

**Remediation Report and Closure Request**

Reid 8 Pipeline

Section: 19 Township: 28N Range: 9W

Lat: 36.6446421 Long: -107.8365337

San Juan County, New Mexico

3/4/2024

At 4:31pm Harvest was notified of a potential leak on the Reid 8 pipeline. Harvest personnel proceeded to location and confirmed a leak upon arrival. The pipeline was immediately shut in and blown down to stop any further gas release, the leak was stopped at 5:30pm. This release occurred in a dry wash. Volume of gas released is calculated to be 1.5 Mcf.

3/5/2024

An initial release notification was submitted to the NMOCD and was assigned Incident Number nAPP2406531926. Email notification and A Report of an Undesirable Event was sent to Nolan Craun and Emmanuel Adeyoye with the BLM. The Initial C-141 that was submitted on March 12th, 2024, was rejected by the NMOCD the same day due this being a gas only release and requested it be submitted under a C-129. Harvest submitted a C-129 and a request to cancel the C-141 on March 13th, 2024, and approved the C-129 March 15th, 2024. March 19th, 2024, Ensolum resubmitted C-141 on Harvests behalf to ensure the 15-day notification requirement was met if in fact it was required for this release along with all referenced correspondences. On March 28th, 2024, a new NOR and C-141 was submitted for this release and assigned Incident number nAPP2408859883. See "Reid-8 Correspondence" for reference.

3/8/2024

A crew was onsite to excavate and repair pipeline. The hole that formed in the pipeline causing the leak was discovered to be caused by external corrosion. Failed piping was replaced with new pipe and returned to service. During excavation there were no evidence of liquids being released but would later be confirmed with sample analysis. Volume of gas loss was calculated to be 1.5 Mcf.

4/22/2024

Notification of sampling was submitted to the NMOCD at approximately 9:34 am and to Nolan Craun and Emmanuel Adeyoye with the BLM at 9:58 am, scheduling closure sampling for Wednesday April 24th at 10:00 am.

**4/24/2024**

A Harvest representative was on site to perform sampling activities. Three, five-point composite samples were collected from the excavated area. The "Bottom" which measured 25ft long x 7 ft wide, "Side Wall 1" which was to the north of the excavation measured 25ft long x 3 ft wide which benched out 2ft and benched back up 1 ft, "Side Wall 2" was to the south of the excavation measured 25ft long x 3 ft wide which benched out 2ft and benched back up 1 ft. Samples were sent in for analysis of BTEX, TPH (GRO/DRO/ORO) and Chlorides. See "Sample Map" for reference".

5/7/2024

Analytical report was received and confirmed samples are below Table 1 closure criteria for this site (Chloride <600mg/kg, TPH <100mg/kg, BTEX <50mg/kg, Benzene <10mg/kg). Since the release was in a dry wash the most stringent closure criteria was used to close the site. See "Sample Results Table" for reference.

The excavation was backfilled and no further action is required at this time.



Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 1: Release Point





Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 2: Measured Hole in Pipeline





Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 3: Photo of Sampling event facing East





Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 4: Sampling event "Side Wall 1" facing North





Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 5: Sampling event facing West





Photo Page
Reid 8 Pipeline Release
Lat: 36.644642 Long: -107.836533

Photo 6: Sampling event "Side Wall 2" facing South



To Whom it May Concern,

Harvest is resubmitting this initial C-141 for Incident nAPP2406531926 to ensure they are meeting the requirements of NMAC 19.15.29.10A (2). It has been Harvest's understanding that if a gas only release occurs in a wash 19.15.29.7A (2b) NMAC would apply and therefore a C141 was originally submitted for this release on March 12, 2024. The NMOCD rejected the C141 on March 12, 2024, because it is a gas only release and requested it be submitted under a C-129. Harvest submitted a C-129 and a request to cancel the C141 on March 13, 2024. The NMOCD approved the request to cancel the C141 on March 14, 2024, and approved the C-129 on March 15, 2024. In a separate correspondence with the NMOCD not related to this release, it was clarified that a C-141 should be submitted for a gas only release in a wash per 19.15.29.7A (2b) NMAC. All referenced correspondence are included below. This C141 is being resubmitted as a precaution, as Harvest wants to ensure they meet the 15-day notification requirement if it is in fact required for this release. Could the OCD please provide feedback on how to proceed for this release and future releases of this nature.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, March 12, 2024 2:33 PM

To: Chad Snell - (C) <chad.snell@harvestmidstream.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 322535

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Chad Snell for Harvest Four Corners, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2406531926, for the following reasons:

- **Rejecting initial C-141. Gas release only. C-129 needs to be submitted to epermitting instead of C-141.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 322535.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,

Shelly Wells

Environmental Specialist-A

505-469-7520

Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, March 14, 2024 9:32 AM
To: Chad Snell - (C) <chad.snell@harvestmidstream.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 322890

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Chad Snell for Harvest Four Corners, LLC),

The OCD has approved the submitted *Request to Cancel the Notification of a Release* (C-141C), for incident ID (n#) nAPP2406531926, with the following conditions:

