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esi.craig@sopris.net  
(970) 948-8978 Cell  
(970) 963-8556 Office

October 7, 2011

**Via email**

[david.andrews@state.co.us](mailto:david.andrews@state.co.us)

Colorado Oil and Gas Conservation Commission  
Attention Mr. David Andrews  
West Region Supervisor  
707 Wapiti Court, Suite 204  
Rifle, Colorado 81650

RE: Sampling and Laboratory Analysis of Surface Water at Maralex Resources, Inc. Rifle  
Walton 25-2

Dear Mr. Andrews

Environmental Services, Inc. (ESI) is pleased to present the reported laboratory results representing bradenhead discharge at the Maralex Resources, Inc. (Maralex) facility Rifle Walton 25-2. Maralex has received a Notice of Violation (NOV) from the Colorado Oil and Gas Conservation Commission (COGCC) requesting that a sample representing the bradenhead discharge be obtained and submitted to a laboratory for analysis.

### **SAMPLING**

Sampling was performed by ESI on September 14. During the field activities we were accompanied by Mr. Leland Clifton with Maralex. Digital photographs are summarized in an attached Power Point presentation. Approximately forty gallons of water was purged from the well, over a ten-minute period, and transferred to a tank. The sample was collected in a stainless steel pail via a half-inch hose and a stainless steel spigot. Temperature and pH were measured in the field and were recorded at 13.1 degrees Celsius and 6.7 pH units. A Groundwater Sampling Field Data Sheet is attached.

### **SAMPLING AND COOLER PREPARATION**

Surgical gloves were donned during sampling and sample preparation. The sample was immediately transferred into appropriate containers provided by the laboratory using a new disposable polyethylene bailer. The individual sample containers included completed labels secured with film tape. The sample was then placed into a baggie, and immediately placed into a cooler with ice. The sample was logged and recorded under a Chain of Custody. Additional ice was placed into two-gallon baggies and placed on each side and on top of the sample sufficient to maintain an internal cooler temperature of less than 4 degrees Celsius. The Chain of Custody form was placed into an individual baggie and affixed to the underside of the cooler lid. A copy of the Chain of Custody has been retained in the ESI project file. The coolers included a signed and dated security label. The cooler lid was secured with reinforced packing

tape and film tape. The cooler was delivered to FedEx in Basalt, Colorado for Priority Overnight Deliver to the Analytica Environmental Laboratory in Thornton, Colorado (Analytica) on September 14, 2011. A copy of the FedEx Air Bill has been retained in the ESI project file and secured to a copy of the completed Chain of Custody.

## LABORATORY ANALYSIS

The sample was received by Analytica on September 15, 2011. The sample was analyzed for Dissolved Methane method RSK-175; Major Cations method 200.7; Major Anions method IC2, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) method SW 8260B, and Alkalinity method SW 2320B. The reported laboratory results are summarized on the attached table (Table1). A hard copy of the reported laboratory results including the Chain of Custody forms, under the Analytica Work Order B1109083 and dated October 4, 2011, are also attached.

Should you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

ENVIRONMENTAL SERVICES, INC.

By  \_\_\_\_\_  
D. Craig Heydenberk  
Environmental Consultant

Attachments

cc : Mr. Jim Graves - Maralex Resources, Inc. [mrinc20@qwestoffice.net](mailto:mrinc20@qwestoffice.net)  
Mr. A. M. O'Hare - Maralex Resources, Inc. [amohare@maralexinc.com](mailto:amohare@maralexinc.com)  
Doris Ney - Maralex Resources, Inc. [Dney@maralexinc.com](mailto:Dney@maralexinc.com)