



June 6, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Remediation Report and Closure Request

Lateral J-2 Pipeline
San Juan County, New Mexico
Harvest Four Corners, LLC
NMOCD Incident No: nAPP2323651745

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents the following *Remediation Report and Closure Request* detailing remediation and soil sampling activities for a natural gas release on the Lateral J-2 Pipeline (Site). This report has been updated based on the New Mexico Oil Conservation Division's (NMOCD) denial of the original closure request on March 6, 2024.

The Site is located on Federal land within Unit A, Section 30, Township 29 North, Range 09 West, near Blanco, New Mexico, San Juan County (Figure 1). Based on field observations, field screening, and laboratory analytical results from soil sampling activities, Harvest is submitting this Closure Request for the release at the Site.

RELEASE BACKGROUND

On August 23, 2023, a flyover leak detection survey conducted by Kairos Aerospace reported a leak on the Lateral J-2 Pipeline. Harvest responded to the report and found the leak at 11:00 AM. Upon discovery of the release, the pipeline was immediately shut-in and blown down to stop any further gas release. The line was completely blown down and the leak was stopped by 11:30 AM. Harvest estimates that approximately 156.54 thousand cubic feet (Mcf) of natural gas was released over a period of 145.85 hours.

An initial Release Notification and Corrective Action Form C-141 (Form C-141) was submitted to the NMOCD and a Report of an Undesirable Event was submitted to the Bureau of Land Management (BLM) on September 7, 2023, and the release was assigned Incident Number nAPP2323651745.

SITE DESCRIPTION AND CLOSURE CRITERIA

Ensolum characterized the Site to determine applicability of Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). The shallowest depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data, and the proximity of a wash. The closest permitted well with depth to groundwater data

is United States Geological Survey (USGS) well SJ 02122, a monitoring well located approximately 0.85 miles west of the Site. The SJ 02122 well has a depth to groundwater of approximately 12 feet bgs (Attachment 1). The ground surface elevation at the SJ 02122 well is approximately 5,584 feet above mean sea level (amsl), which is approximately 76 feet lower in elevation than the Site.

The release occurred where the pipeline crosses an unnamed wash and is therefore in a significant watercourse. The lateral extent of the release is greater than 300 feet from any lakebed, sinkhole, or playa lake and is greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is not located within 1,000 feet to a freshwater well or spring or within a 100-year floodplain. The Site is located in a stable area with low karst potential.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

EXCAVATION AND SOIL SAMPLING

Harvest personnel excavated impacted material after the release occurred. The top of the excavation was approximately 24 feet long by 13 feet wide by 7 feet deep. Approximately 80 cubic yards of soil were excavated and disposed of at a licensed Envirotech landfarm disposal facility. Harvest submitted a sampling notification to the NMOCD and the BLM on November 6, 2023, (Attachment 2). On November 8, 2023, Harvest personnel collected a total of five, five-point composite soil samples from the sidewalls and floor of the excavation. Figure 2 depicts the area of the release and the soil sample locations. A photographic log is included as Attachment 3.

The soil samples were shipped under chain-of-custody (COC) procedures to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for the following analysis:

- BTEX by United States Environmental Protection Agency (EPA) Method 8021B
- TPH-GRO, TPH-DRO, and TPH-MRO by EPA Method 8015M/D
- Chloride anion by EPA Method 300.0

Analytical results indicated that TPH-GRO, TPH-DRO, TPH-MRO, BTEX compounds and chloride concentrations were not detected in any of the soil samples above laboratory reporting limits. Analytical results are summarized in Table 1 and the laboratory analytical report and COC documentation for the soil samples is included as Attachment 4.

CLOSURE REQUEST

Ensolum, on behalf of Harvest, submitted a Closure Request for the Site on September 21, 2023. The request was denied due to an insufficient number of composite floor samples collected to comply with 19.15.29.12 D.(1)(c) NMAC. In addition, Figure 2 "Soil Sample Location Map" that was provided was not to scale and therefore did not comply with 19.15.29.12 E.(1)(a) NMAC.