- **Gas release only. No liquids to soil surface.**

If you have any questions regarding this application, please contact me.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Friday, March 15, 2024 10:54 AM

To: Chad Snell - (C) <chad.snell@harvestmidstream.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 323642

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Chad Snell for Harvest Four Corners, LLC),

The OCD has accepted the submitted *Venting and/or Flaring of Natural Gas Caused by an Emergency, a Malfunction or of Long Duration Report* (C-129), for incident ID (n#) nAPP2407539241, with the following conditions:

- **If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.**

Please reference nAPP2407539241, on all subsequent C-129 submissions and communications regarding any amendments for this report.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

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

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OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[C-129] Venting and/or Flaring (C-129) Application

Submission Information

Submission ID:	323642	Districts:	Aztec
Operator:	[373888] Harvest Four Corners, LLC	Counties:	San Juan
Description:	Harvest Four Corners, LLC [373888] , nAPP2407539241		
Status:	APPROVED		
Status Date:	03/15/2024		
References (2):	fAPP2123052765, nAPP2407539241		

Forms

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, March 19, 2024 1:17 PM
To: Brooke Herb <bherb@ensolum.com>
Subject: Re: [EXTERNAL] Gas Only Releases

[**EXTERNAL EMAIL**]

Good afternoon Brooke,

Thanks for the correspondence. The following is the affirmation of your inquiries;

- If an operator has a gas only release from a below ground pipeline, they should fill out a C-129. **If the calculated volume exceeds 50 mcf per 19.15.29.7B or 19.15.27.8G NMAC. In addition, regardless of volume, reported on monthly Form C-115B per 19.15.27.8G (2b) NMAC.** It should be noted that almost every gathering pipeline has some form of liquids prior to the deliver to a natural gas plant as field separation and dehydration are not 100% effective. Liquids are also reduced if the Operator has a routine pigging operation for the pipeline. Based on the above 100% dry pipeline release are the not the norm.
 - If a C-129 is submitted and the volume of the release ends up being under 50 mcf, the operator can cancel the C-129 themselves. **YES, but the gas loss should be included in the monthly C-115B submission per 19.15.27.8G (2b) NMAC regardless of volume.**
- If the release is from a pipeline that is under a wash with running/ standing water they should report immediately using a C-141 **YES, per 19.15.29.7A (2b) and 19.15.27.8G (1d) NMAC**, but if it is in an intermittent wash that is dry, they still would use a C-129. **No per 19.15.29.7A (2b) & 19.15.27.8G (1a) & (1d) NMAC**
 - So, if a gas only release is in a dry wash (defined per 19.15.2.7W (4) NMAC) and is less than 50 mcf, then no reporting is required? **No, per 19.15.29.7A (2b) NMAC. In addition, regardless of volume, reported on monthly Form C-115B submission per 19.15.27.8G (2b) NMAC.** This situation is extremely unlikely that the gathering line didn't contain ANY liquids, or that the release was less then 8+ hours as most underground pipeline releases are only discovered after they have reached the surface due to a prolong occurrence &/or high pressure.
- If when they excavate to fix the pipeline there is any evidence of liquids released (Staining, moisture, etc.), even if it is only one gallon, they need to report the release on a C-141.
 - In this scenario is the C-129 cancelled? **YES (guidance document attached).**

If you have any further questions or concerns, please contact me at your convenience.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Monica Smith
Sent: Wednesday, March 6, 2024 4:05 PM
To: Brooke Herb
Cc: Chad Snell - (C)
Subject: RE: [EXTERNAL] Notification of Release - Reid 8
Attachments: FFO UE Reporting Form_Reid 8.pdf

Brooke,

Can you please make sure to include Chad?


I know its going to take some time to used to!




Thanks, Monica

From: Brooke Herb <bherb@ensolum.com>
Sent: Tuesday, March 5, 2024 8:28 PM
To: Craun, James N <jcraun@blm.gov>; Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Monica Smith <msmith@harvestmidstream.com>
Subject: [EXTERNAL] Notification of Release - Reid 8

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.


Nolan,
Ensolum, on behalf of Harvest Four Corners, is submitting the attached UE form as notification of a natural gas release at the Reid 8. Please let me know if you have any questions.
Thank you,
Brooke



Brooke Herb
Senior Geologist
970-403-6824
Ensolum, LLC
  

From: Craun, James N <jcraun@blm.gov>
Sent: Monday, April 22, 2024 2:10:35 PM
To: Chad Snell - (C)
Subject: RE: [EXTERNAL] Notification of Sampling - Reid 8

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

 **Craun, James N** reacted to your message:

From: Chad Snell - (C) <Chad.Snell@harvestmidstream.com>
Sent: Monday, April 22, 2024 3:58:27 PM
To: Craun, James N <jcraun@blm.gov>; Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Monica Smith <msmith@harvestmidstream.com>
Subject: [EXTERNAL] Notification of Sampling - Reid 8

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good morning,

Harvest will be performing sampling activities at the Reid 8 release on Wednesday April 24th, 2024, at 10:00am.

Lat: 36.6446421,
Long: -107.8365337

Feel free to contact me with any questions.

