

Amendment

# WATER WELL REPORT

State of Washington Date Printed: 25-Aug-2011 Log No. 0  
 Construction / Decommission: Original Construction Notice  
 Construction Construction Notice

CURRENT  
 Notice of Intent No.: WE13349  
 Unique Ecology Well I.D. No. BCH021  
 Water Right Permit Number:  
 OWNER: NICHOLAS, ROBERT

OWNER ADD 25 BALLARD AVENUE  
 KETTLE FALLS, WA 99141

**PROPOSED USE: DOMESTIC**

**TYPE OF WORK:** Owners's Well Number: (If more than one well) 1  
**NEW WELL** Method: **ROTARY**

**DIMENSIONS:** Diameter of well: 6 inches  
 Drilled 47 ft. Depth of completed well 45 ft.

**CONSTRUCTION DETAILS:** Casing installed **WELDED**

Liner installed: 6 " Dia from +2 ft. to 45 ft.  
 " Dia from ft. to ft.  
 " Dia from ft. to ft.

**Perforations:** No Used In:  
 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:** 0 K-Pac Location:  
 Manufacture's Name  
 Type: Model No  
 Diam. slot size: from ft. to ft.  
 Diam. slot size: from ft. to ft.

**Gravel/Filter packed:** No Size of Gravel  
 Material placed fro ft. to ft.

**Surface seal:** Yes To what depth 18 ft.  
 Seal method: Material used in seal **BENTONITE**  
 Did any strata contain unusable water No  
 Type of water Depth of strata  
 Method of sealing strata off

**PUMP:** Manufacture's name  
 Type: H.P. 0

**WATER LEVELS** Land-surface elevation above mean sea level: 0 ft.  
 Static level 8 ft. below top of well Date 08/11/2011  
 Artesian Pressure lbs per square inch Date  
 Artesian water controlled by

**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  
 Yield: gal/min with ft drawdown after  
 Yield: gal/min with ft drawdown after

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 ft drawdown after hrs.  
 Air test 25 gal/min w/ stem set at 46 ft. for 1 hours  
 Artesian flow gpm Date  
 Temperature of water Was a chemical analysis made No

Well Add 25 BALLARD AVENUE  
 City: Kettle Falls, WA 99141 County: FERRY  
 Location: NW 1/4 NE 1/4 Sec 14 T 36 R 37 EW  
 Lat/Long: Lat Deg Lat Min/Sec  
 (s, t, r still) Long Deg Long Min/Se  
 REQUIRED)  
 Tax Parcel No.: 73615110003005

**CONSTRUCTION OR DECOMMISSION PROCEDURE**  
 Formation: Describe by color, character, size of material and structure. Show thickness of aquifers and the kind and nature of the material in each stratum penetrated. Show at least one entry for each change in formation.

Material	From	To
FILL W/BOULDERS	0	4
SAND GRAVEL BOULDERS	4	12
BROKEN QUARTZITE	12	33
QUARTZITE GRAVEL W/WATER	33	45
GNEISS BLACK	45	47

Notes:

Work start 08/11/2011 Complete 08/11/2011

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

Driller  Engineer  Trainee

Name: DAVID MEYER License No.: 2427  
 Signature: *[Signature]*  
 If trainee, Licensed driller is: License No.:  
 Licensed Driller Signature

**Drilling Company:**  
 NAME: FOGLE PUMP & SUPPLY, INC. Shop: COLVILLE  
 ADDRESS: 316 W. 5TH  
 Colville, WA 99114  
 Phone: 509-684-2569 Toll Free: 800-533-6518  
 E-Mail: jeanne@foglepump.com  
 FAX: 509-684-3032 WEB Site: www.foglepump.com

Contractor's  
 Registration No.: FOGLEPS095L4 Date Log Created: 8/19/2011

Well ID# BCH-021

Phone 509-543-4349

# Fogle Pump & Supply, Inc.

## Customer Pump & System Record

Name Robert Nicholas Date 8-30-11

Address 30 Ballard Ave

Well Billing Address \_\_\_\_\_

Legal Description \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SECT \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

Water Use, Domestic  Irrigation \_\_\_\_\_ Subdivision \_\_\_\_\_ Other \_\_\_\_\_

Well Depth 45' ID 6 GPM 25 Static 8'

Pump Brand Berkeley  New - Used

Pump Model # L10P4CM6S-04 GPM \_\_\_\_\_ PSI \_\_\_\_\_

Pump Serial # \_\_\_\_\_ Date Code 001F10E

Motor Brand Pentek  New - Used

Motor HP 1/2 Volts 230 Phs 3

Motor Serial # 220038 Date Code K1310X

Warranty # \_\_\_\_\_ 5 yr.  1 yr. \_\_\_\_\_ None \_\_\_\_\_

Pump Protector Type Built in Brand \_\_\_\_\_ Model \_\_\_\_\_

Tank Brand Flex Lite Model FLS Warranty \_\_\_\_\_ yrs.

