



RECLAMATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

May 21st, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

RE: RECLAMATION CLOSURE REPORT

LOCATION: Ragin Cajun 12 CTB 3

FACILITY ID: fAPP2423338309

GPS: 32.0614366, -103.419365

INCIDENT LOCATION: UL- H. Section 12, T26S, R34E

COUNTY: Lea

NMOCD REF. NO. NAPP2423962613

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare the Reclamation Closure Report for the Ragin Cajun 12 CTB 3 site (hereafter referred to as the "Ragin"). This report provides a comprehensive overview of the site's history, details the reclamation activities that have been undertaken to date, and outlines a proposed plan for ongoing vegetation monitoring.

SITE CHARACTERIZATION

The Ragin is located approximately twelve (12) miles east of Bennett, NM. This spill site is in Unit H, Section 12, Township 26S, Range 34E, Latitude 32.0614366 Longitude -103.419365, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Ragin (Figure 3). A Topographic Map can be referenced in Figure 2.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04601- POD 1), the depth to the nearest groundwater in this vicinity measures 110 feet below grade surface (BGS), positioned 1.60 miles away from the Ragin, drilled, March 31, 2022. Conversely, as per the United States Geological Survey well water data (USGS320108103191301), the nearest groundwater depth in this region is recorded at 237 feet BGS, situated approximately 6.51 miles away from the Ragin, with the last gauge conducted in 2012. The nearest water feature is a Salt Playa located approximately 16.57 miles to the north of this site. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.



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Ragin Cajun 12 CTB 3 | NAPP2423962613

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SITE CONDITIONS AND HISTORY

NAPP2423962613

On August 26, 2024, a 3" poly weld on the downstream leg of the facility WTP's broke apart, water was released into two lined containments. The released fluids were calculated to be approximately 92 barrels (bbls) of produced water. A vacuum truck was able to recover 90 bbls of produced water from the containment, and 0.03 barrels spilled onto pad. The remaining 2 barrels were recovered during the cleanup of the liner.

While incident NAPP2423962613 was being addressed, depth to groundwater was classified as <50' due to lack of groundwater.

On August 29, 2024, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

On October 28, 2024, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began by excavating the area to a depth of 1' BGS. The contaminated soil (7 cubic yards) was hauled to an approved, lined disposal facility (R360 Antelope Draw) and clean backfill material was brought in.

On October 31, 2024, after sending a 48-hour notification, application ID: 396945, Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no additional remediation activities were required at this location.

On September 6, 2024, Pima personnel mobilized equipment to the site to perform power washing of the liner and containment. A vacuum truck accompanied the crew to recover the power washing fluids.

On September 11, 2024, after submitting a 48-hour notification application ID: 381653 to the OCD, Pima Environmental conducted a liner inspection at this location. Pima concluded that this liner and containment maintained its integrity and was able to retain fluids. The liner inspection form and photographic documentation can be found in Appendix D.

A Remediation Closure Report (Application ID: 404547), was submitted to the NMOCD on November 19, 2024, for approval.

On December 2, 2024, Incident ID: NAPP2423962613, was approved by the NMOCD.

RECLAMATION ACTIVITIES

On May 1, 2025, Pima personnel returned to the site to collect a 5-point composite sample from backfilled areas. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D.

The release and reclamation extent were on the pad and the area was remediated according to 19.15.29.12 NMAC. The confirmation lab sample results verified all samples within the top 4 feet of soil in this area includes non-waste containing, earthen material with chloride levels that are less than 600 mg/kg and TPH concentrations less than 100 mg/kg per 19.15.29.13 NMAC.



REVEGETATION OF THE SITE

Devon Energy will carry out revegetation activities and seeding of the site within 25 years or immediately after the site is no longer needed for production and/or subsequent drilling operations, whichever comes sooner.

REQUEST OF APPROVAL

After careful review, Pima requests that this Reclamation Closure Report for the Ragin Cajun 12 CTB 3, incident ID NAPP2423962613, be approved.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@devon.com.

Pima Environmental – Lynsey Coons at 575-318-7532 or lynsey@pimaoil.com.