Thanks.

Chad Snell
Environmental Specialist
Harvest Four Corners, LLC
chad.snell@harvestmidstream.com
(505) 320-8621 (cell)



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From: OCDOnline@state.nm.us
Sent: Friday, May 24, 2024 2:44:59 PM
To: Chad Snell - (C)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 335808

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Chad Snell for Harvest Four Corners, LLC),
The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2408859883.
The sampling event is expected to take place:

When: 04/24/2024 @ 10:00
Where: L-19-28N-09W 0 FNL 0 FEL (36.644621,-107.8365337)

Additional Information: Contact Chad Snell 505 320 8621

Additional Instructions: From Bloomfield drive south on 550 for 0.9 miles. Turn left to CR 4990 drive for 7.7 miles. Turn right on to CR 4960 drive 1.5 miles turn right. Go 0.6 miles to the Y turn left. Drive 1.2 miles. Left to dog leg. Leak is about 200 yards up the right of way

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

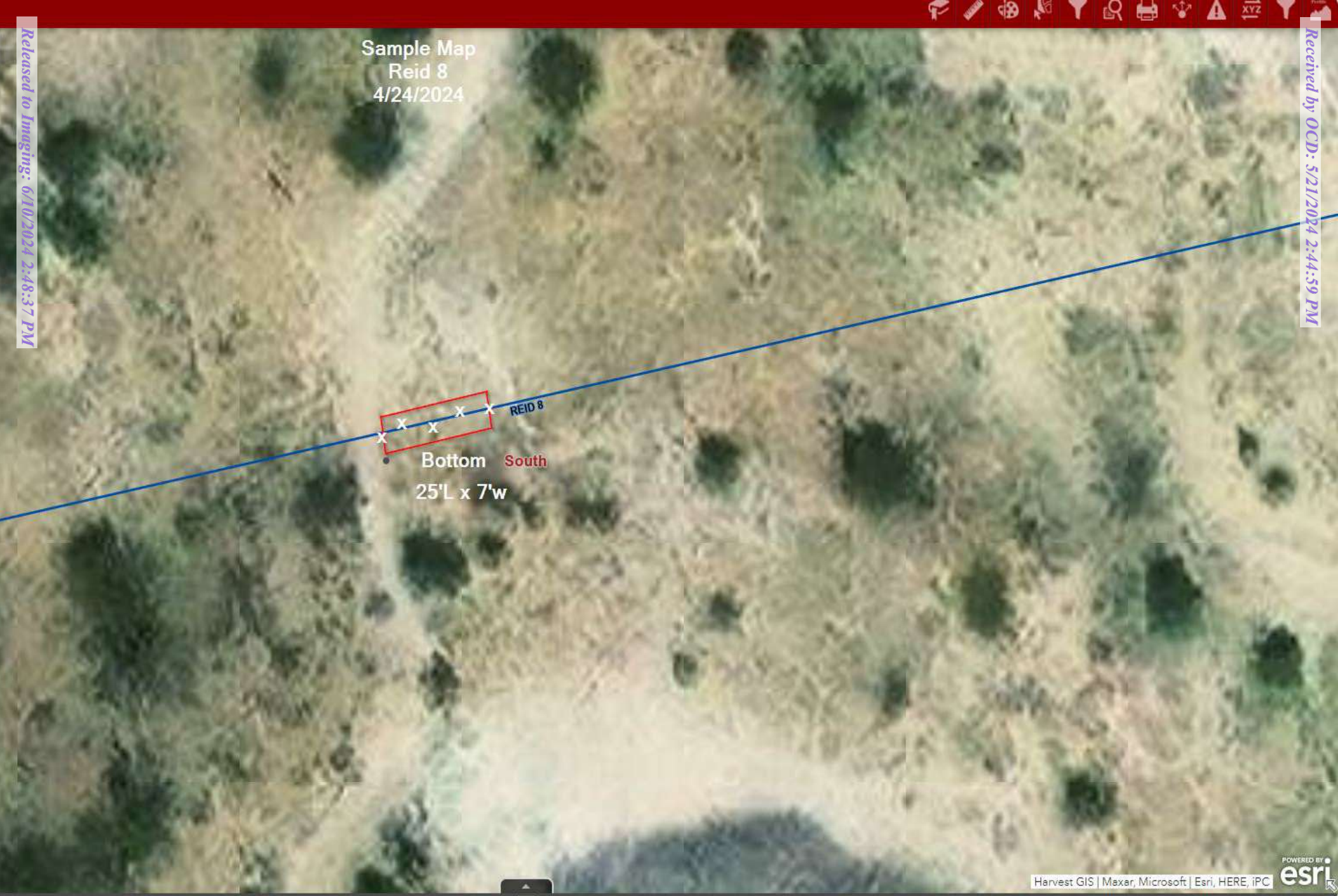
If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

