

Region 6 - Enforcement & Compliance Assurance Division

INSPECTION REPORT

Inspection Date(s):	05/25/2023	
Media Program:	Water, Clean Water Act (Brine)	
Regulatory Program(s)	Brine (NPDES)	
Company Name:	CapturePoint, LLC	
Facility Name:	North Burbank Unit (NBU) Well #10-13	
Facility Physical Location:	36.8382969, -96.7329475	
(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:	OKU000808	
Media Identifier Number:	n/a	
NAICS:	211111	
SIC:	1311	
Personnel participating in inspection:		
Matthew Allen	EPA/Region 6 ECDW	Lead Inspector
Jeanne Eckhart	EPA/Region 6 ECDW	Inspector
Tamara Griffin	EPA/Region 6 ECDW	Inspector
Michael Blaha	EPA/Region 6 ECDW	Inspector in training
Talia Clark	CapturePoint, LLC	HSE Tech
EPA Lead Inspector Signature/Date		
	Matthew Allen	Date
Supervisor Signature/Date		
	Enoch Johnbull (<i>acting</i>)	Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors Matthew Allen (lead inspector), Jeanne Eckhart, Tamara Griffin and Michael Blaha arrived at the CapturePoint, LLC / North Burbank Unit (NBU) (EPA ID No. OKU000808) at 12:10 PM on 05/25/2023 for an announced inspection. This was an EPA inspection in response to a National Response Center Spill Report (NRC No. 1367639) 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. CapturePoint, LLC representative, Talia Clark, participated throughout the inspection. 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 (NBU), well # 10-13, where an inactive well released CO₂, produced water/oil and drilling mud to the land surface, ultimately impacting an unnamed tributary as released fluids migrated downgradient. The released fluids traveled in a general northward direction.

Section II – OBSERVATIONS

I observed the ongoing release, which was well NBU 10-13. Well # 10-13 (release point) can be seen in the Appendix 1 (photo log) photo's 1 and 2 which is attached to this report. From this same location, I observed the first and uppermost, temporary containment pit/dam which can also be seen in the photos. GPS location information is stamped on each photo as well as listed in the metadata section below each photo in the photo log.

I observed the second, temporary containment pit/dam which can be seen in photo No. 3. While the release was being contained at the time of the inspection, we maintained a safe distance from the active release in areas closest to the release point.

I observed the third, temporary containment pit/dam and observed a TDS field reading of 79,899 milligrams per liter (mg/L) from the contained waters. This was the highest level of TDS observed during the inspection. These observations can be seen in photos 4 and 5. All TDS field readings were taken the EPA issued, properly calibrated, YSI Pro 30 conductivity meter. At the same location, I observed water transfer pumps removing water from the catch pit and transferring it to a nearby underground injection facility as stated by Talia Clark.

I observed the initial pure/release discovery point. Talia Clark stated the release was initially discovered at this location and initial containment measures were implemented, but the ultimate source of the

purge was traced back to well # 10-13. The initial discovery area can be seen in photo No. 6. At the same location I observed an elevated TDS field reading of 42,701 mg/L, which is documented in photo No. 7. I observed the fourth downstream containment pit/dam as well as an elevated TDS field reading of 16,731 mg/L. These observations can be seen in photo's No. 8 and 9.

Immediately downstream from the 4th and lowermost temporary containment dam, I observed an elevated TDS field reading of 4,911 mg/L (see photo No. 10) This observation suggested the contaminated water may be leaching through or under the lowermost containment pit/dam. Talia Clark stated she would have men and equipment place an additional downstream containment dam to prevent further downstream migration of elevated TDS waters.

Continuing downstream, I observed an elevated TDS field reading of 3,113 mg/L which can be seen in photo No. 11.

Continuing north/downstream, I observed an elevated TDS field reading of 1,769 mg/L which can be seen in photo No. 12. Talia Clark stated from about this point and continuing downstream, we could also observe historic spill impacts, which were under ongoing cleanup operations. I did observe a small gasoline water pump and transfer hose near this location as evidence of recent cleanup activities.

I observed an elevated TDS field reading of 1,459 mg/L along the impacted tributary. This represented the lowest observed TDS field reading along the main channel of the tributary. At the same location, I observed the bed and bank features of the impacted tributary, these observations can be seen in photos No. 14 and 14. There were no containment structures below this point to prevent downstream migration of impacted waters.

I observed a TDS field reading of 931 mg/L taken in an unimpacted stream just upstream, before the confluence with the impacted tributary. I observed the bed and bank features along the unimpacted stream. This TDS field reading was equivalent to background TDS levels in the area. These observations can be seen in photos No. 16 and 17.