Respectfully,

Lynsey Coons

Lynsey Coons

Project Manager

Pima Environmental Services, LLC

ATTACHMENTS

FIGURES:

1- Location Map



Pima Environmental Services, LLC
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- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Liner Site Map
- 7- Confirmation Sample Map

APPENDICES:

Appendix A – Water Surveys, Surface Water Map

Appendix B – Soil Survey, Geological Data, FEMA Flood Map, Wetlands Map

Appendix C – Liner Inspection Form, Photographic Documentation

Appendix D – Laboratory Results



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FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Liner Site Map
- 7- Confirmation Sample Map



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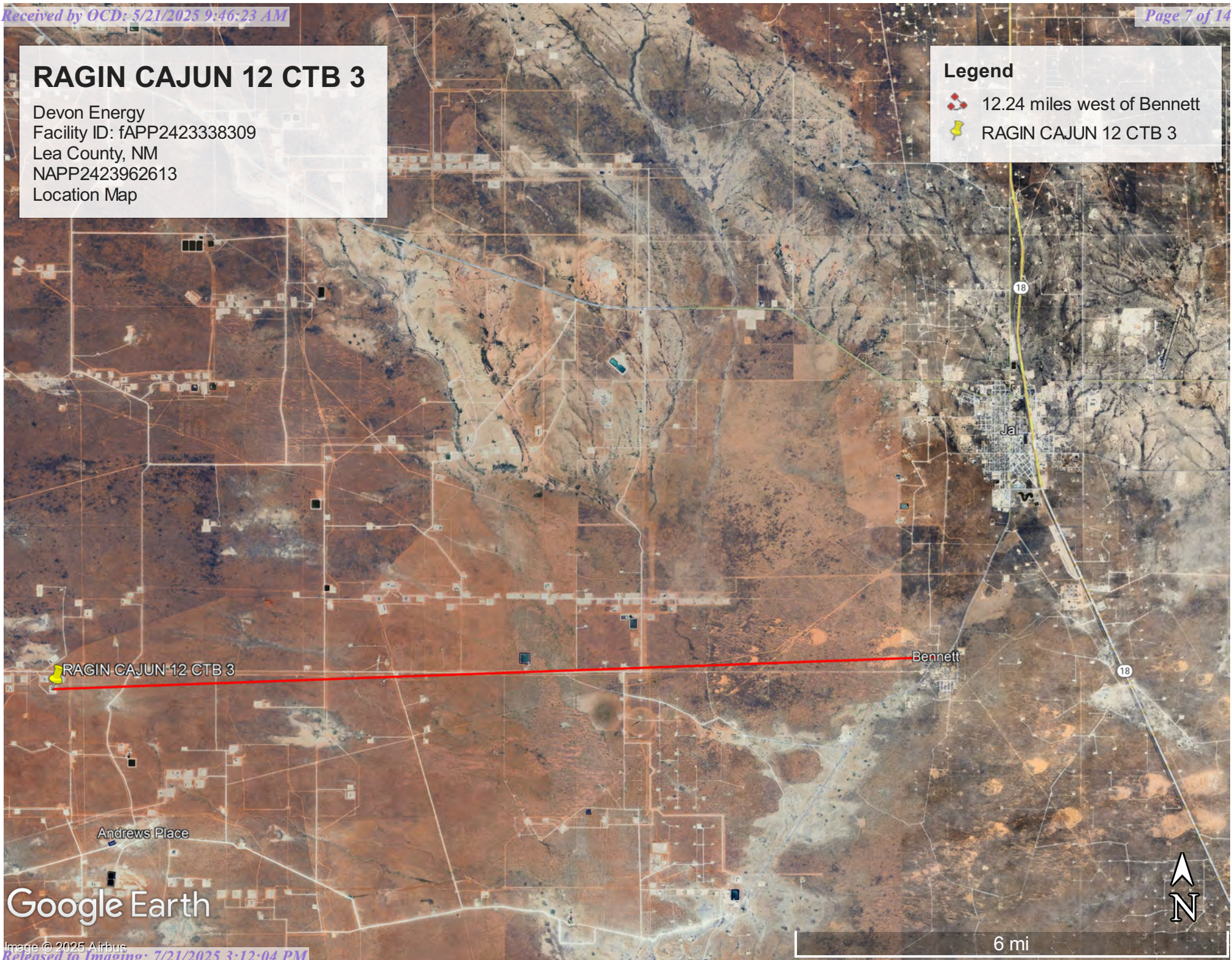
DEVON ENERGY PRODUCTION, LP.

