

Region 6 - Enforcement & Compliance Assurance Division

INSPECTION REPORT

Inspection Date(s):	12/07/2022	
Media Program:	Water, Clean Water Act (Brine)	
Regulatory Program(s)	Brine (NPDES)	
Company Name:	CapturePoint, LLC	
Facility Name:	North Burbank Unit (NBU) 31 Battery	
Facility Physical Location:	36.819045, -96.743105	
(city, state, zip code)	Shidler, Oklahoma, 74652	
Mailing address:	1833 S. Morgan Road	
(city, state, zip code)	Oklahoma City, Oklahoma, 73128	
County/Parish:	Osage	
Facility Phone Number	918-287-6811	
Facility Contact:	Talia Clark	HSE Tech
FRS Number:	n/a	
Identification/Permit Number:	OKU002129	
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		
	{Supervisor name}	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspector Matthew Allen arrived at the CapturePoint, LLC / North Burbank Unit (NBU) 31 Battery – Well 23-43 (EPA ID No. OKU002129) at 2:00 PM on 12/07/2022 for an unannounced inspection. This was an EPA inspection in response to a National Response Center Spill Report (NRC No. 1354392) 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 representatives present at the time of the inspection.

FACILITY DESCRIPTION

EPA conducted an inspection at the CapturePoint, LLC North Burbank Unit 31 Battery, well # NBU 23-43, where an equipment failure at the well head released produced water/oil and drilling mud to the land surface. The released fluids traveled west, down the lease road, and ultimately flowed into a nearby unnamed tributary which was dry at the time of the spill event. CapturePoint, LLC representatives estimated the total amount of spilled fluids to be approximately 250 barrels.

Section II – OBSERVATIONS

From a safe distance, I observed the workover rig performing containment and repair actions on well NBU 23-43 (see photo log, photo No. 1). Well NBU 23-43 was the source from which the blowout occurred, releasing the brine and drilling mud into the unnamed tributary. NBU 23-43 was part of the lease connected to the NBU 31 Battery. I observed the flowpath (see photo No. 2) from the release point (well NBU 23-43) as it traveled west along the lease road toward the Point of Entry (POE).

I observed the POE (GPS 36.891045, -96.743105) into the main channel of the unnamed tributary (photo No. 3). I observed a TDS field reading of 102,746 mg/L at the POE (photo No. 4). I observed additional TDS field readings of 85,194 mg/L (photo No. 6) and 71,490 mg/L (photo No. 8) along the main channel of the impacted tributary. TDS field readings were taken with a properly calibrated YSI Pro 30 conductivity meter, calibration information was recorded in the inspection field notes logbook.

I observed three (3) temporary containment dams placed by the operator to prevent further downstream migration of contaminants (see photo No. 7 for the lowermost dam). I observed 2 vacuum trucks removing contaminated water from the impacted tributary. At the time of the inspection, the blowout and spill were both contained, and the spill had traveled approximately .15 miles.

Section III – AREAS OF CONCERN

The primary area of concern was to remove the produced water and drilling mud from the flowpath and the impacted tributary.

Section IV – FOLLOW UP

No additional information was received by EPA after exiting the Facility on 12/07/2022.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 8 photos

Appendix 1

Photograph Log 8 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0840

Orientation: N

Date of Photo: 12/07/2022

Time of Photo: 2:00 PM

Latitude: 36.818225 estimated

Longitude: -96.742519 estimated

Photographer: Matthew Allen

Description: Workover rig on well location where blowout occurred (well NBU 23-43). The rig was actively working, EPA Inspector kept a safe distance away from rig.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0841

Orientation: E

Date of Photo: 12/07/2022

Time of Photo: 2:04 PM

Latitude: 36.819045

Longitude: -96.743105

Photographer: Matthew Allen

Description: This was a photo from the Point of Entry (POE) looking along the lease road/flowpath, with a view to the east toward the release point.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0842

Orientation: S

Date of Photo: 12/07/2022

Time of Photo: 2:04 PM

Latitude: 36.891045

Longitude: -96.743105

Photographer: Matthew Allen

Description: This was the POE into the unnamed tributary. The spilled fluids traveled down the lease road and spilled directly into the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0843

Orientation: n/a

Date of Photo: 12/07/2022

Time of Photo: 2:08 PM

Latitude: 36.819045

Longitude: -96.743105

Photographer: Matthew Allen

Description: TDS field reading of 102,746 mg/L, this was taken at the POE.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0844

Orientation: SW

Date of Photo: 12/07/2022

Time of Photo: 2:09 PM

Latitude: 36.818879

Longitude: -96.743175

Photographer: Matthew Allen

Description: This was the main channel of the impacted tributary. Upstream and downstream from this location, in areas not impacted by the spill, the main channel of the tributary was dry.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0845

Orientation: n/a

Date of Photo: 12/07/2022

Time of Photo: 2:11 PM

Latitude: 36.818722

Longitude: -96.743266

Photographer: Matthew Allen

Description: TDS field reading of 85,194 mg/L taken in the main channel of the impacted tributary.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0848

Orientation: W

Date of Photo: 12/07/2022

Time of Photo: 2:36 PM

Latitude: 36.1818439

Longitude: -96.745222

Photographer: Matthew Allen

Description: Lowermost, temporary containment dam placed by the operator to prevent downstream migration of contaminated water.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: 36.819045, -96.743105		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: DSCN0847

Orientation: n/a

Date of Photo: 12/07/2022

Time of Photo: 2:17 PM

Latitude: 36.818439

Longitude: -96.745222

Photographer: Matthew Allen

Description: TDS field reading of 71,490 mg/L taken in the last pool of water, in the main channel of the impacted tributary. The remaining area below this point which was impacted had already been drained by the operator as part of their cleanup operation.