Section III – AREAS OF CONCERN

The primary areas of concern included the ongoing purge/discharge of saltwater, the impacted overland flowpath and the impacted, unnamed tributary which ultimately connects to Kaw Lake.

During the inspection, Talia Clark, representing CapturePoint, LLC stated the company would place an additional downstream containment dam to prevent additional downstream migration.

Section IV – FOLLOW UP

On 05/26/2023, inspector received photos of 3 additional containment dams which had been placed by the operator along the impacted tributary.

EPA inspector will continue to follow up with site visits and phone calls until the impacted areas are restored.

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 17 photos

Appendix 1

Photograph Log 17 Photos



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010170

Orientation: N

Date of Photo: 05/25/2023

Time of Photo: 12:14 PM

Latitude: 36.83858

Longitude: -96.73313

Photographer: Matthew Allen

Description: This was the location of the blowout. This was well NBU 10-13. This was also the first containment pit.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010171

Orientation: NW

Date of Photo: 05/25/2023

Time of Photo: 12:31 PM

Latitude: 36.8388

Longitude: -96.73313

Photographer: Matthew Allen

Description: This was the location of the blowout. This was well NBU 10-13. This was also the first containment pit.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010172

Orientation: N

Date of Photo: 05/25/2023

Time of Photo: 12:32 PM

Latitude: 36.83879

Longitude: -96.73314

Photographer: Matthew Allen

Description: This was the second containment pit.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010173

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 12:42 PM

Latitude: 36.83973

Longitude: -96.73255

Photographer: Matthew Allen

Description: This was a TDS field reading of 79,889 mg/L taken in the third containment pit.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010174

Orientation: SE

Date of Photo: 05/25/2023

Time of Photo: 12:43 PM

Latitude: 36.83978

Longitude: -96.73253

Photographer: Matthew Allen

Description: This was the third containment pit. Large injection pumps were transporting water for underground injection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010175

Orientation: S

Date of Photo: 05/25/2023

Time of Photo: 12:54 PM

Latitude: 36.84057

Longitude: -96.73217

Photographer: Matthew Allen

Description: This was the location where the pure was initially discovered.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010176

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:01 PM

Latitude: 36.84073

Longitude: -96.73227

Photographer: Matthew Allen

Description: This was a TDS field reading of 42,701 mg/L at the location where the purge was initially discovered.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010177

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:12 PM

Latitude: 36.84256

Longitude: -96.72997

Photographer: Matthew Allen

Description: This was a TDS field reading of 16,731 mg/L taken at the fourth downstream containment dam.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010178

Orientation: S

Date of Photo: 05/25/2023

Time of Photo: 1:13 PM

Latitude: 36.84256

Longitude: -96.72997

Photographer: Matthew Allen

Description: This was the fourth downstream containment pit/dam which had been placed by the operator.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010179

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:16 PM

Latitude: 36.84283

Longitude: -96. 73005

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 4,911 mg/L taken downstream from the fourth/lowermost containment pit/dam.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010180

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:23 PM

Latitude: 36.84326

Longitude: -96.72960

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 3,113 mg/L taken downstream from the lowermost containment structure.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010181

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:30 PM

Latitude: 36.84417

Longitude: -96.72958

Photographer: Matthew Allen

Description: This was an elevated TDS field of 1,769 mg/L reading observed downstream from the lowermost containment structure.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010182

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:31 PM

Latitude: 36.84417

Longitude: -96.72958

Photographer: Matthew Allen

Description: This was a photo of the streams bed and bank features where the TDS field reading of 1,769 mg/L from photo No. 12 was taken.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010183

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:35 PM

Latitude: 36.84484

Longitude: -96.72942

Photographer: Matthew Allen

Description: This was an elevated TDS field reading of 1,459 mg/L taken downstream from the lowermost containment structure.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 15

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010184

Orientation: S

Date of Photo: 05/25/2023

Time of Photo: 1:36 PM

Latitude: 36.84484

Longitude: -96.72942

Photographer: Matthew Allen

Description: This was the bed and bank features of the stream where the TDS field reading from photo No. 14 was taken.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 16

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010185

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:43 PM

Latitude: 36.84589

Longitude: -96.72920

Photographer: Matthew Allen

Description: This was a TDS field reading of 931 mg/L taken from an unimpacted stream just before its confluence with the impacted tributary. This measurement ~~should be used to assess~~ was the background TDS levels in the area.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 17

Location: 36.83858, -96.73313		
City: Shidler	County/Parish: Osage	State: Oklahoma



Photo File Name: R0010186

Orientation: n/a

Date of Photo: 05/25/2023

Time of Photo: 1:44 PM

Latitude: 36.84589

Longitude: -96.72920

Photographer: Matthew Allen

Description: This was the bed and bank features of the unimpacted stream where the TDS measurement from photo No. 16 was taken.