

April 4, 2017

Subject: Boring & Sampling Plan

EF A28 595 – Pit Closure and Remediation System (Rem:8114)

COGCC Location ID: 335804

NENE, Sec. 28, T5S, R95W, 6th PM

Stockpile Location: 39.590997 / -108.053994 (WGS 84)

Garfield County, Colorado

Attn: Carlos Lujan

Background

2009: During pit reclamation activities and prior to installation of the bio-vent wells the sidewalls and base of the pit were excavated and stockpiled on location.

2010 – 2012: Stockpile was rotated and sampled.

2013: During interim reclamation and the stockpile was buried under 3' of native fill along the cutslope on the north-west side of the pad. The stockpile was drilled and 14 bio-vent wells were installed throughout the stockpiled material.

2014: Five (5) bio-vent wells had solar activated vacuum blowers installed and O&M readings were collected quarterly. Approximately 8 months after installation, the blower motors failed.

2016: Three (3) wells were drilled, sampled, and one (1) was converted to a Bio-vent well.

Approach

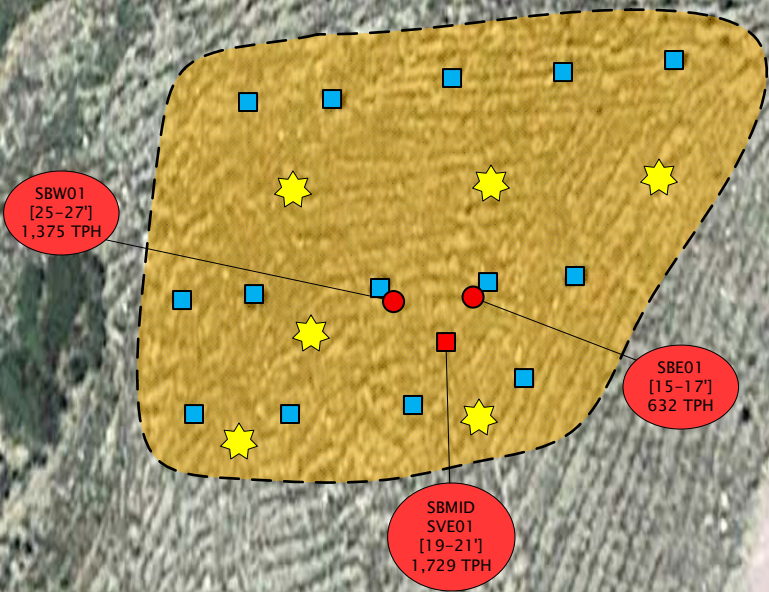
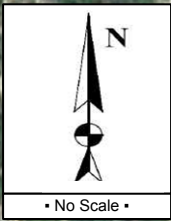
Based on the previous years of sampling data; it has been determined that in 2017, six (6) additional soil borings via hollow stem auger will be advanced to depths ranging from 15 to 30 feet below ground surface. Grab samples will be collected from specific depths. The 2017 locations will be drilled to give Encana a better definition of the remediation stockpile. A summary report will be submitted to the COGCC detailing the findings and details on additional bio-vent well installation. Based on these sample

analyses, Encana will be able to provide details on the remediation approach and provide information on the expected number of years to achieve compliance with COGCC table 910-1.

Attachments

- Site diagram

Regards,
Matt Kasten
Environmental Consultant
On behalf of Encana Oil & Gas



EF A28 595







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Imagery Date: 6/17/2016

lat: 30.539925° lon: -103.05367° elev: 3 ft

Eye alt: 367 ft

 - Sample	 - 2016 Sample
  - Biovent	 - 2017 Planned Sample
 Remediation Cell	



Pad: A28 595 (Location ID: 335804)
Area: North Parachute Ranch
Legal: NENE, Sec. 28, T5S, R95W, 6 th PM