



September 27, 2022

Mr. Jake Janicek  
 Caerus Oil and Gas LLC  
 143 Diamond Ave  
 Parachute, CO 81635

**RE PJ16 (PJ16 Dumpline Leak) – Q3 2022 Remediation Update**  
**COGCC Facility ID 480346, REM 21016**  
**NWSE, Sec. 16, T7S, R95W, 6<sup>th</sup>**  
**Garfield County, Colorado**

Mr. Janicek,

Entrada Consulting Group, Inc. (Entrada) was contracted to collect Soil Vapor Extraction (SVE) O&M readings from the PJ16 site. This report includes data collected from a Caerus owned Solar SVE trailer that is utilized to determine air flow and to collect volatile readings from established SVE wells on-site by Photoionization Detector (PID). Effluent readings were collected to observe available hydrocarbon changes over time. 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). The following table demonstrates data obtained with the use of the Solar SVE pilot trailer in Q3 2022:

Table 1: PJ16 Solar SVE Trailer Hydrocarbon Removal							
Trailer	Date	Method	Hours Reading	PID Reading	Hours	Notes	
Trailer 1	7/6/2022	SVE	13,433	1,931	137	*Not Running Average PID = 3,466 ppm	
	8/5/2022	SVE	13,533	5,000	100		
	9/15/2022	SVE	-	0	0		
					Q3 2022 hours	237	

It is recommended to continue quarterly O&M readings on the associated wells installed for this remediation project.

If you have any questions pertaining to this project, please do not hesitate to contact me at (970) 901-9007 or mkasten@entradainc.com

Sincerely,

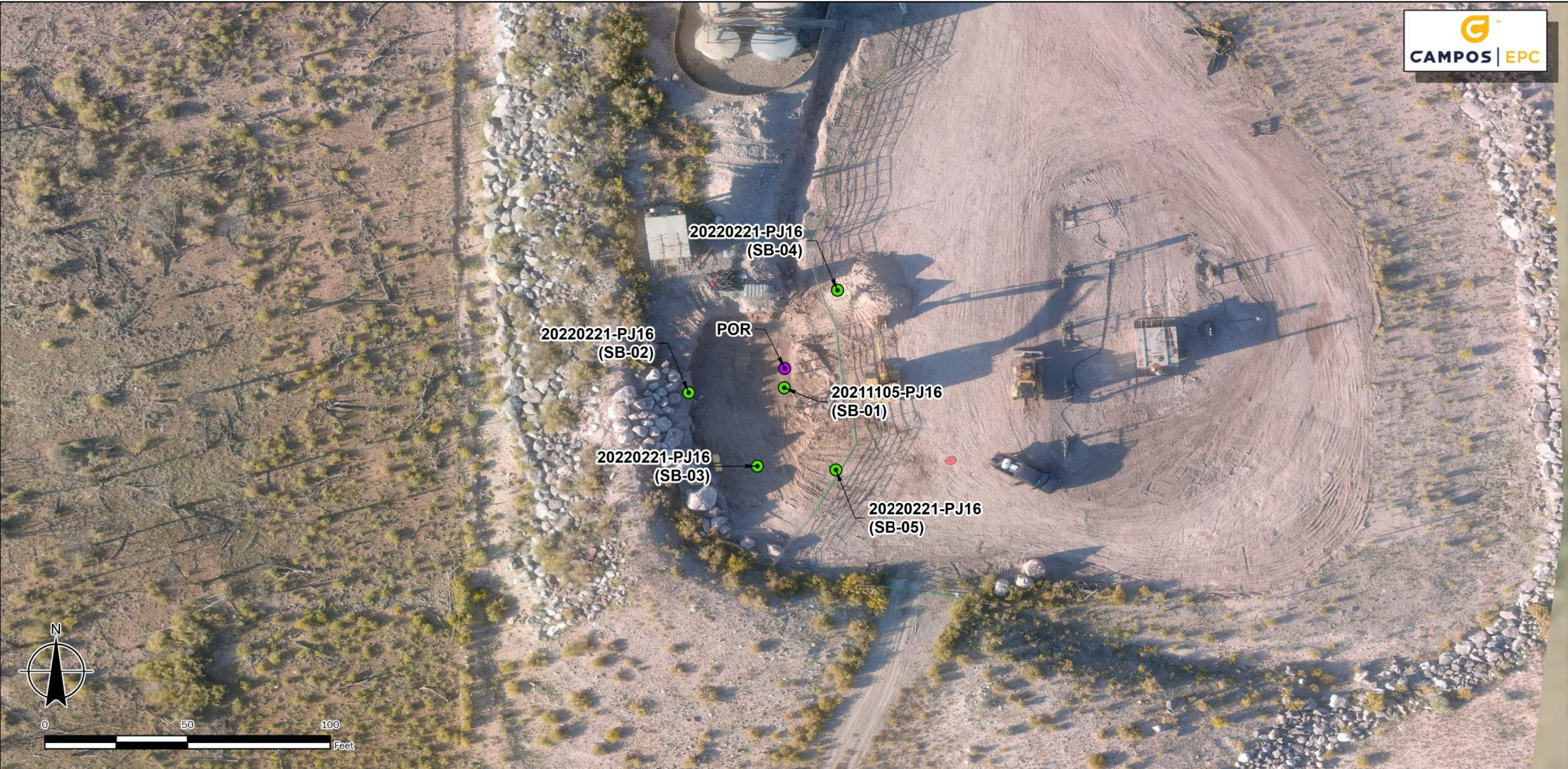
**ENTRADA CONSULTING GROUP**

A handwritten signature in black ink, appearing to read 'MKasten', written over a faint circular stamp.

Matt Kasten  
*Project Scientist*

Attachments:

Figure 1- Site Diagram



20220221-PJ16 (SB-04)

20220221-PJ16 (SB-02)

POR

20211105-PJ16 (SB-01)

20220221-PJ16 (SB-03)

20220221-PJ16 (SB-05)



PJ16  
 SHORE-67S95W / 16NWSE  
 COGCC LOCATION ID: 334656  
 GARFIELD COUNTY, CO  
 NWSE SEC. 16 T7S-R95W

Legend

- Soil Boring Location
- Point of Release

COORDINATE SYSTEM  
 GCS NORTH AMERICAN 1983

DRAFTER: AP      DATE: 2/25/2022

Identifier	Latitude NAD83	Longitude NAD83	Elevation
20211105-PJ16(SB-01)	39.434709	-108.001624	6063.60 ft
20220221-PJ16(SB-02)	39.434705	-108.001715	6063.01 ft
20220221-PJ16(SB-03)	39.434634	-108.001650	6063.56 ft
20220221-PJ16(SB-04)	39.434803	-108.001573	6064.04 ft
20220221-PJ16(SB-05)	39.434631	-108.001574	6062.93 ft
POR	39.434728	-108.001623	6061.41 ft