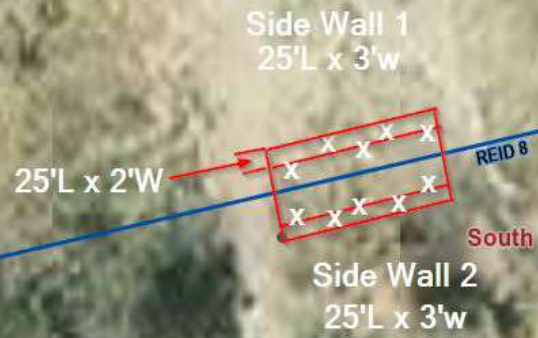
Reid 8 Sample Results Table

Sample Name	Description	Date	Time	GRO	DRO	DRO + GRO	ORO	Total TPH	Benzene	Toluene	Ethlybe nzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD		NA	NA	NA	NA	100	NA	100	10	NA	NA	NA	50	600	200 sq ft
				PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
Bottom	Composite	4/24/2024	10:05 AM	<4.9	<9.3	<100	<46	<100	<0.024	<0.049	<0.049	<0.098	<50	<60	196
Side Wall 1	Composite	4/24/2024	10:10 AM	<3.8	<8.8	<100	<44	<100	<0.019	<0.038	<0.038	<0.077	<50	<60	150
Side Wall 2	Composite	4/24/2024	10:15 AM	<4	<9.5	<100	<47	<100	<0.020	<0.040	<0.040	<0.079	<50	<60	150

Sample Map
Reid 8
4/24/2024



Sample Map
Reid 8
4/24/2024



Pipeline Release
ation 5,907ft

Search result (1 of 2)
36°38'40.711"N 107°50'11.518"W
Zoom to

REID 20

REID 25

REID 12
South 10 21E

SJ 03746 POD 1
Distance to water 40ft
Elevation 5,833ft

Measurement



Miles

Measurement Result

1.25 Miles

Clear

Press CTRL to enable snapping



New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
SJ 03746	POD1	3	2	1	20	28N	09W	248330	4059955*

Driller License:	1508	Driller Company:	HARGIS CONSULTING WATER WELL						
Driller Name:	HARGIS, WILLIAM CALVIN								
Drill Start Date:	08/08/2006	Drill Finish Date:	12/31/2006	Plug Date:					
Log File Date:	02/27/2007	PCW Rcv Date:		Source:	Shallow				
Pump Type:		Pipe Discharge Size:		Estimated Yield:	5 GPM				
Casing Size:	7.00	Depth Well:	190 feet	Depth Water:	40 feet				

Water Bearing Stratifications:	Top	Bottom	Description
	80	82	Sandstone/Gravel Conglomerate
	90	91	Sandstone/Gravel Conglomerate

Casing Perforation:	Top	Bottom
	80	98
	90	180

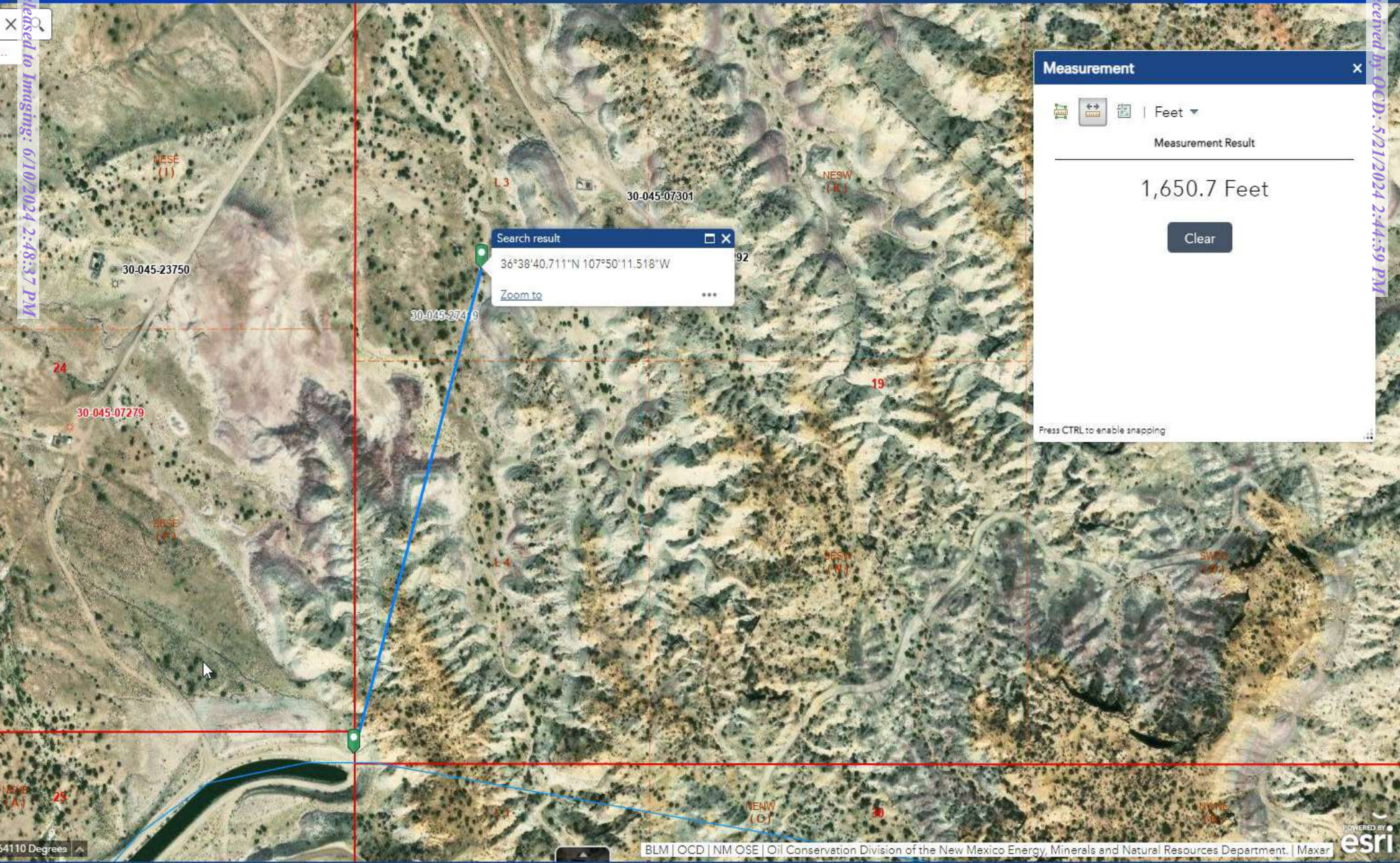
*UTM location was derived from PLSS - see Help