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
Location Map

Legend

-  12.24 miles west of Bennett
-  RAGIN CAJUN 12 CTB 3



Google Earth

Image © 2025 Airbus

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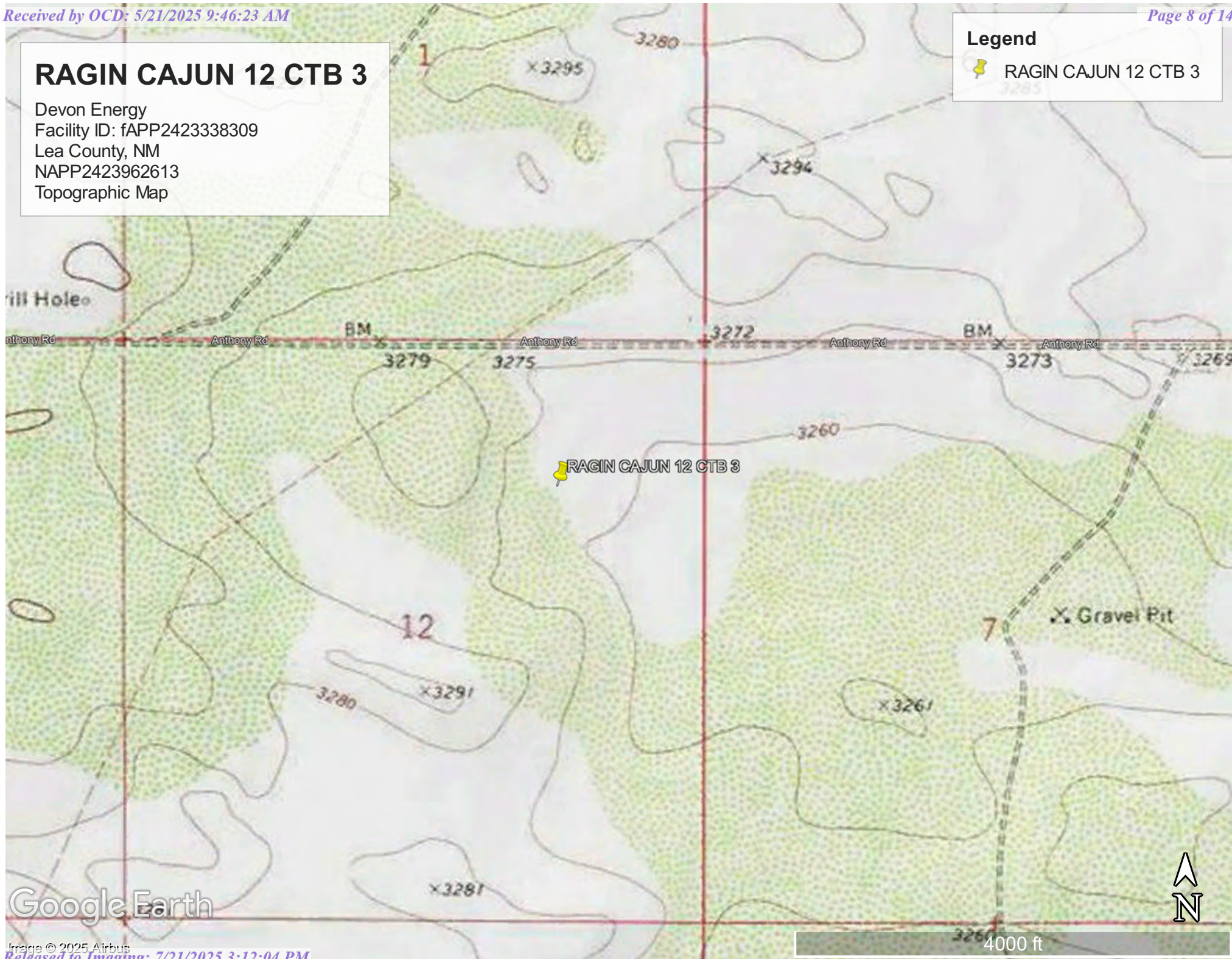
6 mi

