



July 27, 2016

Mr. Brett Middleton
Environmental Specialist
Encana Oil & Gas (USA) Inc.
143 Diamond Avenue
Parachute, Colorado 81635

**RE: Scope of Work
A27 Flowline Release Additional Assessment and Well Installation
Garfield and Rio Blanco Counties, Colorado**

Dear Mr. Middleton:

LT Environmental, Inc. (LTE) is submitting this scope of work for the planned site assessment activities scheduled to begin on the approximate date of August 1, 2016. These assessment activities are expected to take approximately nine days to complete. The following outline describes the Scope of Work and scheduled site assessment activities.

Location and Assessment Objectives

- **Bishop, LLC Property**
 - Advance approximately 5 soil borings using a hand auger to identify potential hydrocarbon impacts
 - Install two groundwater monitoring wells using a drill rig
 - Collect soil characterization samples and submit for laboratory analysis
 - Collect groundwater grab samples if encountered and submit for laboratory analysis
 - Collect surface water samples from the area where each groundwater monitoring well is installed
 - Submit soil and groundwater samples for laboratory analysis of constituents listed in the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 and full list 8260B for volatile organic compounds (VOCs)
- **Continued Assessment of Identified Impacts**
 - Advance approximately 15 soil boings to an approximate depth of 25 to 55 feet below ground surface and install temporary casing for sample collection
 - Collect soil characterization samples and submit for laboratory analysis
 - Collect groundwater grab samples if encountered and submit for laboratory analysis
 - Submit soil and groundwater samples for laboratory analysis of constituents listed in the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 and the full list 8260B of VOCs



- Conduct additional borings if deemed necessary to characterize the identified release
- Encounter and sample the aquitard layer within each soil boring for observations of physical composition

Drilling Activities

- Call in utility locates at least four days in advance through Utility Notification Center of Colorado (UNCC)
- Meet Encana representative onsite for ground disturbance permit and approval
- Collect soil and groundwater samples as appropriate to characterize identified release
- Decontaminate augers and sampling equipment between each soil boring
- Log and screen soil samples as necessary from two foot split spoon core
- Continuously sample the borehole once groundwater is observed in order to ensure when the confining layer is encountered
- GPS locations of all soil borings and sample locations

Soil and Groundwater Sampling

- Collect soil samples from each boring for visual observations and screening with a photoionization detector (PID)
- Submit soil samples with highest PID from each boring for laboratory analysis
- Install temporary screened well casing for collection of groundwater samples if encountered
- Collect grab groundwater sample from temporary casing and submit for laboratory analysis
- Submit select soil and groundwater samples to ESC Lab Sciences for constituents identified in COGCC Table 910-1 and full list 8260B of VOCs
- Photo document all sampled material and the location of each boring
- Develop all monitoring wells following installation and initial grab sample collection

Reporting

- Produce an Assessment Findings Report which includes:
 - Summary of field activities and observations
 - Site map showing the locations of each boring and sample location
 - Tables of soil and groundwater analytical results
 - Lithologic drilling logs
 - Recommendations for future activities if necessary
- Assist Encana with any technical follow up and form submittals as needed or requested



Middleton, B.

Please contact Rob Fishburn at 970.285.9985 with any questions or concerns associated with this Scope of Work.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "Chris McKisson".

Chris McKisson
Project Environmental Scientist

A handwritten signature in black ink, appearing to read "Robert D. Fishburn".

Robert D. Fishburn, P.G.
Senior Hydrogeologist