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.

4/2/24 8:29 AM

POINT OF DIVERSION SUMMARY

Released to Imaging: 6/10/2024 2:48:37 PM



National Flood Hazard Layer FIRMette



107°50'30"W 36°38'55"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

107°49'53"W 36°38'26"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

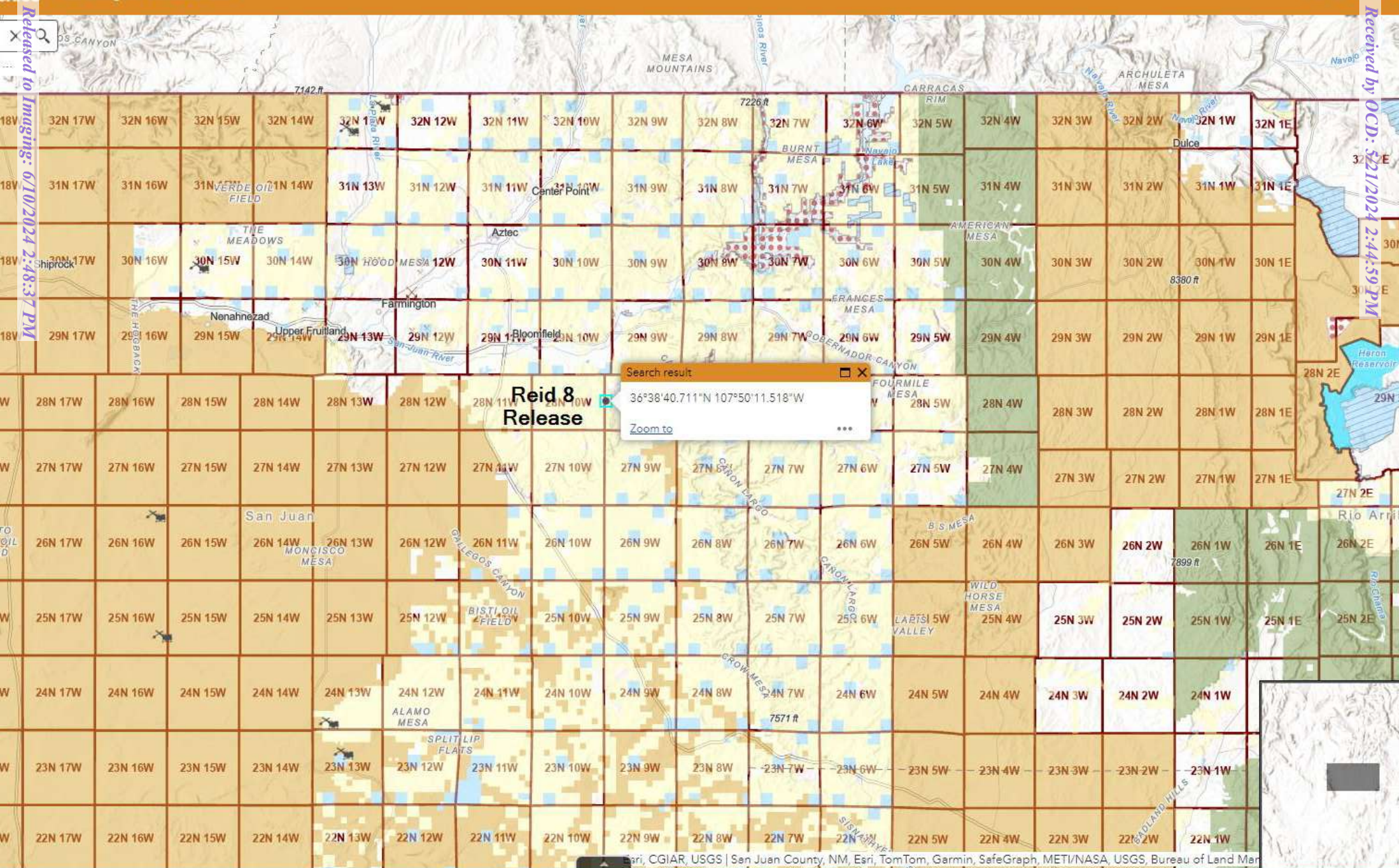
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/21/2024 at 2:16 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Received by OCD: 5/21/2024 2:44:59 PM

