



COMPLIANCE / ENGINEERING / REMEDIATION

*LT Environmental Inc.*  
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June 08, 2009  
Mr. Scott Rose  
Samson Resources Company  
Two West 2<sup>nd</sup> Street  
Tulsa, OK 74103

**Doc #1733379 Spill#200204999**

RE: Soil Investigation Results  
Gore GU A#15-1 (API #05-067-07900)  
La Plata County, Colorado

Dear Mr. Rose:

LT Environmental, Inc. (LTE) is pleased to provide Samson Resources Company (Samson) with this letter summarizing the results of the follow-up soil investigation activities conducted at the Gore GU A#15-1 (API #05-067-07900) production well site (Site) on May 27, 2009. LTE conducted the initial investigation in response to a release of produced water that overfilled a pit at the Site. A follow-up investigation was performed at the request of Samson after excavation of the impacted soil at the Site had been completed.

## **SOIL SAMPLING**

On May 27, 2009, LTE collected one composite soil sample for comparison to previous samples collected in the impacted area. The soil sample [labeled "Gore 15-1 Pit (Composite)"] was collected from the four walls and the base of the pit located on the Site production pad (Figure 1).

The soil sample was placed in a clean Teflon-lined glass jar and stored in a cooler with ice in the field. The sample was submitted to Cardinal Laboratories of Hobbs, New Mexico for the analysis of Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) using EPA modified Method 8015.

## **RESULTS**

Laboratory analytical results for the Pit sample indicate DRO was detected at a concentration of 175 milligrams per kilogram (mg/kg). GRO was reported at less than 10 mg/kg. Table 1 presents the soil analytical results. The laboratory analytical report is included as Attachment 1.

LTE appreciates the opportunity to provide environmental services to Samson. If you have any questions regarding this report or would like additional information, please contact us at (970) 884-5215.



Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink that reads "Travis Lavery". The signature is written in a cursive, flowing style.

Travis Lavery  
Staff Geologist

Attachments (1)

A handwritten signature in black ink that reads "John D. Peterson". The signature is written in a cursive, flowing style.

John D. Peterson, P.G.  
Principal/Senior Geologist

**ATTACHMENT 1**  
**LABORATORY ANALYTICAL REPORT**

