

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	05/21/2024	
Media Program:	Water (CWA)	
Regulatory Program(s)	Water (CWA) Brine Program (Oil & Gas inspection)	
Company Name:	Jerry Langley Oil Company, LLC	
Facility Name:	Flowline release from Tom #14 Tank Battery	
Facility Physical Location:	From All Gulf Rd, off an oil lease road in Smackover at 33.339567, -92.687617	
(city, state, zip code)	Smackover, AR 71762	
Mailing address:	100 East 7th Street	
(city, state, zip code)	Smackover, AR 71762	
County/Parish:	Union County	
Facility Phone Number	870-725-3042	
Facility Contact:	Jerry Langley	Owner / Operator
	jloc58@yahoo.com	
FRS Number:	N/A	
Identification/Permit Number:	ARU002237	
Media Identifier Number:	N/A	
NAICS:	211111	
SIC:	1311	
Personnel participating in inspection:		
Kerri McCabe (lead)	EPA / Region 6 ECDW	Inspector / Enforcement Officer
EPA Lead Inspector Signature/Date		
	Kerri McCabe	Date
Supervisor Signature/Date		
	Jeanne Eckhart	Date

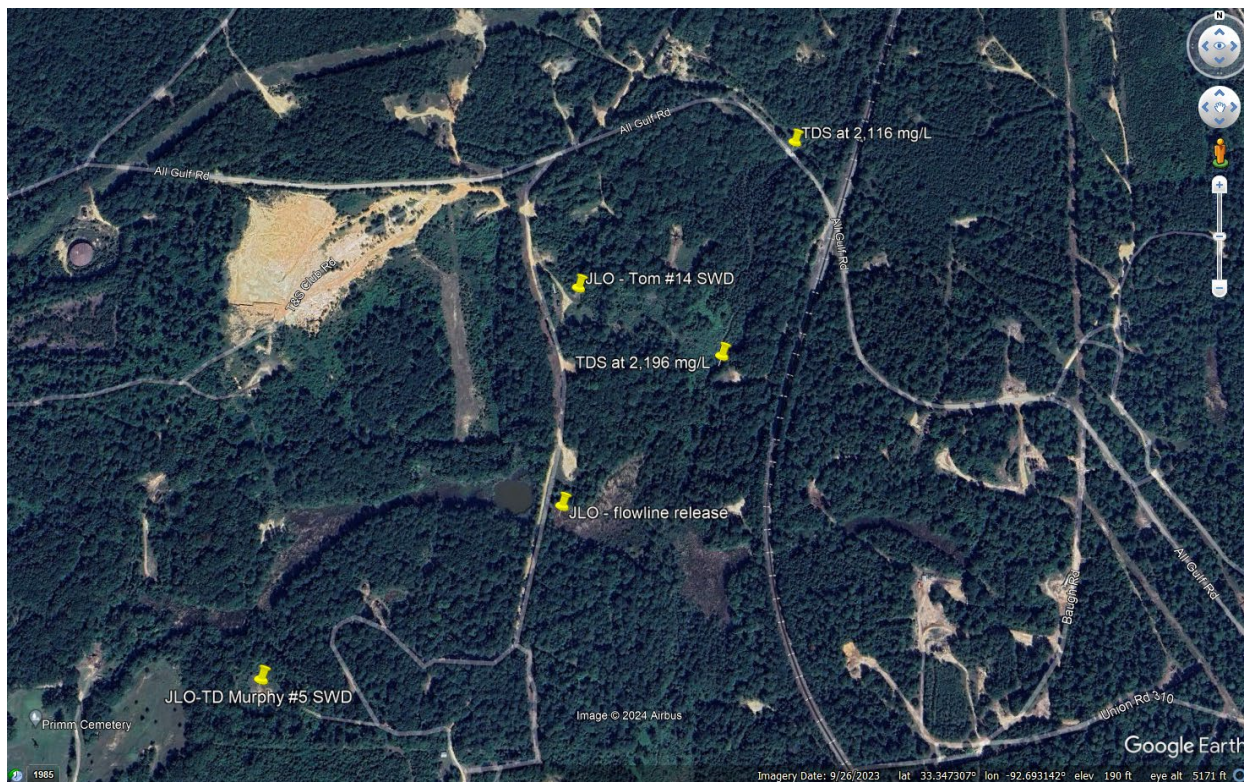
Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspector Kerri McCabe (lead) arrived at the Jerry Langley Oil Co., LLC / Flowline Release from the Tom #14 Tank Battery, located from All Gulf Road, off an oil lease road at 33.341269, -92.686701, at 1422 on 05/21/2024 for an announced inspection. No facility representatives were present at the time of the inspection. The inspection was conducted by the authority of the Clean Water Act (CWA) to determine compliance with Environmental Protection Agency (EPA) regulations. There were no other federal, state, or local agency representatives present at the time of the inspection.