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Reid 8
Release

Search result

36°38'40.711"N 107°50'11.518"W

Zoom to

Map data © OpenStreetMap contributors, Imagery © Mapbox, Esri, CGIAR, USGS | San Juan County, NM, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, Bureau of Land Management

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Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Snell
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Generated 5/7/2024 12:54:39 PM

JOB DESCRIPTION

Reid 8

JOB NUMBER

885-3374-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
5/7/2024 12:54:39 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Harvest
Project/Site: Reid 8

Laboratory Job ID: 885-3374-1

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Definitions/Glossary

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☐	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Harvest
Project: Reid 8

Job ID: 885-3374-1

Job ID: 885-3374-1

Eurofins Albuquerque

Job Narrative
885-3374-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/25/2024 6:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Client Sample ID: Bottom

Lab Sample ID: 885-3374-1

Date Collected: 04/24/24 10:05

Matrix: Solid

Date Received: 04/25/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		04/25/24 10:22	04/25/24 15:24		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		15 - 244			04/25/24 10:22	04/25/24 15:24		1
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.024	mg/Kg		04/25/24 10:22	04/25/24 15:24		1
Ethylbenzene	ND		0.049	mg/Kg		04/25/24 10:22	04/25/24 15:24		1
Toluene	ND		0.049	mg/Kg		04/25/24 10:22	04/25/24 15:24		1
Xylenes, Total	ND		0.098	mg/Kg		04/25/24 10:22	04/25/24 15:24		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		39 - 146			04/25/24 10:22	04/25/24 15:24		1
Method: SW846 8015D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		04/25/24 13:55	04/25/24 17:19		1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/25/24 13:55	04/25/24 17:19		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	98		62 - 134			04/25/24 13:55	04/25/24 17:19		1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		04/25/24 16:33	04/25/24 20:30		20

Client Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Client Sample ID: Sidewall 1

Lab Sample ID: 885-3374-2

Date Collected: 04/24/24 10:10

Matrix: Solid

Date Received: 04/25/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8	mg/Kg		04/25/24 10:22	04/25/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244			04/25/24 10:22	04/25/24 15:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		04/25/24 10:22	04/25/24 15:47	1
Ethylbenzene	ND		0.038	mg/Kg		04/25/24 10:22	04/25/24 15:47	1
Toluene	ND		0.038	mg/Kg		04/25/24 10:22	04/25/24 15:47	1
Xylenes, Total	ND		0.077	mg/Kg		04/25/24 10:22	04/25/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		39 - 146			04/25/24 10:22	04/25/24 15:47	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		04/25/24 13:55	04/25/24 17:43	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		04/25/24 13:55	04/25/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			04/25/24 13:55	04/25/24 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		04/25/24 16:33	04/25/24 21:45	20

Client Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Client Sample ID: Sidewall 2

Lab Sample ID: 885-3374-3

Date Collected: 04/24/24 10:15

Matrix: Solid

Date Received: 04/25/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		04/25/24 10:22	04/25/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244			04/25/24 10:22	04/25/24 16:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		04/25/24 10:22	04/25/24 16:11	1
Ethylbenzene	ND		0.040	mg/Kg		04/25/24 10:22	04/25/24 16:11	1
Toluene	ND		0.040	mg/Kg		04/25/24 10:22	04/25/24 16:11	1
Xylenes, Total	ND		0.079	mg/Kg		04/25/24 10:22	04/25/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			04/25/24 10:22	04/25/24 16:11	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/25/24 13:55	04/25/24 18:07	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/25/24 13:55	04/25/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			04/25/24 13:55	04/25/24 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		04/25/24 16:33	04/30/24 21:02	20

QC Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-3874/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3943						Prep Batch: 3874			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		04/25/24 10:22	04/25/24 15:01	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		15 - 244			04/25/24 10:22	04/25/24 15:01	1	

Lab Sample ID: LCS 885-3874/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3943						Prep Batch: 3874			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]			25.0	26.9		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	217		15 - 244						

Lab Sample ID: 885-3374-1 MS						Client Sample ID: Bottom			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3943						Prep Batch: 3874			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		24.4	24.4		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	201		15 - 244						

Lab Sample ID: 885-3374-1 MSD								Client Sample ID: Bottom				
Matrix: Solid								Prep Type: Total/NA				
Analysis Batch: 3943								Prep Batch: 3874				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits	
Gasoline Range Organics [C6 - C10]	ND		24.4	25.5		mg/Kg		104	70 - 130	4	20	
Surrogate	MSD %Recovery	MSD Qualifier	Limits									
4-Bromofluorobenzene (Surr)	212		15 - 244									

