

05/09/2017

**Subject: Progress Report**

H29A – Pit Closure and Remediation System (Rem:7966)

COGCC Location ID: 335594

Facility ID: 433716

SENE, Sec. 29, T5S, R95W, 6<sup>th</sup> PM

39.58838 / -108.0706 (WGS 84)

Garfield County, Colorado

Attn: Carlos Lujan

During the 2016 season, Encana bored three wells within the pit footprint and near existing vent wells to collect and compare previous soil samples. Please see attached figure with lab data representing 2016 borings and laboratory analysis.

**SVE pilot trailer data**

In 2016, Encana has incorporated the use of an SVE pilot trailer to determine air flow in cubic feet per second, and vacuum pressures at which the air flow occurs. PID readings are collected to observe available hydrocarbon changes over time to help determine when additional drilling needs to occur to obtain site closure. This analysis demonstrates air movement occurring within the subsoils at the screened interval allowing for subsurface air exchange to occur. The continuous air exchange via the bio-vent wells allows for naturally occurring bacteria to consume the TPH (GRO/DRO ranges). Encana will continue to utilize the SVE pilot trailer into 2017 to further study these exchanges. The following table demonstrates data obtained with the use of the SVE pilot trailer in 2016:

H29A Pit	2016 3 <sup>rd</sup> Quarter	Well	Start Time	SCFM	Vacuum (inches of Hg)	Temp (F°)	PID (ppm)
		SVS03	13:10	40	9	76	4.1
SVES02	13:20	20	8	76	1.9		
SVES01	13:40	40	10	76	0.5		
SVEE01	13:55	40	9	76	0.5		
SVEN03	14:05	60	7	80	0.7		

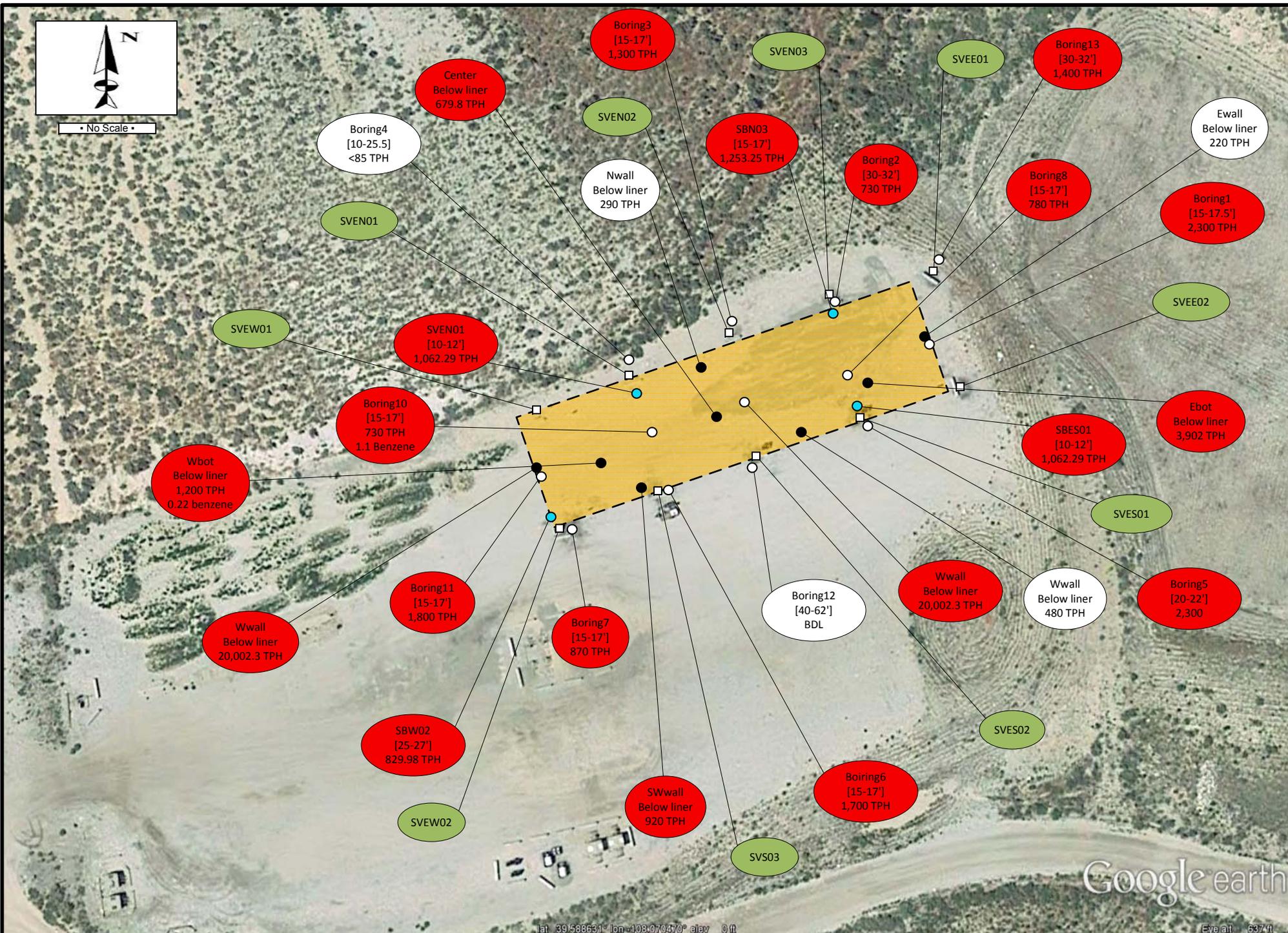
## **Attachments**

- Site diagram

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



• No Scale •



- - Sample
- - Biovent/Sample
- - 2012 Sample
- - 2013 Sample
- - Previous Pit
- - 2016 Sample
- - Footprint



Pad: H29A (Location ID: 335594)  
 Area: North Parachute Ranch  
 Legal: SENE, Sec. 29, T5S, R95W, 6<sup>th</sup> PM

lat 39.588631° lon -103.070470° elev 0ft

Google earth

Eye alt 637ft