

Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	02/27/2025	
Media Program:	Water	
Regulatory Program(s)	Clean Water Act – National Pollutant Discharge Elimination System (Brine)	
Company Name:	4D Oil & Gas, LLC	
Facility Name:	Nellie Noble Lease Tank Battery	
Facility Physical Location:	36.697949, -96.133679	
(city, state, zip code)	Okesa, OK, 74003	
Mailing address:	532 Kihekah Ave.	
(city, state, zip code)	Pawhuska, OK, 74056	
County/Parish:	Osage County	
Facility Phone Number	580-541-5802	
Facility Contact:	Dustin Hirrlinger	620-330-0213
	Butch.mccomas@gmail.com	
FRS Number:	n/a	
Identification/Permit Number:	OKU002212	
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	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspector Matthew Allen arrived at the 4D Oil & Gas, LLC/Nellie Noble Lease tank battery (OKU002212) at 2:50 PM on 2/27/2025 for an unannounced inspection. This was an EPA inspection in response to a citizen complaint which was received by EPA Region 6. The inspection was conducted under the authority of the Clean Water Act (CWA) to ensure compliance with Environmental Protection Agency (EPA) regulations. No other local, state, tribal or federal partners were present at the time of the inspection.

FACILITY DESCRIPTION

EPA conducted an inspection at the 4D Oil & Gas, LLC/Nellie Noble Lease tank battery (OKU002212). The facility consisted of the 4D Oil & Gas, LLC/Nellie Noble Lease tank battery, and the connected wells and flowlines.

Section II - OBSERVATIONS

I observed the Nellie Noble Lease tank battery facility signage. A recent spill inside the Nellie Noble tank battery was the source of the citizen complain. See photo No. 1, of Appendix 1 (photo log). For additional GPS location information and photo metadata, see the attached photo log.

I observed the Nellie Noble tank battery along the east side of the facility, this facility overview can be seen in photo No. 2.

I observed the west side of the facility. At the time of the inspection, there was significant oil staining on the soil, gravel and vegetation inside the facilities' secondary containment. This facility overview and oil staining can be seen in photo No. 3.

I observed the oil-stained sump/pit area at the northwest corner of the facility. See photo No. 4.

I observed an oil-stained area immediately north of the northernmost tank at the facility. This area appeared to be caused by leaking piping or valves. See photo No. 5.

I observed the facilities' loading area, which was located outside of the secondary containment. There was oil-stained soil/gravel present at the time of the inspection. See photo No. 6.

Section III – AREAS OF CONCERN

The primary area of concern at the time of the inspection was the significant oil staining located both inside and outside of the facility.

Section IV – FOLLOW UP

Inspector referred the facility to the EPA-SPCC/FRP program for further evaluation.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 6 photos taken 2/27/2025.

Appendix 1

Photograph Log 6 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0086

Orientation: W

Date of Photo: 02/27/2025

Time of Photo: 2:54 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was the facility sign for the 4D Oil & Gas, LLC, Nellie Noble lease tank battery at the time of the inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0087

Orientation: NW

Date of Photo: 02/27/2025

Time of Photo: 2:54 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was an overview of the facility facing northwest.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0088

Orientation: N

Date of Photo: 02/27/2025

Time of Photo: 2:55 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was a view down the west side of the facility showing the oil-stained floor of the facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0089

Orientation: SW

Date of Photo: 02/27/2025

Time of Photo: 2:56 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was a view of the sump/pit area with oil-stained soil/gravel present.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0090

Orientation: W

Date of Photo: 02/27/2025

Time of Photo: 2:56 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was an oil-stained area inside the facility.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: 36.697949, -96.133679		
City: Okesa	County/Parish: Osage	State: Oklahoma



Photo File Name: IMG_0091

Orientation: S

Date of Photo: 02/27/2025

Time of Photo: 2:57 PM

Latitude: 36.697949

Longitude: -96.133679

Photographer: Matthew Allen

Description: This was an oil-stained area, outside the secondary containment, at the loading area.