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-3874/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3944						Prep Batch: 3874			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.025	mg/Kg		04/25/24 10:22	04/25/24 15:01	1	
Ethylbenzene	ND		0.050	mg/Kg		04/25/24 10:22	04/25/24 15:01	1	
Toluene	ND		0.050	mg/Kg		04/25/24 10:22	04/25/24 15:01	1	

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QC Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-3874/1-A
Matrix: Solid
Analysis Batch: 3944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3874

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		04/25/24 10:22	04/25/24 15:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			04/25/24 10:22	04/25/24 15:01	1

Lab Sample ID: LCS 885-3874/3-A
Matrix: Solid
Analysis Batch: 3944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.987		mg/Kg		99	70 - 130
Ethylbenzene	1.00	0.942		mg/Kg		94	70 - 130
m,p-Xylene	2.00	1.91		mg/Kg		96	70 - 130
o-Xylene	1.00	0.938		mg/Kg		94	70 - 130
Toluene	1.00	0.943		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	97		39 - 146				

Lab Sample ID: 885-3374-2 MS
Matrix: Solid
Analysis Batch: 3944

Client Sample ID: Sidewall 1
Prep Type: Total/NA
Prep Batch: 3874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.766	0.749		mg/Kg		98	70 - 130
Ethylbenzene	ND		0.766	0.721		mg/Kg		94	70 - 130
m,p-Xylene	ND		1.53	1.46		mg/Kg		95	70 - 130
o-Xylene	ND		0.766	0.713		mg/Kg		93	70 - 130
Toluene	ND		0.766	0.708		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		39 - 146						

Lab Sample ID: 885-3374-2 MSD
Matrix: Solid
Analysis Batch: 3944

Client Sample ID: Sidewall 1
Prep Type: Total/NA
Prep Batch: 3874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.766	0.711		mg/Kg		93	70 - 130	5	20
Ethylbenzene	ND		0.766	0.695		mg/Kg		91	70 - 130	4	20
m,p-Xylene	ND		1.53	1.41		mg/Kg		92	70 - 130	4	20
o-Xylene	ND		0.766	0.695		mg/Kg		91	70 - 130	3	20
Toluene	ND		0.766	0.679		mg/Kg		89	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		39 - 146								

QC Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-3899/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3940						Prep Batch: 3899			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/25/24 13:55	04/25/24 16:31	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/25/24 13:55	04/25/24 16:31	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	95		62 - 134			04/25/24 13:55	04/25/24 16:31	1	

Lab Sample ID: LCS 885-3899/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 3940						Prep Batch: 3899			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]			50.0	51.1		mg/Kg		102	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	96		62 - 134						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3924/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 3930					Prep Batch: 3924				
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		1.5	mg/Kg		04/25/24 16:33	04/25/24 18:59	1	
Lab Sample ID: LCS 885-3924/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 3930					Prep Batch: 3924				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			15.0	14.2		mg/Kg		95	90 - 110

Lab Sample ID: MB 885-3930/5					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 3930									
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		0.50	mg/Kg			04/25/24 09:11	1	
Lab Sample ID: MRL 885-3930/4					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 3930									
Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			0.500	0.519		mg/L		104	50 - 150

QC Sample Results

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-4137/3				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 4137							
Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.537		mg/L		107	50 - 150

QC Association Summary

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

GC VOA

Prep Batch: 3874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	5035	
885-3374-2	Sidewall 1	Total/NA	Solid	5035	
885-3374-3	Sidewall 2	Total/NA	Solid	5035	
MB 885-3874/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-3874/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-3874/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-3374-1 MS	Bottom	Total/NA	Solid	5035	
885-3374-1 MSD	Bottom	Total/NA	Solid	5035	
885-3374-2 MS	Sidewall 1	Total/NA	Solid	5035	
885-3374-2 MSD	Sidewall 1	Total/NA	Solid	5035	

Analysis Batch: 3943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	8015D	3874
885-3374-2	Sidewall 1	Total/NA	Solid	8015D	3874
885-3374-3	Sidewall 2	Total/NA	Solid	8015D	3874
MB 885-3874/1-A	Method Blank	Total/NA	Solid	8015D	3874
LCS 885-3874/2-A	Lab Control Sample	Total/NA	Solid	8015D	3874
885-3374-1 MS	Bottom	Total/NA	Solid	8015D	3874
885-3374-1 MSD	Bottom	Total/NA	Solid	8015D	3874

Analysis Batch: 3944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	8021B	3874
885-3374-2	Sidewall 1	Total/NA	Solid	8021B	3874
885-3374-3	Sidewall 2	Total/NA	Solid	8021B	3874
MB 885-3874/1-A	Method Blank	Total/NA	Solid	8021B	3874
LCS 885-3874/3-A	Lab Control Sample	Total/NA	Solid	8021B	3874
885-3374-2 MS	Sidewall 1	Total/NA	Solid	8021B	3874
885-3374-2 MSD	Sidewall 1	Total/NA	Solid	8021B	3874

