



December 12, 2024

Mr. Blair K. Rollins  
Caerus Oil and Gas LLC  
143 Diamond Ave  
Parachute, CO 81635

**RE Unocal 4 (UNOCAL-66S96W4NESW) – Q4 2024 Remediation Update**  
**CECMC Facility ID 335778, REM 15947**  
**NESW, Sec. 4, T6S, R96W, 6<sup>th</sup>**  
**Garfield County, Colorado**

Mr. Rollins,

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 Unocal 4 site. This report includes data collected from a Caerus owned 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 interval 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 SVE pilot trailer in Q4 2024:

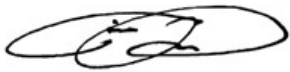
Date	Well	Start Time	Start PID	Stop Time	Stop PID	SCFM	Vacuum
10/16/2024	SVE1	10:20:00 AM	225.6	10:50:00 AM	231.2	100	8
	SVE2(POR)	10:20:00 AM	132.2	10:50:00 AM	137.4	100	8
	SVE3	10:20:00 AM	140.5	10:50:00 AM	141.8	100	8

It is recommended to continue collecting 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](mailto:tdobransky@entradainc.com).

Sincerely,

**ENTRADA CONSULTING GROUP**

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

Tim Dobransky  
*Principal Scientist*

Attachments:

Figure 1- Site Diagram



#### LEGEND

- Point of Release (POR)
- SVE Well Location
- SVE Radius of Influence

**Figure 1**  
**Unocal 4 Dumpline Spill**  
**SVE ROI Figure**



**Site Location:**  
North Parachute Ranch (NPR)  
Garfield County, Colorado  
Caerus Oil and Gas LLC



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Created By: Blair Rollins (EHS Specialist)  
Date: 12/10/2020