

## Region 6 - Enforcement & Compliance Assurance Division

### INSPECTION REPORT

|                                        |                                                                         |             |
|----------------------------------------|-------------------------------------------------------------------------|-------------|
| Inspection Date(s):                    | 04/23/2025                                                              |             |
| Media Program:                         | Water                                                                   |             |
| Regulatory Program(s)                  | Clean Water Act-National Pollution Discharge Elimination System (Brine) |             |
| Company Name:                          | <b>Calgary Energy, LLC</b>                                              |             |
| Facility Name:                         | <b>Tidal Osage 1 Lease</b>                                              |             |
| Facility Physical Location:            | Latitude: 36.536835, Longitude: -96.404341                              |             |
| (city, state, zip code)                | Hominy, OK, 74035                                                       |             |
| Mailing address:                       | 4444 E. 146 <sup>th</sup> St. N                                         |             |
| (city, state, zip code)                | Skiatook, OK, 74070                                                     |             |
| County/Parish:                         | Tulsa                                                                   |             |
| Facility Phone Number                  | 918-798-4510                                                            |             |
| Facility Contact:                      | Blaine Haag                                                             | Co-Owner    |
|                                        | bhaag.calgaryenergyllc@gmail.com                                        |             |
| FRS Number:                            | n/a                                                                     |             |
| Identification/Permit Number:          | OKU000893                                                               |             |
| Media Identifier Number:               | n/a                                                                     |             |
| NAICS:                                 | 211111                                                                  |             |
| SIC:                                   | 1311                                                                    |             |
| Personnel participating in inspection: |                                                                         |             |
| Matthew Allen                          | EPA/Region 6 ECDW                                                       | Inspector   |
| Mike Perrier                           | BIA Osage Agency                                                        | Inspector   |
| Jeff McGuire                           | BIA Osage Agency                                                        | Supervisor+ |
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| EPA Lead Inspector<br>Signature/Date   |                                                                         |             |
|                                        | Matthew Allen                                                           | Date        |
| Supervisor<br>Signature/Date           |                                                                         |             |
|                                        | Jeanne Eckhart                                                          | Date        |

## **Section I – INTRODUCTION**

### **PURPOSE OF THE INSPECTION**

EPA Region 6 Inspector, Matthew Allen, arrived at the Calgary Energy, LLC / Tidal Osage 1 Lease (EPA ID No. OKU000893) at 2:15 PM on 04/23/2025 for a spill inspection. Calgary Energy, LLC employee, Toby Jones was present during the inspection. This was an EPA inspection in response to an NRC Spill Report (NRC No. 1429257) which was received by EPA Region 6. The inspection was conducted by the authority of the Clean Water Act (CWA) to determine compliance with Environmental Protection Agency (EPA) regulations. There was no other federal, state, or local agency representative present at the time of the inspection.

### **FACILITY DESCRIPTION**

EPA conducted an inspection at the Calgary Energy, LLC, Tidal Osage 1 Lease, where the Tidal Osage 1 well 1-2 released oil to the surface from a subsurface casing leak.

## **Section II - OBSERVATIONS**

I observed the release point for the spill which was the Tidal Osage 1 well 1-2. The well was temporarily abandoned and was not in production at the time of the spill and inspection. This was the second occurrence of the well surfacing oil from a subsurface casing leak. See photo No. 1 and 2. For additional GPS location information and photo metadata, please see Appendix 1 (photo log) attached to this report.

I observed a pool of oil off the west edge of the well location along the flowpath of the spill. See photo No. 3.

I observed the flowpath of the spill from the point of entry (POE) into the unnamed tributary of Little Hominy Creek back toward the release point. The flowpath varied between 1 foot and 15 foot in width. See photo No. 4.

I observed the POE into the unnamed tributary of Little Hominy Creek. At the time of the inspection there was no active flow of oil into the tributary. See photo No. 5.

Downstream from the POE, I observed floating oil, absorbent pads and an oil absorbent boom which had been placed to prevent downstream migration of oil. See photos No. 6-8.