FACILITY DESCRIPTION

EPA conducted an inspection on the Jerry Langley Oil Co., LLC / Flowline Release from the Tom #14 Tank Battery, which was a release of crude oil and saltwater into a wetland as a result of a ruptured, subsurface flowline connected to the Tom #14 tank battery. The system contains one (1) tank battery and two (2) SWD injection wells: Tom #14 and TD Murphy #5. The ruptured flowline was connected to the tank battery and the TD Murphy #5 SWD well.



Aerial Image 1. Overview of the area of the release and the associated Jerry Langley Oil (JLO) SWD wells and downstream TDS readings for the unnamed tributary (UT) of Smackover Creek. Google Earth image date 09/26/2023.

Section II – OBSERVATIONS

I observed repairs to the ruptured flowline and the impacted wetland, see Appendix 1 (Photograph Log), Photo No. 1 through No. 3. For additional GPS location and photo metadata, see Appendix 1.

I observed the Jerry Langley Oil Co., LLC – TD Murphy #5 SWD injection well (no sign). The flowline was connected to this SWD well. See Photo No. 4.

I observed the Jerry Langley Oil Co., LLC – Tom #14 SWD injection well and the Tom #14 Tank Battery. This SWD well receives most of the saltwater coming into the system. See Photo No. 5.

I observed the pump, valves, and flowlines connected to the Tom #14 Tank Battery. See Photo No. 6.

I collected a Total Dissolved Solids (TDS) reading of 2,116 mg/L at the All Gulf Road bridge, which is downstream of the impacted wetland, at an unnamed tributary (UT) of Smackover Creek. See Photo No. 7.

I observed the vegetation and bed and bank features upstream and downstream of the UT of Smackover Creek, where the TDS reading was collected. See Photo No. 8 and No. 9.

I observed the area in and around the UT of Smackover Creek that was used by Jerry Langley Oil Co., LLC personnel to collect flush water from the impacted wetland. See Photo No. 10 and No. 11.

I collected a TDS reading of 2,196 mg/L from the area used as a collection site for the flush water from the impacted wetland. See Photo No. 12.

I observed the vegetation and bed and bank features upstream and downstream of the collection site, where the TDS reading was collected. See Photo No. 13 and No. 14.

Section III – AREAS OF CONCERN

No closing conference was held due to no personnel with Jerry Langley Oil Co., LLC being present during the inspection. Areas of concern at the time of the inspection include:

- Residual crude oil and saltwater staining at the area of the ruptured flowline in the impacted wetland;
- Elevated TDS readings in the UT of Smackover Creek.

Section IV – FOLLOW UP

Inspector will conduct follow-up phone calls with the company representative(s) over the coming weeks and months to ensure areas of concern are properly addressed.

Section V – LIST OF APPENDICES

Appendix 1 – Photograph Log – 14 photos taken 05/21/2024.

Appendix 1

Photograph Log 14 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010127

Orientation: E-SE

Date of Photo: 05/21/2024

Time of Photo: 1604

Latitude: 33.341383

Longitude: -92.686850

Photographer: Kerri McCabe

Description: Looking E-SE, this photo shows the wetland impacted by the Tom #14 Tank Battery flowline release noted in the 03/12/2024 inspection by Uma Lad. Jerry Langley Oil Co., LLC personnel had excavated and repaired the flowline.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010128

Orientation: S-SE

Date of Photo: 05/21/2024

Time of Photo: 1604

Latitude: 33.341383

Longitude: -92.686850

Photographer: Kerri McCabe

Description: Looking S-SE, this photo shows an additional view of the wetland impacted by the Tom #14 Tank Battery flowline release.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010129

Orientation: W-SW

Date of Photo: 05/21/2024

Time of Photo: 1604

Latitude: 33.341383

Longitude: -92.686850

Photographer: Kerri McCabe

Description: Looking W-SW, this photo shows an additional view of the wetland impacted by the Tom #14 Tank Battery flowline release. Jerry Langley Oil Co., LLC personnel had excavated and repaired the flowline.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010131