The dimensions provided for the excavation extent represented the top of the excavation and did not accurately depict the floor of the excavation which had a smaller footprint due to the sloped sidewalls. A more accurate and scaled sampling diagram is provided as Figure 2 in this report

and shows that the floor of the excavation was less than 200 square feet, due to the sidewalls being sloped. In addition, the photographic log (Attachment 3) shows the smaller footprint of the excavation floor, and the sloped sidewalls. The revised Figure 2 is a more accurate and detailed representation of the excavation and the sample locations and shows that the composite samples collected on November 8, 2023, meet the sampling frequency required to be compliant with 19.15.29.12 D.(1)(c) NMAC.

The excavation efforts removed the impacted soil from the Site and samples were collected in compliance with the closure requirements listed in NMAC 19.15.29.12. Laboratory analytical results from the soil-sampling conducted by Harvest indicate that all samples were below Closure Criteria, and no impacted soil remains at the Site, indicating that the release has been successfully remediated.

Based on the results presented in this report, Harvest does not believe the natural gas release at Lateral J-2 Pipeline resulted in imminent risk to human health, the environment, or groundwater. Harvest requests closure of Incident Number nAPP2323651745 based on analytical sampling results.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC

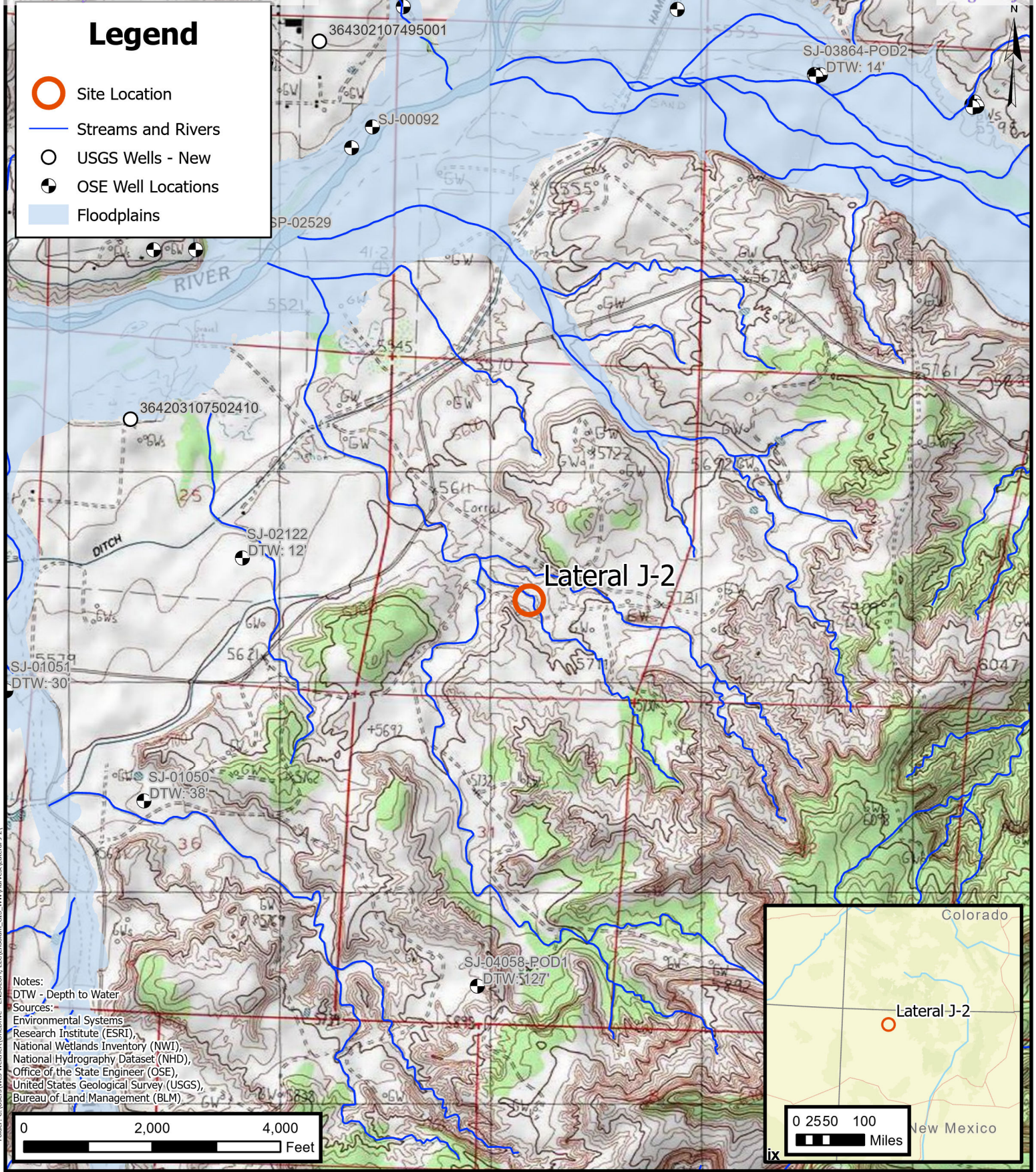


Brooke Herb
Senior Geologist
(970) 403-6824
bherb@ensolum.com

cc: Monica Smith, Harvest Four Corners, LLC

Attachments:

Figure 1: Site Receptor Map
Figure 2: Sample Location Map
Table 1: Soil Sample Analytical Results
Attachment 1: NMOSE Well Summary
Attachment 2: Sampling Notification
Attachment 3: Photographic Log
Attachment 4: Laboratory Analytical Report



Site Receptor Map
Harvest Four Corners, LLC.
Lateral J-2 Pipeline
Incident Number: nAPP2323651745
Unit A, Sec 30, T29N, R09W
San Juan Co, New Mexico, United States

