



Notice of Alleged Violation (NOAV) #200355205

Encana Oil & Gas (USA) Inc. (Encana) is providing the following work plan for an investigation into possible impacts to the Davis Ditch/Dry Hollow Creek associated with a leak of approximately 50 bbls of treated produced water resulting from an underground pipeline failure (COGCC Facility Number 429326).

Scope of Work:

Per the Attachment to the NOAV, Encana is proposing to perform the following tasks:

A desktop and field reconnaissance well search will be performed to identify domestic water wells, springs, ponds, and other pertinent water features downgradient of the release location to the northern edge of NESE Section 27 6S 92W 6th Meridian (this is approximately on the northern property boundary of the Janice Hunt property). Water features identified in the well search and field reconnaissance hydraulically influenced by Dry Hollow Creek and the David Ditch shall be sampled. To date, the following has occurred:

- The desktop reconnaissance, including data retrieval from the State Engineer's office and GIS mapping, of the domestic and irrigation wells and surface water features within the above referenced area is complete.
- Contact and scheduling has been made to collect water samples from the Guthrie well, Schultz well, and Janice Hunt Spring (cistern). Contact and scheduling also has been made to collect a water sample from Tim Melton's domestic well and irrigation well, and Tom Schickling's irrigation cistern. The Guthrie well, Janice Hunt Spring, Tim Melton's wells, Greg Schelling's well, and the Schickling cistern were sampled on July 5, 2012. The Schultz well is scheduled to be sampled on July 13, 2012.

At a minimum, the sampling program will include samples from the Guthrie well, Schultz well, and Janice Hunt spring (cistern) utilizing an analytical suite provided by COGCC (see attached) targeting no later than July 13, 2012 (for Schultz) and again by September 10, 2012. As field reconnaissance is completed and well or surface water owners are contacted, the additional water samples will be incorporated into the sampling program as appropriate. A representative from Olsson and Associates (third party) will be performing the sampling activities. Laboratory data will be submitted to each landowner under a cover letter from Olsson and Associates.

A list of Davis Ditch/Dry Hollow Creek landowner/user contact information, contact dates, and user response will be compiled. Well and property access, landowner availability, dry v. wet conditions, topographic location, and other relevant information shall be documented.

Representative samples of the E&P waste released will be collected and analyzed for the attached analytical suite. A review of existing water quality data of the E&P waste will also be performed.

A comprehensive, interpretive report summarizing the investigation and results will be submitted to the COGCC by October 15, 2012. The report will include the following:

- A comprehensive map showing the soil and water sample locations, pipeline release location, and the locations of the Davis Ditch and Dry Hollow Creek.
- A summary table of the field parameter data and laboratory analytical data.
- A narrative documenting the field collection sample methodology.
- Conclusions and recommendations, as appropriate.

Attachment – COGCC analytical suite. The dissolved uranium requirement has been removed from the list of analytes per Linda Spry-O'Rourke.

Encana Oil & Gas (USA) Inc.
2717 County Road 215, Suite 100
Parachute, CO 81635



July 10, 2012

Regards,

A handwritten signature in blue ink that reads "Charles H. Jensen, Jr." in a cursive script.

Charles H. Jensen, Jr., C.P.G., P.G.
Hydrogeologist
Encana Environmental Field Coordinator
970.285.2735 (work)
970.712.6987 (cell)
charles.jensen@encana.com

Attachment

NOAV # 200355205 Attachment

page 2 of 2

Operator: Encana
 Facility 429326
 Location SWSE 7 6S 92W
 Garfield County

COGCC Analytical Suite:

Analysis	Method	Analyte list
SPECIFIC CONDUCTIVITY	EPA120.1	
PH	EPA150.1	
TOTAL DISSOLVED SOLIDS	EPA160.1	
Dissolved METALS - ICP	EPA200.7	BARIUM BORON CALCIUM CHROMIUM COBALT COPPER IRON LITHIUM MAGNESIUM MANGANESE NICKEL POTASSIUM SILICON SODIUM STRONTIUM VANADIUM ZINC
Dissolved Metals	EPA200.8	ANTIMONY ARSENIC MOLYBDENUM SELENIUM URANIUM <i>per Linda COGCC</i>
Alkalinity	EPA310.1	BICARBONATE AS CaCO3 CARBONATE AS CaCO3 HYDROXIDE TOTAL ALKALINITY AS CaCO3
Mercury	E245.1	
Inorganic anions	EPA300.0	BROMIDE CHLORIDE FLUORIDE SULFATE
Dissolved methane	RSK175	ETHANE ETHENE METHANE
GASOLINE RANGE ORGANICS	SW8015	
DIESEL RANGE ORGANICS	SW8015MCALUFT	
Semi-VOAs	SW8270	
VOAs	SW8260	
SODIUM ADSORPTION RATIO	lab calculated	
Total Organic Carbon	Method 413.1	
field observation:	sediment (present or absent)	
field observation:	odor	
field observation:	effervescence	
field observation:	particulates (present or absent, color)	
field observation:	color	
field reading:	temperature	
field reading:	volume/rate of purging	