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
Topographic Map

Legend

 RAGIN CAJUN 12 CTB 3



Google Earth

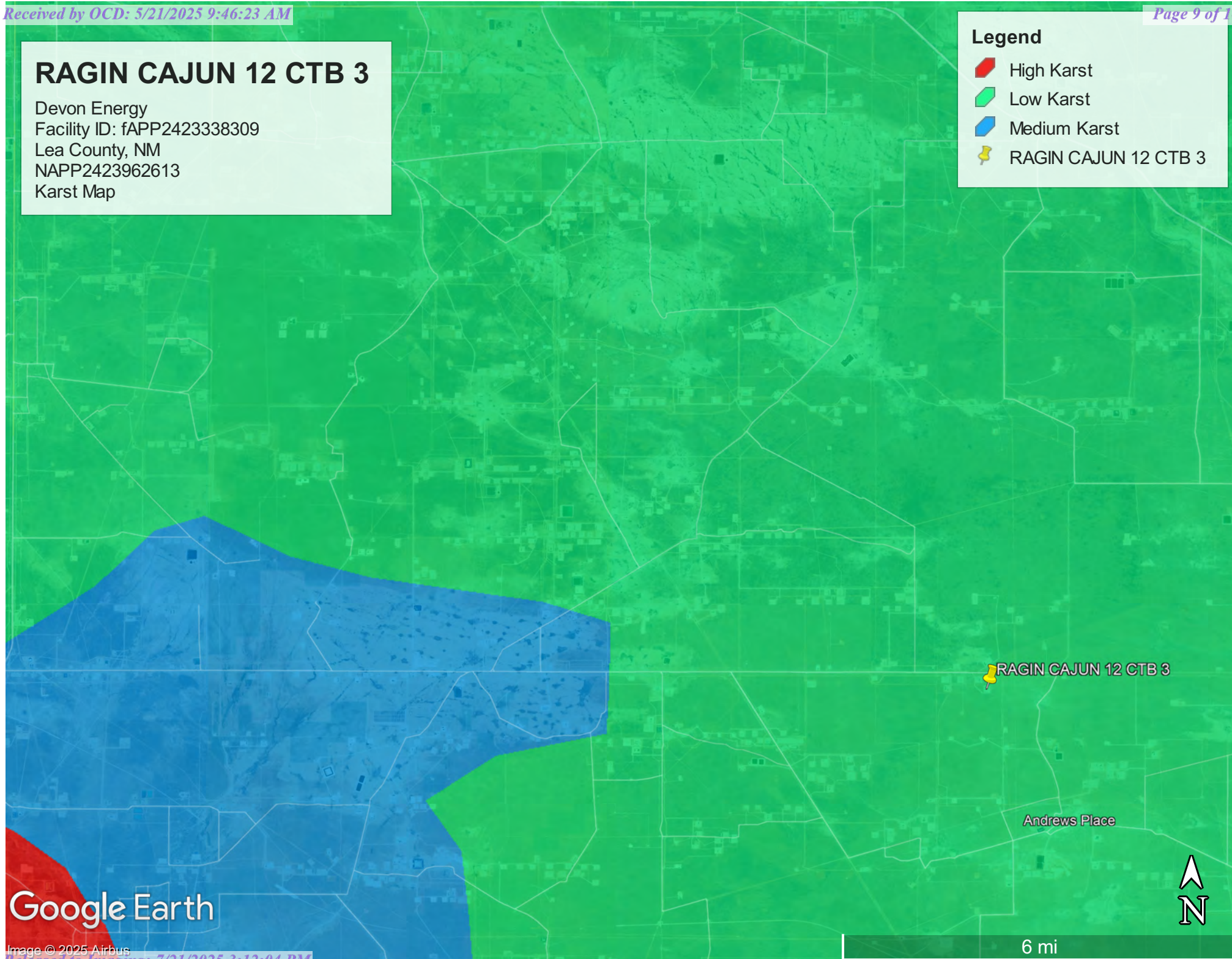
Image © 2025 Airbus

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  RAGIN CAJUN 12 CTB 3



Google Earth

Image © 2025 Airbus

6 mi

Assessment Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Ragin Cajun 12 CTB 3								
Date: 8-29-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	0	877
	2'	ND	ND	ND	ND	ND	0	85.4
	3'	ND	ND	ND	ND	ND	0	42.5
	4'	ND	ND	ND	ND	ND	0	ND
SW1	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW2	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW3	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW4	0-4' Comp	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	37.3	ND	37.3	73.8
	2'	ND	ND	ND	ND	ND	0	26.8
	3'	ND	ND	ND	ND	ND	0	24.4
	4'	ND	ND	ND	ND	ND	0	ND
SW5	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW6	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW7	0-4' Comp	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	29.9
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	31.3
	2'	ND	ND	ND	ND	ND	0	50.9
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW8	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW9	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW10	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW11	0-4' Comp	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