FIGURE
1

FIGURE 2
SOIL SAMPLE LOCATION MAP
LATERAL J-2 PIPELINE
HARVEST FOUR CORNERS, LLC

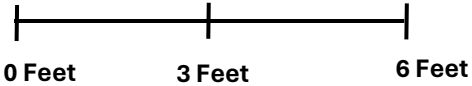
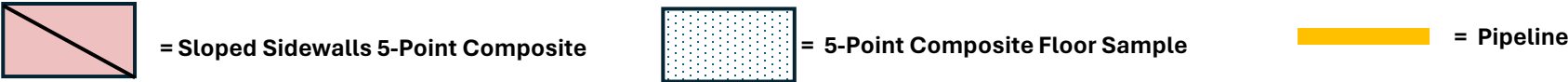
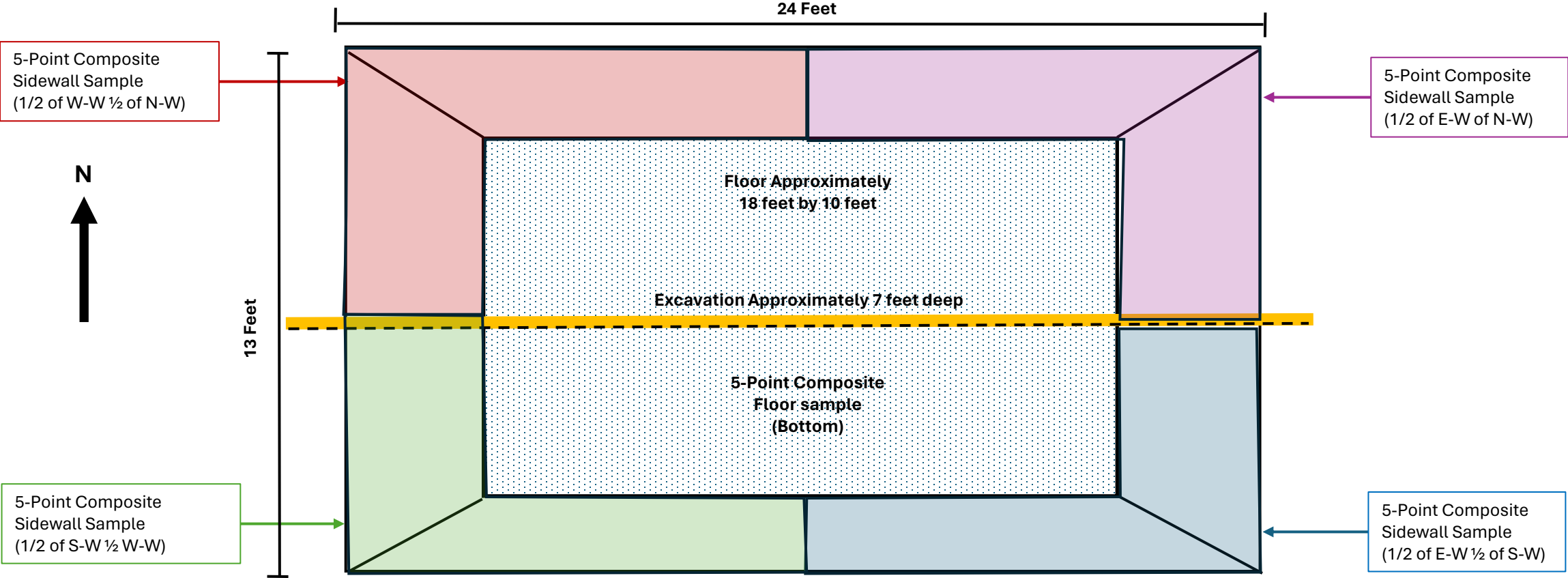




TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Lateral J-2 Pipeline
 Harvest Four Corners, LLC.
 San Juan County, New Mexico

Sample Designation	Date	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-MRO (mg/kg)	TPH-DRO (mg/kg)	TPH-Total (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	--		--	100	600
Soil Samples								
Bottom	11/8/2023	<0.016	<0.066	<3.3	<47	<9.4	<47	<60
1/2 of E-W of N-W	11/8/2023	<0.017	<0.067	<3.4	<50	<9.9	<50	<60
1/2 of E-W 1/2 of S-W	11/8/2023	<0.017	<0.068	<3.4	<48	<9.6	<48	<60
1/2 of S-W 1/2 of W-W	11/8/2023	<0.018	<0.073	<3.7	<47	<9.4	<47	<60
1/2 of W-W 1/2 of N-W	11/8/2023	<0.017	<0.067	<3.4	<47	<9.9	<47	<60

Notes:

BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
 mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria

TPH: Total Petroleum Hydrocarbons

MRO: Motor Oil Range Organics

DRO : Diesel Range Organics

GRO: Gasoline Range Organics

NMAC: New Mexico Administrative Code



New Mexico Office of the State Engineer

Water Right Summary



WR File Number: SJ 02122Subbasin: SJM2Cross Reference: -

Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Primary Status: PMT PERMIT

Total Acres:Subfile: -Header: -


Total Diversion: 3Cause/Case: -

Owner: L. L. GREENLEAF

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 get images	227796	72121	1987-04-15	PMT	LOG	SJ 02122	T		3

Current Points of Diversion

(NAD83 UTM in meters)											
POD Number	Well Tag	Source	Q						X	Y	Other Location Desc
			64	Q16	Q4	Sec	Tws	Rng			
SJ 02122		Shallow	1	4	25	29	N	10W	246769	4064788*	

An () after northing value indicates UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well LL Greenleaf Owner's Well No. _____
Street or Post Office Address Bx 613
City and State Farm, N.M.

