

# MEMO

**To:** File G4-35001

**From:** Ron Dixon

**Date:** November 21<sup>st</sup>, 2005

**Re:** G4-35001 Drought Authorization Well Location Discrepancy

The well drilled (AHP-771) under the 2005 drought authorization permit number G4-35001 was drilled in an unauthorized location. According to latitude and longitude readings obtained during two site visits in 2005, the location of the drilled well is within T11N/R21E - 19. The authorized point of withdrawal location was T11N/R20E - 13. This places the drilled well approximately 0.5 miles from the authorized location. The well was properly constructed and no impairment issues are expected due to the error in location. Future authorizations for the use of this well need to correctly identify the well as being within T11N/R21E - 19.

|  
NW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>

what found  
11/21/05

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)

Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number 19541

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

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

**DIMENSIONS:** Diameter of well 12" inches, drilled 11 7/8 ft.  $\pm$  2"  
 Depth of completed well 1193 ft.

**CONSTRUCTION DETAILS**  
 Casing  Welded 12" Diam. from +1 ft. to 943' 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 \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Surface Seal:  Yes  No To what depth? 943' ft.  
 Material used in seal 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: \_\_\_\_\_ H.P. \_\_\_\_\_

**WATER LEVELS:** Land-surface elevation above mean sea level \_\_\_\_\_ ft.  
 Static level 379 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

 Date of test \_\_\_\_\_  
 Bailer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Airtest 700 gal./min. with stem set at 1185' ft. for 10 hrs.  
 Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
 Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

**CURRENT**

Notice of Intent No. W242751

Unique Ecology Well ID Tag No. AHP771

Water Right Permit No. G4-35001

Property Owner Name Farm Land Management - John Hancock

Well Street Address 138 Regis St.

City Turlock County Yakima

Location S 1/2 1/4 SE 1/4 Sec 13 Twn 11N R 20 EWM  circle or WWM  one

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

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

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

**CONSTRUCTION OR DECOMMISSION PROCEDURE**

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

MATERIAL	FROM	TO
Brown Silt	0	12
Cemented gravel	12	32
Brown Clay	32	63
Sand & gravel & brown silt	63	106
Sand gravel & brown clay	106	132
Brown Clay	132	153
Gravel Sand & Brown clay	153	192
Clay sand & fine gravel	192	215
Clay & sand layers	215	412
Brown clay some sand lenses	412	456
Green clay some gray clay & sandstone	456	507
Green clay	507	567
Basalt Hard Gray	567	642
Gray sandstone	642	667
Gray sandy clay Little wood	667	674
Gray sandstone	674	690
Green clay	690	710
Fine gray sand	710	718
Green & gray clay	718	746
Gray sandstone & sand layers some wood	746	765
Green clay	765	898
Gray clay some coarse black sand	898	918
Med. hard black basalt	918	925
Hard dark gray basalt	925	1127
Soft porus black basalt Little water 40 gpm	1127	1153
Green clay some green sandstone & sand layers	1153	1174
Basalt gravel & sand	1174	1184
Med. hard porus basalt black	1184	1193
943' of 12" casing		
Start Date <u>8-8-05</u>	Completed Date <u>9-19-05</u>	

**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) Larry McLanahan

Driller/Engineer/Trainee Signature [Signature]

Driller, or trainee License No. 0337

Drilling Company BJ Exploration Co., Inc.

Address 404 N. Conway Street

City, State, Zip Kennewick, WA 99336

Contractor's

Registration No. BJEXPC1132QK

Date 9-27-05

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

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