Confirmation Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Ragin Cajun 12 CTB 3								
Date: 10-31-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	1'	ND	ND	ND	ND	ND	0	23.6
CSW1	1'	ND	ND	ND	ND	ND	0	ND
CSW2	1'	ND	ND	ND	ND	ND	0	ND
CSW3	1'	ND	ND	ND	ND	ND	0	ND
CSW4	1'	ND	ND	ND	ND	ND	0	ND

Backfill Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Ragin Cajun 12 CTB 3								
Date: 5-1-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BACKFILL 1	COMP	ND	ND	ND	ND	ND	0	ND

Ragin Cajun 12 CTB 3

Devon Energy
Incident ID: NAPP2423962613
Lea County, NM
Site Map

Legend

- Sidewalls/Background
- 📌 Ragin Cajun 12 CTB 3
- Ragin Cajun 12 CTB 3 5,950 Sqft
- Samples

Ragin Cajun 12 CTB 3

BG1

SW11

SW9

S4

S3

SW8

SW10

SW5

S2

SW6

SW7

SW1

S1

SW2

SW4

SW3

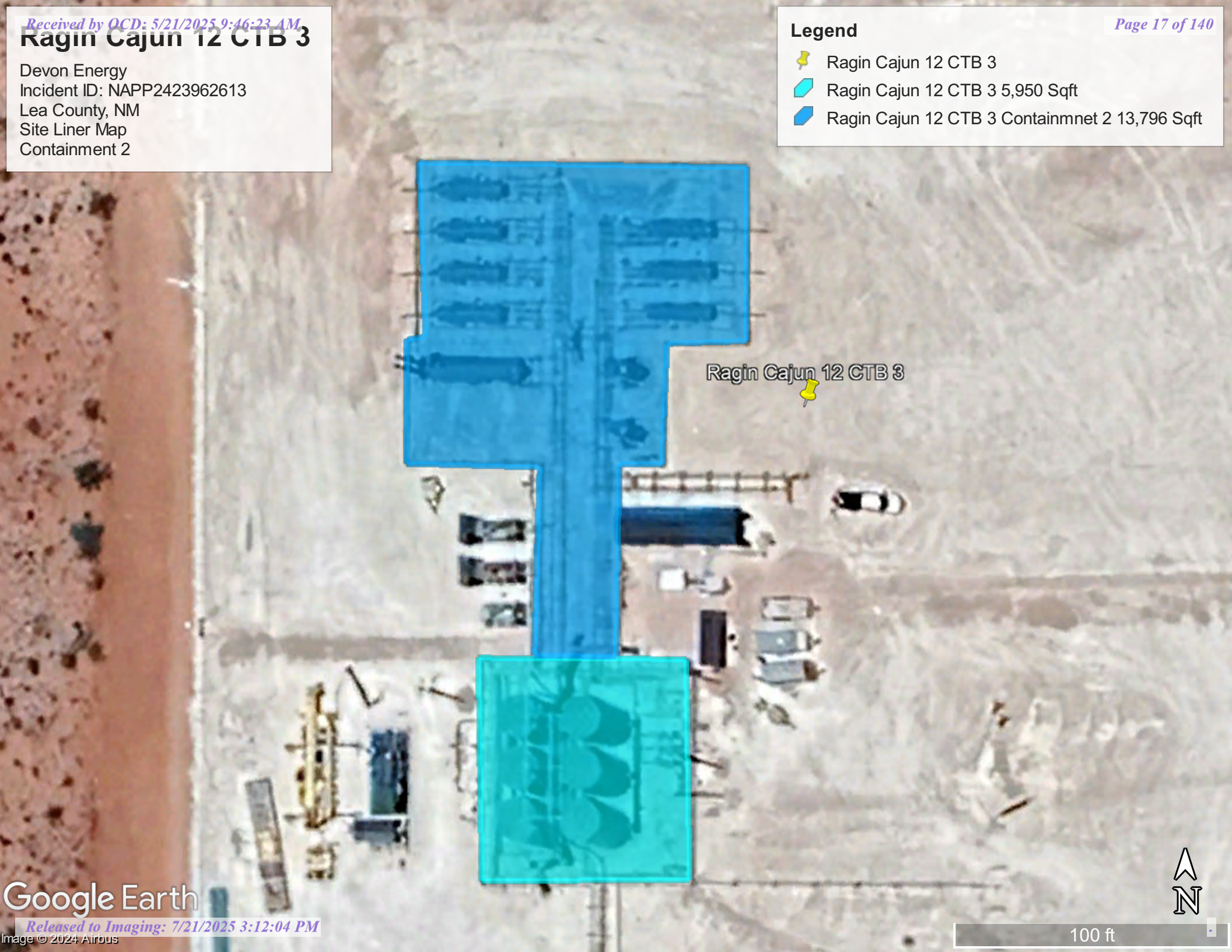


Ragin Cajun 12 CTB 3

Devon Energy
Incident ID: NAPP2423962613
Lea County, NM
Site Liner Map
Containment 2

