

**Department of Natural Resources**  
**Division of Mining, Land, & Water**  
**"Water Well Log Tracking System Online"**



FY02 RSA Amount: \$20,400.00

Project Match: \$13,600.00

**Description and Purpose:** This project will make DNR's Water Well Log Tracking System (WELTS) database accessible via the Internet so information available on groundwater resources can be used by developers, agencies and others to better control groundwater pollution. DNR has a great amount of information on groundwater, but it is difficult to get because it is only in files at DNR offices. Searching DNR's well logs is usually one of the first activities in investigation, development, or contaminated groundwater restoration efforts. Agency, community, and developer projects that deal with water pollution will benefit from easier and less expensive access to this information that this system provides. This effort was begun in 2000 and will be completed with this project and will include well logs currently not scanned, prior year's well logs submitted in response to this project, and completion of work on images already scanned but not exported due to quality considerations.

4064

**M-W DRILLING, Inc.**  
P.O. Box 15-378 • 10500 Old Seward Highway  
 99515 ANCHORAGE, ALASKA 99511

**DRILLING LOG**

Well Owner: HEPP PRODUCTIONS Use of Well: Domestic

Location (address of Township, Range, Section, if known; or distance main road):  
Parcel 64 E4 of 144 of 273 Section 28 T17N R14W S1M

Size of casing: 6" Depth of Hole: 227 feet Cased to: 226.5 feet

Static water level: 36 ft. (above) (below) land surface. Finish of well (check one) open end ( X ):  
 Screen ( ): Perforated ( )

Describe screen or perforation: None

Well pumping test at: 2 gallons per (hour) (minute) for 1 hours with 100% drawdown from static level.

Date of completion: August 11, 1993

**WELL LOG**

Depth in feet from ground surface	Give details of formations penetrated, size of material, color and hardness
0 to 2	Casing string
2 to 5	Organic
5 to 16	Loose gravel
16 to 21	Sandy gravel
21 to 25	Sand tan
25 to 39	Sandy loose gravel
39 to 80	Sand tan
80 to 82	Sand tan (damp)
82 to 91	Sand tan
91 to 96	Silty sand
96 to 119	Generally hard pan
119 to 189	Silty hard pan w/ layer of clay
189 to 191	Boulder
191 to 220	Generally hard pan, varying
220 to 222	Silty gravel w/ sand (damp)
222 to 227	Sand and gravel

*Alayne E. Hartley*  
NWMA Certified Contractor  
 Certificate #WV 214 0 913

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**Evaluation of Environmental Benefits:** Evaluation of the product will be done by Alaska Hydrological Survey staff accessing the database and receiving an adequate response to random requests for data. Also, a counter to record the number of visits to the site will be installed on the web site and a report of the number of visits will be generated. A comments form will be added to the database to gather user feedback and suggestions for future improvements.

**Project Deliverables will include:**

- A report describing all well logs on file with DNR's Alaska Hydrologic Survey that have been scanned and exported to "WELTS ONLINE" web database, at <http://dnr.alaska.gov/mlw/welts/>.
- Incorporation of 4,000 clean .pdf images, or substitute document images, on the WELTS
- Addition of backlog of 1,300 well logs to the Welts Database. Certain intransigent problem well logs may yet have to be handled.
- A functional, usable "WELTS ONLINE" product.

**Project Contacts:**

**Grantee Project Manager:**

Roy Ireland, Hydrologist  
 DNR, Division of Mining, Land and Water  
 550 W 7th Avenue, Suite 900A  
 Ph: 269-8639 Fax: 269-8947  
 roy\_ireland@dnr.state.ak.us

**ADEC Project Manager**

Laura Eldred  
 ADEC/AWQ  
 555 Cordova Street  
 Ph: 269-1065, Fax: 269-7508  
 laura\_eldred@envircon.state.ak.us