Well was drilled under Permit No. SJ 2122 and is located in the:
a. NW $\frac{1}{4}$ SW $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ of Section 25 Township 29 Range 10 N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in San Juan County. 5
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant. 11-18

(B) Drilling Contractor McDonald Well Drilling License No. _____
Address Bx 854 Bldg 111
Drilling Began 11-30-87 Completed 12-3-87 Type tools Cable Size of hole 8 3/4 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 40 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 12 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
<u>48</u>	<u>59</u>	<u>11</u>	<u>Sand & Gravel</u>	<u>8 gpm</u>

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
<u>6</u>	<u>1 1/2</u>		<u>0</u>	<u>60</u>	<u>62</u>		<u>40</u>	<u>60</u>

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
<u>1</u>			
<u>2</u>			
<u>3</u>			
<u>4</u>			

Date Received Dec 23 1987 FOR USE OF STATE ENGINEER ONLY
Quad _____ FWL _____ FSL _____
File No. Sg. 2122 Use Dom Location No. 29N. 10W. 25. 410
(San Juan)

[illegible]

D.K. McDonald
Driller

Released to Imaging: 6/25/2024 2:30:14 PM

From: Monica Smith
Sent: Monday, November 6, 2023 1:52 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; OCDOnline@state.nm.us
Cc: Adeloye, Abiodun A <aadeloye@blm.gov>; Craun, James N <jcraun@blm.gov>
Subject: Harvest Release - Lateral J-2 - Sampling Notification

Please be advised that Harvest will be sampling the Lateral J-2 release on Wednesday November 8th at 2:00 pm.

Incident Id # nAPP2323651745

Please let me know if you have any questions.

Thank you,

Monica Smith
Environmental Specialist
Harvest Four Corners, LLC
msmith@harvestmidstream.com
505-632-4625 (office)
505-947-1852 (cell)



From: Monica Smith
Sent: Wednesday, August 23, 2023 12:15 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; OCDOnline@state.nm.us
Subject: Harvest Release - Lateral J-2

Please be advised that Harvest received notice 7/23/2023 of a possible line leak. Harvest personnel responded, upon arriving they were able to identify the leak on the ground. They immediately isolated the line and shut in wells. No visible liquid on the ground but pipeline is in a dry wash area.

Location:
Lat 36.6936006, Long 107.8191315

Please let me know if you have any questions.

Thank you,

Monica Smith
Harvest Four Corners, LLC
msmith@harvestmidstream.com
(505) 632-4625 - office

(505) 947-1852 - cell

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While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

Photographic Log
Lateral J-2 Pipeline
Harvest Four Corners, LLC
San Juan County, New Mexico

Photo #1

Excavation and J-2 Pipeline – Looking South.
Photograph taken by Harvest on 11/8/2023.



Photographic Log

Lateral J-2 Pipeline

Harvest Four Corners, LLC
San Juan County, New Mexico

Photo #2

Excavation and J-2 Pipeline – Looking East.
Photograph taken by Harvest on 11/8/2023.



Photographic Log

Lateral J-2 Pipeline

Harvest Four Corners, LLC
San Juan County, New Mexico

Photo #3

Excavation and J-2 Pipeline – Looking North.
Photograph taken by Harvest on 11/8/2023.



Photographic Log

Lateral J-2 Pipeline

Harvest Four Corners, LLC
San Juan County, New Mexico

Photo #4

Backfill photo – looking West.

Photograph taken by Harvest on 11/10/2023.





