



February 1, 2023

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

RE PJ16 (PJ16 Dumpline Leak) – Q4 2022 Remediation Update
COGCC Facility ID 480346, REM 21016
NWSE, Sec. 16, T7S, R95W, 6th
Garfield County, Colorado

Mr. Janicek,

Entrada Consulting Group, Inc. (Entrada) was contracted by Caerus Oil and Gas (Caerus) to collect Soil Vapor Extraction (SVE) operations and maintenance (O&M) readings from the PJ16 site. This report includes data collected from a Caerus owned Solar SVE trailer that is utilized to introduce 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 intervals of the wells, 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) present within the subsoils. The following table demonstrates data obtained with the use of the Solar SVE pilot trailer in Q4 2022:

Table 1: PJ16 Solar SVE Trailer Hydrocarbon Removal						
Trailer	Date	Method	Hours Reading	PID Reading	Hours	Notes
Trailer 1	10/4/2022	SVE	2573.7	5,000	0	*New Trailer*
	11/8/2022	SVE	2,614	5,000	40	
	12/28/2022	SVE	2,664	-	50	*Dead Trailer*
Q4 2022 hours					90	Average PID = 5,000 ppm

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 970.270.2986 or tdobransky@entradainc.com.

Sincerely,

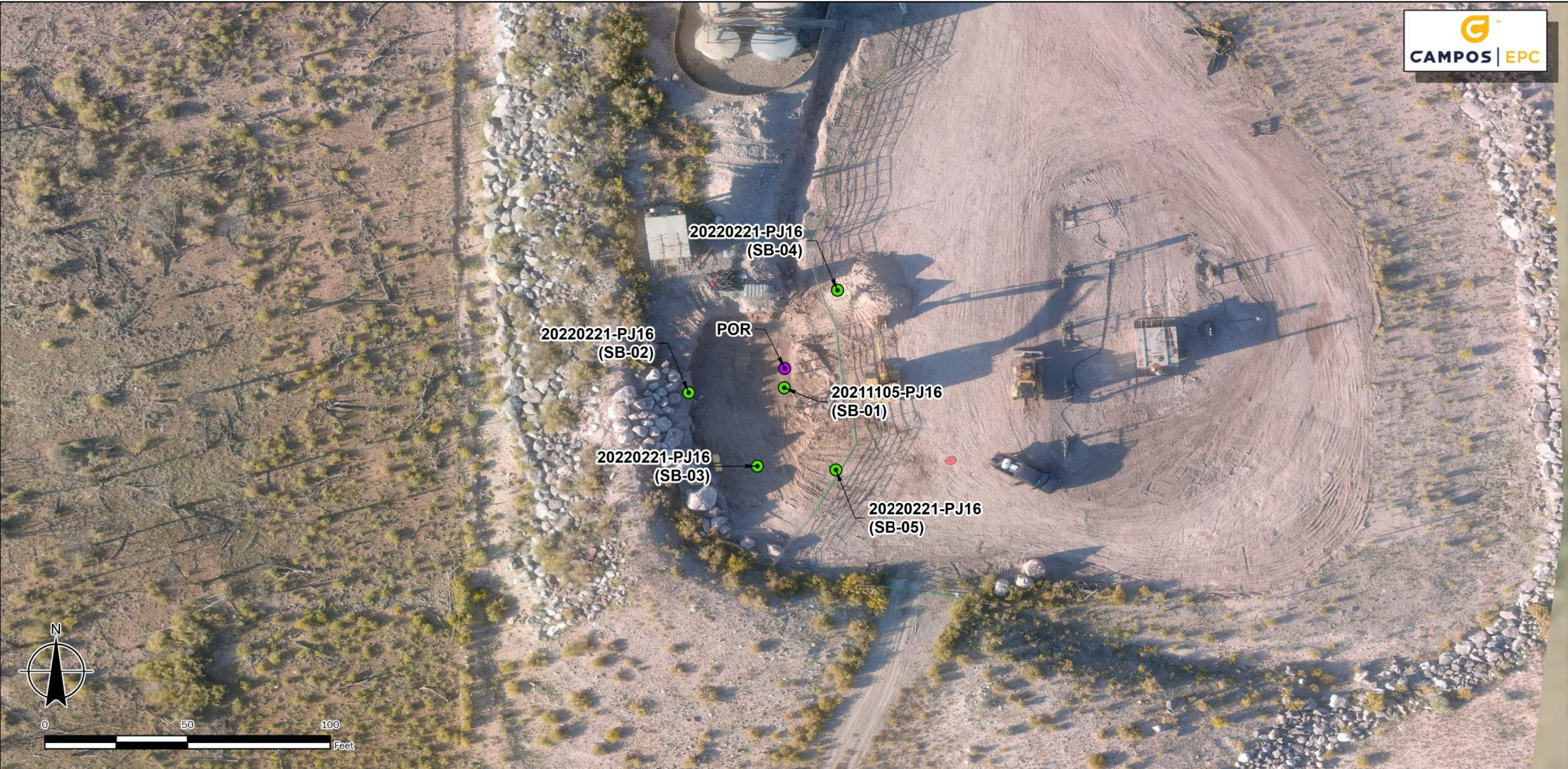
ENTRADA CONSULTING GROUP

A handwritten signature in black ink, appearing to read 'TD', enclosed within a large, loopy oval stroke.

Tim Dobransky
Principal 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

