

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	02/07/2023	
Media Program:	Water	
Regulatory Program(s)	Clean Water Act-National Pollution Discharge Elimination System (Brine)	
Company Name:	Calgary Energy, LLC	
Facility Name:	Tidal Osage	
Facility Physical Location:	Latitude: 36.541029, Longitude: -96.418515	
(city, state, zip code)	Hominy, OK, 74035	
Mailing address:	4444 E. 146 th 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
EPA Lead Inspector Signature/Date		
	Matthew Allen	Date
Supervisor Signature/Date		
	Damon McElroy (<i>acting</i>)	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 Inspector, Matthew Allen, arrived at the Calgary Energy, LLC / Tidal Osage Lease (EPA ID No. OKU000893) at 10:15 a.m. on 02/07/2023 for a follow-up inspection. This was an EPA follow-up inspection in response to a National Response Center Spill Report (NRC No. 1357149) which was received by EPA Region 6. The initial spill inspection was conducted by EPA on 01/09/2023 with a follow-up inspection being conducted 01/13/2023. The purpose of the follow-up inspection was to observe any progress which may have been achieved by Calgary Energy, LLC in reducing pollution impacts to waters along the impacted tributary. 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 a follow-up inspection at the Calgary Energy, LLC, Tidal Osage Lease where a 4-inch diameter steel/chrome injection line failed, releasing produced saltwater to the land, the spilled saltwater ultimately flowed South into a nearby unnamed tributary of Little Hominy Creek. The NRC Spill Report stated approximately 175 barrels of saltwater was released. The injection line was connected to two separate saltwater pumps in addition to multiple saltwater injection wells.

Section II - OBSERVATIONS

I observed and elevated TDS field reading of 15,000 mg/L (GPS 36.5384, -96.4157) in the main channel of the impacted tributary of Little Hominy Creek, this field reading is documented in Photo No. 1 of Appendix 1 (Photo Log). This was the highest observed TDS field reading of the inspection.

Continuing downstream, I observed an elevated TDS field reading of 4,657 mg/L (GPS 36.53833, -96.41504) in the main channel of the impacted tributary.

I observed and elevated TDS field reading of 4,537 mg/L (GPS 36.53749, -96.41419) along the impacted tributary.

At the lowermost temporary containment dam, I observed a TDS field reading of 1,312 mg/L (GPS 36.53725, -96.4131) in the unnamed tributary. This represented the lowest observed TDS field reading of the inspection.

Overall, my observations during the inspection represented a significant improvement of TDS readings along the impacted tributary when compared to field readings from the previous inspections.

All TDS field readings were taken using a properly calibrated YSI Pro 30 conductivity meter.

Section III – AREAS OF CONCERN

At the time of the inspection, there were no cleanup activities underway. Calgary Energy, LLC should ensure an appropriate amount of manpower is maintained daily along the impacted area. Calgary Energy, LLC should continue removing elevated TDS waters from the impacted tributary. The flowpath from the release point to the point of entry should be cleaned. Cleanup activities should continue until background TDS readings are observed along the impacted tributary.

Section IV – FOLLOW UP

EPA Inspector received no additional information related to spill cleanup after exiting the location on 02/07/2023.

EPA Inspector will continue follow-up phone calls and additional site visits until the impacted tributary is restored to background TDS levels.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 4 photos taken 02/07/2023

Appendix 1

Photograph Log 4 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 36.541029, -96.418515		
City: Hominy	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010048

Orientation: n/a

Date of Photo: 02/07/2023

Time of Photo: 11:11 AM

Latitude: 36.5384

Longitude: -96.41574

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 15,000 mg/L taken in the main channel of the impacted unnamed tributary of Little Homing Creek.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 36.541029, -96.418515		
City: Hominy	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010049

Orientation: n/a

Date of Photo: 02/07/2023

Time of Photo: 11:15 AM

Latitude: 36.53833

Longitude: -96.41504

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 4,657 mg/L taken in the main channel of the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 36.541029, -96.418515		
City: Hominy	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010050

Orientation: n/a

Date of Photo: 02/07/2023

Time of Photo: 11:19 AM

Latitude: 36.53749

Longitude: -96.41419

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 4,537 mg/L taken in the main channel of the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 36.541029, -96.418515		
City: Hominy	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010051

Orientation: n/a

Date of Photo: 02/07/2023

Time of Photo: 11:26 AM

Latitude: 36.53725

Longitude: -96.4131

Photographer: Matthew Allen

Description: This was a TDS field reading of 1,312 mg/L taken at the lower containment dam which had been place by the operator to prevent further downstream migration of impacted waters.