Environment Testing

Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 15, 2023

Stanley Dean

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Lat J 2

OrderNo.: 2311447

Dear Stanley Dean:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 11/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: Harvest

Client Sample ID: Bottom

Project: Lat J 2

Collection Date: 11/8/2023 3:00:00 PM

Lab ID: 2311447-001

Matrix: MEOH (SOIL) Received Date: 11/9/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/9/2023 11:55:33 AM	78677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/9/2023 10:44:08 AM	78669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2023 10:44:08 AM	78669
Surr: DNOP	101	69-147		%Rec	1	11/9/2023 10:44:08 AM	78669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/9/2023 11:30:00 AM	R101076
Surr: BFB	104	15-244		%Rec	1	11/9/2023 11:30:00 AM	R101076
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.016		mg/Kg	1	11/9/2023 11:30:00 AM	BS10107
Toluene	ND	0.033		mg/Kg	1	11/9/2023 11:30:00 AM	BS10107
Ethylbenzene	ND	0.033		mg/Kg	1	11/9/2023 11:30:00 AM	BS10107
Xylenes, Total	ND	0.066		mg/Kg	1	11/9/2023 11:30:00 AM	BS10107
Surr: 4-Bromofluorobenzene	83.4	39.1-146		%Rec	1	11/9/2023 11:30:00 AM	BS10107

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: Harvest
Project: Lat J 2
Lab ID: 2311447-003

Client Sample ID: 1/2 of E-W 1/2 of S-W
Collection Date: 11/8/2023 3:00:00 PM
Matrix: MEOH (SOIL) Received Date: 11/9/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/9/2023 12:45:12 PM	78677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/9/2023 11:27:10 AM	78669
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2023 11:27:10 AM	78669
Surr: DNOP	104	69-147		%Rec	1	11/9/2023 11:27:10 AM	78669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	11/9/2023 12:14:00 PM	R101076
Surr: BFB	102	15-244		%Rec	1	11/9/2023 12:14:00 PM	R101076
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.017		mg/Kg	1	11/9/2023 12:14:00 PM	BS10107
Toluene	ND	0.034		mg/Kg	1	11/9/2023 12:14:00 PM	BS10107
Ethylbenzene	ND	0.034		mg/Kg	1	11/9/2023 12:14:00 PM	BS10107
Xylenes, Total	ND	0.068		mg/Kg	1	11/9/2023 12:14:00 PM	BS10107
Surr: 4-Bromofluorobenzene	88.2	39.1-146		%Rec	1	11/9/2023 12:14:00 PM	BS10107

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2311447

Date Reported: 11/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: 1/2 of S-W 1/2 of W-W

Project: Lat J 2

Collection Date: 11/8/2023 3:00:00 PM

Lab ID: 2311447-004

Matrix: MEOH (SOIL)

Received Date: 11/9/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/9/2023 12:57:37 PM	78677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/9/2023 11:37:37 AM	78669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2023 11:37:37 AM	78669
Surr: DNOP	99.2	69-147		%Rec	1	11/9/2023 11:37:37 AM	78669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/9/2023 12:36:00 PM	R101076
Surr: BFB	108	15-244		%Rec	1	11/9/2023 12:36:00 PM	R101076
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.018		mg/Kg	1	11/9/2023 12:36:00 PM	BS10107
Toluene	ND	0.037		mg/Kg	1	11/9/2023 12:36:00 PM	BS10107
Ethylbenzene	ND	0.037		mg/Kg	1	11/9/2023 12:36:00 PM	BS10107
Xylenes, Total	ND	0.073		mg/Kg	1	11/9/2023 12:36:00 PM	BS10107
Surr: 4-Bromofluorobenzene	88.8	39.1-146		%Rec	1	11/9/2023 12:36:00 PM	BS10107

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2311447

Date Reported: 11/15/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: 1/2 of W-W 1/2 of N-W

Project: Lat J 2

Collection Date: 11/8/2023 3:00:00 PM

Lab ID: 2311447-005

Matrix: MEOH (SOIL)