GC Semi VOA

Prep Batch: 3899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	SHAKE	
885-3374-2	Sidewall 1	Total/NA	Solid	SHAKE	
885-3374-3	Sidewall 2	Total/NA	Solid	SHAKE	
MB 885-3899/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3899/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 3940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	8015D	3899
885-3374-2	Sidewall 1	Total/NA	Solid	8015D	3899
885-3374-3	Sidewall 2	Total/NA	Solid	8015D	3899
MB 885-3899/1-A	Method Blank	Total/NA	Solid	8015D	3899
LCS 885-3899/2-A	Lab Control Sample	Total/NA	Solid	8015D	3899

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QC Association Summary

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

HPLC/IC

Prep Batch: 3924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	300_Prep	
885-3374-2	Sidewall 1	Total/NA	Solid	300_Prep	
885-3374-3	Sidewall 2	Total/NA	Solid	300_Prep	
MB 885-3924/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3924/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 3930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-1	Bottom	Total/NA	Solid	300.0	3924
885-3374-2	Sidewall 1	Total/NA	Solid	300.0	3924
MB 885-3924/1-A	Method Blank	Total/NA	Solid	300.0	3924
MB 885-3930/5	Method Blank	Total/NA	Solid	300.0	
LCS 885-3924/2-A	Lab Control Sample	Total/NA	Solid	300.0	3924
MRL 885-3930/4	Lab Control Sample	Total/NA	Solid	300.0	

Analysis Batch: 4137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3374-3	Sidewall 2	Total/NA	Solid	300.0	3924
MRL 885-4137/3	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Client Sample ID: Bottom

Date Collected: 04/24/24 10:05

Date Received: 04/25/24 06:45

Lab Sample ID: 885-3374-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8015D		1	3943	JP	EET ALB	04/25/24 15:24
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8021B		1	3944	JP	EET ALB	04/25/24 15:24
Total/NA	Prep	SHAKE			3899	JU	EET ALB	04/25/24 13:55
Total/NA	Analysis	8015D		1	3940	JU	EET ALB	04/25/24 17:19
Total/NA	Prep	300_Prep			3924	SS	EET ALB	04/25/24 16:33
Total/NA	Analysis	300.0		20	3930	JT	EET ALB	04/25/24 20:30

Client Sample ID: Sidewall 1

Date Collected: 04/24/24 10:10

Date Received: 04/25/24 06:45

Lab Sample ID: 885-3374-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8015D		1	3943	JP	EET ALB	04/25/24 15:47
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8021B		1	3944	JP	EET ALB	04/25/24 15:47
Total/NA	Prep	SHAKE			3899	JU	EET ALB	04/25/24 13:55
Total/NA	Analysis	8015D		1	3940	JU	EET ALB	04/25/24 17:43
Total/NA	Prep	300_Prep			3924	SS	EET ALB	04/25/24 16:33
Total/NA	Analysis	300.0		20	3930	JT	EET ALB	04/25/24 21:45

Client Sample ID: Sidewall 2

Date Collected: 04/24/24 10:15

Date Received: 04/25/24 06:45

Lab Sample ID: 885-3374-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8015D		1	3943	JP	EET ALB	04/25/24 16:11
Total/NA	Prep	5035			3874	JP	EET ALB	04/25/24 10:22
Total/NA	Analysis	8021B		1	3944	JP	EET ALB	04/25/24 16:11
Total/NA	Prep	SHAKE			3899	JU	EET ALB	04/25/24 13:55
Total/NA	Analysis	8015D		1	3940	JU	EET ALB	04/25/24 18:07
Total/NA	Prep	300_Prep			3924	SS	EET ALB	04/25/24 16:33
Total/NA	Analysis	300.0		20	4137	SS	EET ALB	04/30/24 21:02

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Harvest
Project/Site: Reid 8

Job ID: 885-3374-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total

Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-3374-1

Login Number: 3374

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	

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QUESTIONS

Action 346426

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2408859883
Incident Name	NAPP2408859883 REID 8 @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Reid 8
Date Release Discovered	03/04/2024
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	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Cause: Other Pipeline (Any) Natural Gas Vented Released: 2 MCF Recovered: 0 MCF Lost: 2 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)	Not answered.

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QUESTIONS, Page 2

Action 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	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: 03/28/2024
--	--

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QUESTIONS, Page 3

Action 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 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	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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	04/08/2024
On what date will (or did) the final sampling or liner inspection occur	04/24/2024
On what date will (or was) the remediation complete(d)	05/07/2024
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	496
What is the estimated volume (in cubic yards) that will be remediated	24

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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QUESTIONS, Page 4

Action 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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 [fSC00000000048]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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 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: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 05/21/2024
--	---

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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QUESTIONS, Page 5

Action 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	Action Type:	
	[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 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	346426
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	335808
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/24/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	325

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	496
What was the total volume (cubic yards) remediated	24
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	496
What was the total volume (in cubic yards) reclaimed	24
Summarize any additional remediation activities not included by answers (above)	n/a

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: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 05/21/2024
--	---

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QUESTIONS, Page 7

Action 346426

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 346426
	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 346426

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 346426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/10/2024