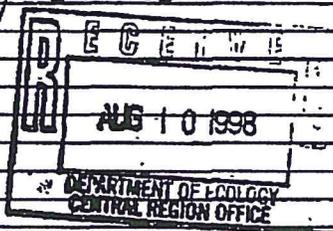
Time	Water Level	Time	Water Level	Time	Water Level

Date of test \_\_\_\_\_  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow \_\_\_\_\_ 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	0	5
Sandstone & Clay	5	60
Clay Tan	60	280
Sandstone & Shale Clay	280	305
Sandstone Layers	305	360
Clay Shale	360	364



Work Started 7-10 1998 Completed 7-13 1998

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 Rick Poulin Drilling  
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

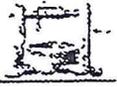
Address 1301 Lancaster Selah

(Signed) Rick Poulin License No. 942  
(WELL DRILLER)

Contractor's Registration No. RICKPWD042J2 Date 7-14 1998

(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) 407-8800. The TDD number is (206) 407-8008.



# WELL LOG CHANGE FORM

Instructions: Record any change made to the well log record on this form  
Then always append this form to the well log image File with the original

WCL Log ID (Required) \_\_\_\_\_ Well Log ID \_\_\_\_\_

Regional Office:  CRO  ERO  NWRO  SWRO

Type of Well:  Water  Resource

Notice of Intent \_\_\_\_\_ Ecology Well ID Tag No. \_\_\_\_\_

Property (Well) Owner's Name \_\_\_\_\_

Well Street Address \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ Zip Code \_\_\_\_\_

Location: \_\_\_\_\_ 1/4-1/4 \_\_\_\_\_ 1/4 Sec \_\_\_\_\_ Twn \_\_\_\_\_ R \_\_\_\_\_ E or W (Circle One)

Lat /Long (Required) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_

Long Deg \_\_\_\_\_ Long. Min/Sec \_\_\_\_\_

Horizontal Collection Method Code \_\_\_\_\_

Tax Parcel No \_\_\_\_\_

Type of Work  New Well  Reconditioned  Deepened  DECOMMISSION

Well Log Received Date \_\_\_/\_\_\_/\_\_\_

Well Diameter \_\_\_ (in inches) Well Depth \_\_\_ (in feet) Well Completed Date \_\_\_/\_\_\_/\_\_\_

Driller's Ecology License No \_\_\_\_\_

Trainee's Ecology License No \_\_\_\_\_

Reason/Source of Change (Required)

*Additional information from WCL Data Base*

Signature of Well Log Tracker (Required) *[Signature]* Date \_\_\_/\_\_\_/\_\_\_

ECY-WR-WLCF Rev 10/02/02

*AEQ 109*

*W090 153/ 58995*

*4/7/03*