Received Date: 11/9/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	11/9/2023 1:10:01 PM	78677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/9/2023 11:48:05 AM	78669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2023 11:48:05 AM	78669
Surr: DNOP	101	69-147		%Rec	1	11/9/2023 11:48:05 AM	78669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: KMN
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/9/2023 12:58:00 PM	R101076
Surr: BFB	107	15-244		%Rec	1	11/9/2023 12:58:00 PM	R101076
EPA METHOD 8021B: VOLATILES							Analyst: KMN
Benzene	ND	0.017		mg/Kg	1	11/9/2023 12:58:00 PM	BS10107
Toluene	ND	0.033		mg/Kg	1	11/9/2023 12:58:00 PM	BS10107
Ethylbenzene	ND	0.033		mg/Kg	1	11/9/2023 12:58:00 PM	BS10107
Xylenes, Total	ND	0.067		mg/Kg	1	11/9/2023 12:58:00 PM	BS10107
Surr: 4-Bromofluorobenzene	88.1	39.1-146		%Rec	1	11/9/2023 12:58:00 PM	BS10107

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 5 of 9

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311447
15-Nov-23

Client: Harvest
Project: Lat J 2

Sample ID: MB-78677	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 78677	RunNo: 101073
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3711665 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-78677	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 78677	RunNo: 101073
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3711666 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 92.0 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 9

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311447
15-Nov-23

Client: Harvest
Project: Lat J 2

Sample ID: 2311447-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: Bottom	Batch ID: 78669	RunNo: 101077
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3710879 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44	9.6 48.08 0 90.6 54.2 135
Surr: DNOP	4.8	4.808 100 69 147

Sample ID: 2311447-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: Bottom	Batch ID: 78669	RunNo: 101077
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3710880 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	45	9.7 48.59 0 93.3 54.2 135 3.99 29.2
Surr: DNOP	5.3	4.859 108 69 147 0 0

Sample ID: LCS-78669	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 78669	RunNo: 101077
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3710901 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	45	10 50.00 0 90.7 61.9 130
Surr: DNOP	5.1	5.000 101 69 147

Sample ID: MB-78669	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 78669	RunNo: 101077
Prep Date: 11/9/2023	Analysis Date: 11/9/2023	SeqNo: 3710903 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND	10
Motor Oil Range Organics (MRO)	ND	50
Surr: DNOP	9.9	10.00 98.9 69 147

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311447

15-Nov-23

Client: Harvest

Project: Lat J 2

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3710851		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.4	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: R101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3710852		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	15	244			

Sample ID: 2311447-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Bottom	Batch ID: R101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3710863		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	3.3	16.39	0	94.0	70	130			
Surr: BFB	1400		655.7		217	15	244			

Sample ID: 2311447-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: Bottom	Batch ID: R101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3711629		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	3.3	16.39	0	90.8	70	130	3.46	20	
Surr: BFB	1400		655.7		209	15	244	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311447

15-Nov-23

Client: Harvest

Project: Lat J 2

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: BS101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3710864		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.6	70	130			
Toluene	0.84	0.050	1.000	0	83.8	70	130			
Ethylbenzene	0.86	0.050	1.000	0	85.5	70	130			
Xylenes, Total	2.5	0.10	3.000	0	85.0	70	130			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	39.1	146			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: BS101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3710865		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.6	39.1	146			

Sample ID: 2311447-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: 1/2 of E-W 1/2 of N-	Batch ID: BS101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3711639		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.53	0.017	0.6748	0	78.7	70	130			
Toluene	0.54	0.034	0.6748	0	80.5	70	130			
Ethylbenzene	0.56	0.034	0.6748	0	82.5	70	130			
Xylenes, Total	1.7	0.067	2.024	0	81.9	70	130			
Surr: 4-Bromofluorobenzene	0.56		0.6748		83.7	39.1	146			

Sample ID: 2311447-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: 1/2 of E-W 1/2 of N-	Batch ID: BS101076		RunNo: 101076							
Prep Date:	Analysis Date: 11/9/2023		SeqNo: 3711640		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.53	0.017	0.6748	0	79.2	70	130	0.661	20	
Toluene	0.54	0.034	0.6748	0	79.8	70	130	0.835	20	
Ethylbenzene	0.55	0.034	0.6748	0	81.7	70	130	0.937	20	
Xylenes, Total	1.6	0.067	2.024	0	80.7	70	130	1.47	20	
Surr: 4-Bromofluorobenzene	0.57		0.6748		84.1	39.1	146	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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Environment Testin

Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Harvest Work Order Number: 2311447 RptNo: 1
Received By: Juan Rojas 11/9/2023 7:10:00 AM
Completed By: Tracy Casarrubias 11/9/2023 7:28:09 AM
Reviewed By: DAD 11/9/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JM 11/9/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes	Yogi		

Chain-of-Custody Record

Client:

ent. Harvest Midstream

Mailing Address:

1755 Arroyo Dr. Bloomfield N.M.

Phone #: 505-634-4953

email or Fax#: Monica Sandoval, Kijuan Hong

QA/QC Package:

☐ Standard

☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard

☒ Rush

Sami Das

Project Name:

LAT 52

Project #:

Project Manager:

Stanley Dean

Sampler:

Stanton Dean

On Ice:

~~☐ Yes~~

☐ No

400

Sample Temperature:

$$2.1 + 0.1 = 2.2$$
[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-8-23	1534	Stanley A. Dean	RM Wan	11/8/23	1534
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/8/23	1800	RM Wan	RM Wan	11/9/23	7:10

Remarks:

Remarks:
cc Jegraham@harvestmidstream.com
Sdean@harvestmidstream.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Line Leak Calc

Orifice Diameter	0.125 inches
Pressure	68 psig
Time/date Discovered	8/17/2023 9:39
Time/date Isolated	8/23/2023 11:30
Total Hours Blown	145.85 hours
Area of Orifice	0.012 sq. inches

Lost Gas From Line Leak 154.97 Mcf

Blowdown Calc

Length	3,547 feet
Actual Pipe OD	4.500 inches
Wall Thickness	0.156 inches
Pressure	68 psig

Lost Gas From Blowdown 1.574 Mcf

Total Gas Loss	156.54 Mcf
-----------------------	-------------------

Lost Gas=(Orifice Diameter)^2*Pressure*Time Blown

Lost Gas=(Inside Diameter)^2*Pressure*Length*0.372/1000000

District I
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District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 352192

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	352192
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2323651745
Incident Name	NAPP2323651745 LATERAL J-2 @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LATERAL J-2
Date Release Discovered	08/23/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	Yes
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Cause: Other Pipeline (Any) Natural Gas Vented Released: 157 Mcf Recovered: 0 Mcf Lost: 157 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Cause of release Kairos flyover reported a leak on Lateral J-2. Harvest responded to the report and found the leak at 11:00. The line was shut in and blown down. The leak was in a wash and no liquids are present. The line was completely blown down and the leak stopped by 11:30

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QUESTIONS, Page 2

Action 352192

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	352192
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 06/07/2024
--	--

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QUESTIONS, Page 3

Action 352192

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	352192
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Zero feet, overlying, or within area
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/06/2023
On what date will (or did) the final sampling or liner inspection occur	11/08/2023
On what date will (or was) the remediation complete(d)	11/08/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	312
What is the estimated volume (in cubic yards) that will be remediated	81

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 352192

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:
	373888
	Action Number:
	352192
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #2 [FEEM0112336756]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 06/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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District III
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QUESTIONS, Page 5

Action 352192

QUESTIONS (continued)

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[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 352192

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	352192
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	357089
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/08/2023
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	312

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	312
What was the total volume (cubic yards) remediated	81
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Soil was excavated and transported to the Envirotech 2 Landfarm. Samples were collected from 4 sloped walls and 1 excavation floor.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Brooke Herb Title: regulatory analyst Email: bherb@ensolum.com Date: 06/24/2024
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QUESTIONS, Page 7

Action 352192

QUESTIONS (continued)

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	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 352192

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/25/2024