

Region 6 - Enforcement & Compliance Assurance Division

INSPECTION REPORT

Inspection Date(s):	01/13/2023	
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		
	Jeanne Eckhart (<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 9:00 a.m. on 01/13/2023 for a follow-up inspection. Duane Easley, representing Calgary Energy, LLC was present during the 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. 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 portable generators and a submersible pump along the main channel of the impacted tributary, see Appendix 1 (photo log) photo No. 1 (GPS 36.538443, -96.415749). At the same location I observed and elevated TDS field reading of 91,953 mg/L (photo No. 2), this was the highest concentration observed during the inspection.

I observed 2 portable trash/transfer pumps which had been used to removed impacted waters from the tributary. See photo No. 3 (GPS 36.538154, -96.415099). At the same location, I observed and elevated TDS field reading of 58,256 mg/L, see photo No. 4.

I observed 2 bobtail vacuum trucks which were being used to removed impacted waters from the tributary, see photo No. 5.

I observed an elevated TDS field reading of 47,450 mg/L (GPS 36.537482, -96.414324) along the impacted tributary. See photo No. 6.

I observed a transport truck and frac tank which were being used as part of the clean-up operation, the frac tank was located at the same location as the temporary containment dam. At the same location (GPS 36.537204, -96.413103), I observed an elevated TDS field reading of 11,562 mg/L.

Overall, I observed a reduction in TDS levels along the impacted tributary when compared to the initial inspection. All TDS field readings were taken with a properly calibrated YSI Pro 30 conductivity meter.

Section III – AREAS OF CONCERN

During the closing conference with Duane Easley, representing Calgary Energy, LLC, I noted my primary areas of concern. 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

After exiting the facility on 01/13/2023, I received weekly calls from Blaine Haag and Duane Easley representing Calgary Energy, LLC, where they provided progress updates related to cleanup activities. I also received multiple calls from BIA Field Inspector, Mike Perrier, updating cleanup activities and progress.

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 – 8 photos taken 1/13/2023

Appendix 1

Photograph Log 8 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: R0010034

Orientation: S

Date of Photo: 01/13/2023

Time of Photo: 9:16 AM

Latitude: 36.538443

Longitude: -96.415749

Photographer: Matthew Allen

Description: This was a photo of portable generators and an electric submersible pump which had been used to remove contaminated waters from the impacted tributary of Little Hominy 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: R0010035

Orientation: n/a

Date of Photo: 01/13/2023

Time of Photo: 9:17 AM

Latitude: 36.538443

Longitude: -96.415749

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 91,953 mg/L taken at the same location as photo No. 1.



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: R0010036

Orientation: SE

Date of Photo: 01/13/2023

Time of Photo: 9:21 AM

Latitude: 36.538154

Longitude: -96.415099

Photographer: Matthew Allen

Description: This was a photo of two trash/transfer pumps which had been used to remove contaminated waters from 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: R0010037

Orientation: n/a

Date of Photo: 01/13/2023

Time of Photo: 9:22 AM

Latitude: 36.538154

Longitude: -96.415099

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 58,256 mg/L taken at the same location as photo No. 3.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

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



Photo File Name: R0010038

Orientation: NE

Date of Photo: 01/13/2023

Time of Photo: 9:34 AM

Latitude: 36.537482

Longitude: -96.414324

Photographer: Matthew Allen

Description: This was a photo of two bobtail vacuum trucks which were being used as part of the cleanup operations.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

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



Photo File Name: R0010039

Orientation: n/a

Date of Photo: 01/13/2023

Time of Photo: 9:37 AM

Latitude: 36.537482

Longitude: -96.414324

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 47,450 mg/L taken in the main channel of the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