I observed the confluence of the impacted tributary and Little Hominy Creek. At the time of the inspection, oil had not reach Little Hominy Creek. See photo No. 9.

### **Section III – AREAS OF CONCERN**

The primary areas of concern included the recurrent purging of oil from the compromised well casing of well 1-2, the oil impacted overland flowpath, and the oil impacted section of the unnamed tributary of Little Hominy Creek. A temporary solution was applied to the well in 2021 but failed to prevent recurrence of the purging event.

A permanent solution to the failed well casing should be achieved to prevent additional recurrence of the spill event.

### **Section IV – FOLLOW UP**

EPA inspector conducted a follow-up phone call with Calgary Energy, LLC representative, Blaine Haag, at the end of the inspection. Mr. Haag stated he planned to test the well casing for integrity, then convert the well to production or plug and abandon the well.

EPA inspector will conduct follow-up calls, field meetings and inspections to ensure the impacted area is returned to “pre spill” condition.

EPA inspector will continue follow-up with Calgary Energy, LLC to observe the permanent solution to the recurrent purging problem.

### **Section V – LIST OF APPENDICES**

Appendix 1 – Photo Log – 9 photos taken 4/23/2025

There are no additional appendices.

## Appendix 1

### Photograph Log 9 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010653

**Orientation:** ENE

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:18 PM

**Latitude:** 36.536835

**Longitude:** -96.404341

**Photographer:** Matthew Allen

**Description:** This was the source of the spill, Tidal Osage 1 well number 1-2. The well was inactive at the time of the surfacing event.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 2

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010654

**Orientation:** SE

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:19 PM

**Latitude:** 36.536835

**Longitude:** -96.404341

**Photographer:** Matthew Allen

**Description:** This was the well sign for well 1-2.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010655

**Orientation:** WSW

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:23 PM

**Latitude:** 36.536744

**Longitude:** -96.404391

**Photographer:** Matthew Allen

**Description:** This was a pool of oil located off the west side of the well location along the flowpath.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 4

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010656

**Orientation:** NW

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:18 PM

**Latitude:** 36.536646

**Longitude:** -96.404232

**Photographer:** Matthew Allen

**Description:** This was a view of the flowpath from the point of entry (POE) into the unnamed tributary of Little Hominy Creek back to the release point.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 5

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010657

**Orientation:** SW

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:25 PM

**Latitude:** 36.536646

**Longitude:** -96.404232

**Photographer:** Matthew Allen

**Description:** This was the POE into the unnamed tributary of Little Hominy Creek.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 6

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010658

**Orientation:** SSE

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:26PM

**Latitude:** 36.536526

**Longitude:** -96.403977

**Photographer:** Matthew Allen

**Description:** This was a photo of oil absorbent pads and a floating oil absorbent boom which had been placed by the operator to contain oil and prevent further downstream migration.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 7

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010659

**Orientation:** ESE

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:28 PM

**Latitude:** 36.526431

**Longitude:** -96.403253

**Photographer:** Matthew Allen

**Description:** This was oil and oil absorbent pads observed along the impacted tributary of Little Hominy Creek.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010660

**Orientation:** W

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:33 PM

**Latitude:** 36.535578

**Longitude:** -96.402157

**Photographer:** Matthew Allen

**Description:** A photo of oil absorbent pads on the surface of the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Photograph Log

Photo No. 9

|                                 |                      |                 |
|---------------------------------|----------------------|-----------------|
| Location: 36.536835, -96.404341 |                      |                 |
| City: Hominy                    | County/Parish: Osage | State: Oklahoma |



**Photo File Name:** R0010661

**Orientation:** SW

**Date of Photo:** 04/24/2025

**Time of Photo:** 2:33 PM

**Latitude:** 36.535578

**Longitude:** -96.402157

**Photographer:** Matthew Allen

**Description:** This was an oil absorbent boom placed to prevent downstream migration into Little Hominy Creek. At the time of the inspection, no oil was present at the boom.