Orientation: SW

Date of Photo: 05/21/2024

Time of Photo: 1642

Latitude: 33.339150

Longitude: -92.691067

Photographer: Kerri McCabe

Description: Looking SW, this photo shows the Jerry Langley Oil Co., LLC – TD Murphy #5 SWD well (with no sign). The ruptured flowline connects to this SWD well.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010132

Orientation: E-SE

Date of Photo: 05/21/2024

Time of Photo: 1651

Latitude: 33.344017

Longitude: -92.686550

Photographer: Kerri McCabe

Description: Looking E-SE, this photo shows the Jerry Langley Oil Co., LLC – Tom #14 SWD well. This SWD well is located at the tank battery and receives most of the saltwater collected at the tank battery.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010133

Orientation: S-SW

Date of Photo: 05/21/2024

Time of Photo: 1652

Latitude: 33.343951

Longitude: -92.686655

Photographer: Kerri McCabe

Description: Looking S-SW, this photo shows the pump and valves associated with the Tom #14 Tank Battery, which directs flow to two (2) SWD injection wells.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010134

Orientation: NE

Date of Photo: 05/21/2024

Time of Photo: 1705

Latitude: 33.346167

Longitude: -92.682900

Photographer: Kerri McCabe

Description: Looking NE, this photo shows a TDS reading of 2,116 mg/L at the All Gulf Road bridge, which is the downstream location for the wetlands in Photo No. 1-3.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.		
City: Smackover	County/Parish: Union	State: Arkansas



Photo File Name: R0010136

Orientation: W-SW

Date of Photo: 05/21/2024

Time of Photo: 1705

Latitude: 33.346167

Longitude: -92.682900

Photographer: Kerri McCabe

Description: Looking W-SW, this photo shows the upstream view of the receiving stream, unnamed tributary (UT) of Smackover Creek, for the TDS reading in Photo No. 8.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010135

Orientation: NE

Date of Photo: 05/21/2024

Time of Photo: 1705

Latitude: 33.346167

Longitude: -92.682900

Photographer: Kerri McCabe

Description: Looking NE, this photo shows the downstream view of the receiving stream, UT of Smackover Creek, for the TDS reading in Photo No. 8.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010137

Orientation: W-NW

Date of Photo: 05/21/2024

Time of Photo: 1717

Latitude: 33.343167

Longitude: -92.684217

Photographer: Kerri McCabe

Description: Looking W-NW, this photo shows the area in the receiving stream, UT of Smackover Creek, used for the collection of flush water. The hose in the photo was used to connect to a pumper truck operated by Jerry Langley Oil Co., LLC personnel.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010138

Orientation: SE

Date of Photo: 05/21/2024

Time of Photo: 1717

Latitude: 33.343152

Longitude: -92.684217

Photographer: Kerri McCabe

Description: Looking SE, this photo shows the hosing, from Photo No. 10, that was used for collecting flush water, staged on a well pad for the pumper truck.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010139

Orientation: NW

Date of Photo: 05/21/2024

Time of Photo: 1723

Latitude: 33.343233

Longitude: -92.684133

Photographer: Kerri McCabe

Description: Looking NW, this photo shows a TDS reading of 2,196 mg/L for the flush water collection site in the receiving stream, UT of Smackover Creek.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010140

Orientation: W-SW

Date of Photo: 05/21/2024

Time of Photo: 1723

Latitude: 33.343233

Longitude: -92.684133

Photographer: Kerri McCabe

Description: Looking W-SW, this photo shows the upstream view of the receiving stream, UT of Smackover Creek, for the TDS reading in Photo No. 12.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: Jerry Langley Oil Co., LLC – Flowline Release (Tom #14 Tank Battery) from All Gulf Road, off an oil field lease road at 33.341337, -92.686766.

City: Smackover

County/Parish: Union

State: Arkansas



Photo File Name: R0010141

Orientation: N

Date of Photo: 05/21/2024

Time of Photo: 1724

Latitude: 33.343233

Longitude: -92.684133

Photographer: Kerri McCabe

Description: Looking N, this photo shows the downstream view of the receiving stream, UT of Smackover Creek, for the TDS reading in Photo No. 12.