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

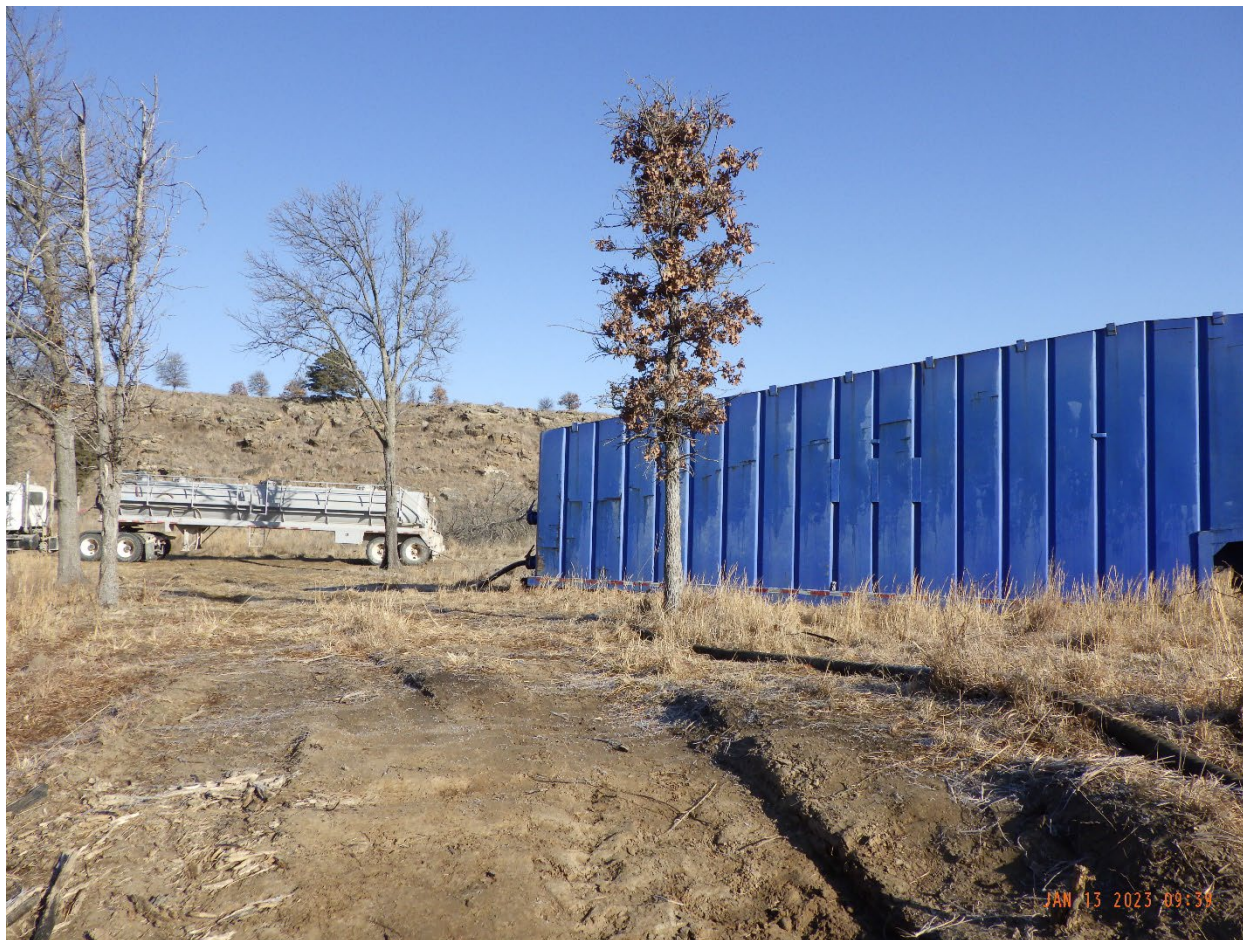


Photo File Name: R0010040

Orientation: N

Date of Photo: 01/13/2023

Time of Photo: 9:39 AM

Latitude: 36.537204

Longitude: -96.413103

Photographer: Matthew Allen

Description: This was a transport and frac tank which were both used during cleanup operations.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

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



Photo File Name: R0010041

Orientation: n/a

Date of Photo: 01/13/2023

Time of Photo: 9:41 AM

Latitude: 36.537204

Longitude: -96.413103

Photographer: Matthew Allen

Description: This was a TDS field reading of 11,562 mg/L taken at the lowermost temporary containment dam. This reading represents an improvement over the initial spill inspection observations.