Pump Setting 35' pipe Pipe Size 1" Pipe Type sch 40

Wire in well Size #12-4 Type SLB

Pitless Size 1" Brand PA Dickor

Well House \_\_\_\_\_ Pit \_\_\_\_\_ Other, Explain \_\_\_\_\_

Distance to House 100' Elevation ± Pipe Size & Type 1" sch 40 steel

Distance to Power Supply 150' Wire Size & Type #12 THW

Location of Control Past on controller Pentek Intel Drive

Drilled By Fogles Installed By JP/SB

Dug By customer Electrical By JP/SB

Comments: overflow cut inside of casing below pitless.

Invoice # \_\_\_\_\_



**Anatek Labs, Inc.**

504 E Sprague Ave Ste D      1282 Alturas Drive  
 Spokane WA 99202      Moscow ID 83843  
 (509) 838-3999 FAX 838-4433      (208) 883-2839 FAX 882-9246

Turn Around Time      Email \_\_\_\_\_ Results Needed by: \_\_\_\_\_

Normal       Phone

Next Day\*      \*Rush Charges Apply       Mail

2-Day\*       Fax      FAX # \_\_\_\_\_

Please fill out completely and legibly

Date Collected 8/30/2011	Time Collected 7:23 AM	County Ferry
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Sample Purpose  
 Purchase/Sale/Bldg Permit  
 Informative  
 New Well      BCH-021

Sample Type  
 Standard Drinking Water  
 Raw Source Water  
 Other (Specify) \_\_\_\_\_

Owner or Manager Name  
 Robert Nicholas

Specific Location Where Sample Was Collected (i.e. address of well)  
 hydrant 25 Ballard Ave

Send Report to:  
 Name Fogle Pump  
 Address 316 West 5th  
 City Kettle Falls St WA Zip 99114  
 Day Tel # 509-693-4349      Eve/Msg Tel # \_\_\_\_\_

Sample Collected by: Jon      Company: Fogle

Source Type (Check One)  
 Well/WellSpring       Purchased or Intertie  
 Spring       Grd Water under Surface Influence  
 Surface Water       Combination or Other \_\_\_\_\_

**COLIFORM BACTERIA (Lab Use Only)**

SATISFACTORY (COLIFORM ABSENT)

REPEAT SAMPLES REQUIRED       Unsatisfactory (Coliform Present)  
 Total Present       Total Absent  
 E.Coli Present       E.Coli Absent

Other Lab Results

Total Coliform /100ml	E.Coli /100ml
Fecal Coliform /100ml	Plate Count /100ml

Another Sample Required

Sample Not Tested Because:  
 Sample Too Old       TNTC  
 Wrong Container       Turbid Culture  
 Other \_\_\_\_\_       Excess Debris

Report Date 9/1/11      Lab Analyst KCS

Date Received 08-31-11      Time 1348      By KCS

**Inorganic Chemical Analysis Report**

Tests	MCL	Results	Units	Compliance Y/N	Initials
✓ Arsenic (As)	0.01	20.601	mg/L	Y	KCS
Barium (Ba)	2		mg/L		
Beryllium (Be)	0.004		mg/L		
Cadmium (Cd)	0.0005		mg/L		
Calcium (Ca)	-		mg/L		
Chloride (Cl)	250		mg/L		
Chromium (Cr)	0.1		mg/L		
Color	15		Color Units		
Conductivity	700		µmhos/cm 25°C		
Copper (Cu)	1.3		mg/L		
Corrosivity	-		-		
Cyanide (CN)	0.2		mg/L		
Fluoride (F)	4		mg/L		
Hardness	-		mg/L as CaCO <sub>3</sub>		
Iron (Fe)	0.3		mg/L		
✓ Lead (Pb)	0.015	0.00659	mg/L	Y	KCS
Magnesium (Mg)	-		mg/L		
Manganese (Mn)	0.05		mg/L		
Mercury (Hg)	0.002		mg/L		
Nickel (Ni)	0.1		mg/L		
✓ Nitrate as N	10	20.1	mg/L	Y	JK
Nitrite as N	0.5		mg/L		
pH	-		-		
Selenium (Se)	0.05		mg/L		
Silver (Ag)	0.05		mg/L		
Sodium (Na)	-		mg/L		
Sulfate (SO <sub>4</sub> )	250		mg/L		
TDS	500		mg/L		
TSS	-		mg/L		
Turbidity	1		NTU		
Uranium (U)	30		µg/L		
Zinc (Zn)	5		mg/L		

MCL-Max. Contaminant Level      TSS-Total Suspended Solids      TDS-Total Dissolved Solids

OTHER ANALYSES REQUESTED

Inorganic Contaminants (IOC's)	
Volatile Organics (VOC's)	
Semivolatile Organics (SOC's)	
Private Well Test	
Iron Bacteria	

Laboratory Comments

395 del.

Lab Supervisor: Thea Lussaloma      Report Date: 9-8-11

Anatek Log-In # 89019