Legend

-  Ragin Cajun 12 CTB 3
-  Ragin Cajun 12 CTB 3 5,950 Sqft
-  Ragin Cajun 12 CTB 3 Containmnet 2 13,796 Sqft



Ragin Cajun 12 CTB 3

Devon Energy
Incident ID: NAPP2423962613
Lea County, NM
Confirmation Sample Map

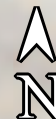
Legend

- Confirmation Sidewall Samples
- Confirmation Sample
- Ragin Cajun 12 CTB 3

Ragin Cajun 12 CTB 3



Google Earth



40 ft

APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map



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DEVON ENERGY PRODUCTION, LP.

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04601 POD1	SW	SE	SW	05	26S	35E	651709.8	3548919.7	

* UTM location was derived from PLSS - see Help

Driller License:	1249	Driller Company:	ATKINS ENGINEERING ASSOC. INC.
Driller Name:	JACKIE ATKINS		
Drill Start Date:	2022-03-31	Drill Finish Date:	2022-03-31
Log File Date:	2022-04-08	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:		Depth Well:	

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 OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623-8559

March 3, 2022

Marathon Oil
4111 S. Tidwell Road
Carlsbad, NM 88220

RE: Well Plugging Plan of Operations for **C-4601-POD1**

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced project. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer.

- (1) Plugging operations shall also be conducted in accordance with NMED, NMOCD, or other State or Federal agencies having oversight for the above described project.*
- (2) Well that encounters water - No more than 6.0 gallons water per 94 lb. sack of neat cement slurry.*
- (3) Dry hole – Drill cuttings or clean native fill up to 10 feet of land surface. Hydrated bentonite- Fresh water to be added above water column at rate of 5 gallons per 50-lb sack/bucket.*
- (4) Any deviation from this plan must obtain an approved variance from this office prior to implementation.*

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,


Kashyap Parekh
Water Resources Manager I



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C- 460A (POD-1)

Name of well owner: Marathon Oil

Mailing address: 4111 S Tidwell Rd. County: Eddy

City: Carlsbad State: NM Zip code: 88220

Phone number: 575-988-8753 E-mail: msanjari@marathonoil.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Jackie D. Atkins (Atkins Engineering Associates)

New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/2023

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 3 min, 58.85 sec
Longitude: 103 deg, 23 min, 34.01 sec, NAD 83

2) Reason(s) for plugging well(s):

Soil boring to determine groundwater level

3) Was well used for any type of monitoring program? NO If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: Unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: 110 feet

- 7) Inside diameter of innermost casing: 2" inches.
- 8) Casing material: Temporary PVC SCH 40
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: _____
☐ a well screen or perforated pipe, state the screened interval(s): _____
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? NO If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:

- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

 The temporary 2" well material will be removed. IF water is encountered, Tremied from bottom to land Neat Cement in lifts. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged to surface using hydrated bentonite.
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 175
- 4) Type of Cement proposed: Type I/II Neat Cement
- 5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
 X mixed on site

- 7) Grout additives requested, and percent by dry weight relative to cement:

N/A

- 8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

The temporary well material will be removed. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite. If ground water is encountered the boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts. A 6.5" borehole will be plugged.

VIII. SIGNATURE:

I, Melodie Sanjari, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Melodie Sanjari

2/28/2022

Signature of Applicant

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

☒ Approved subject to the attached conditions.
☐ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 3rd day of March, 2022

Mike A. Hamman
 John R. D'Antonio Jr. P.E., New Mexico State Engineer

By:

K. Parekh
 KASHYAP PAREKH
 W. R. M. I

WD-08 Well Plugging Plan
 Version: July 31, 2019
 Page 3 of 5



OSE 011 MAR 1 2022 PM 3:40

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	N/A
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	110
Theoretical volume of grout required per interval (gallons)	N/A	N/A	175
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A	N/A	On-Site
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

USE DIT MAR 1 2022 PM 3:40

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

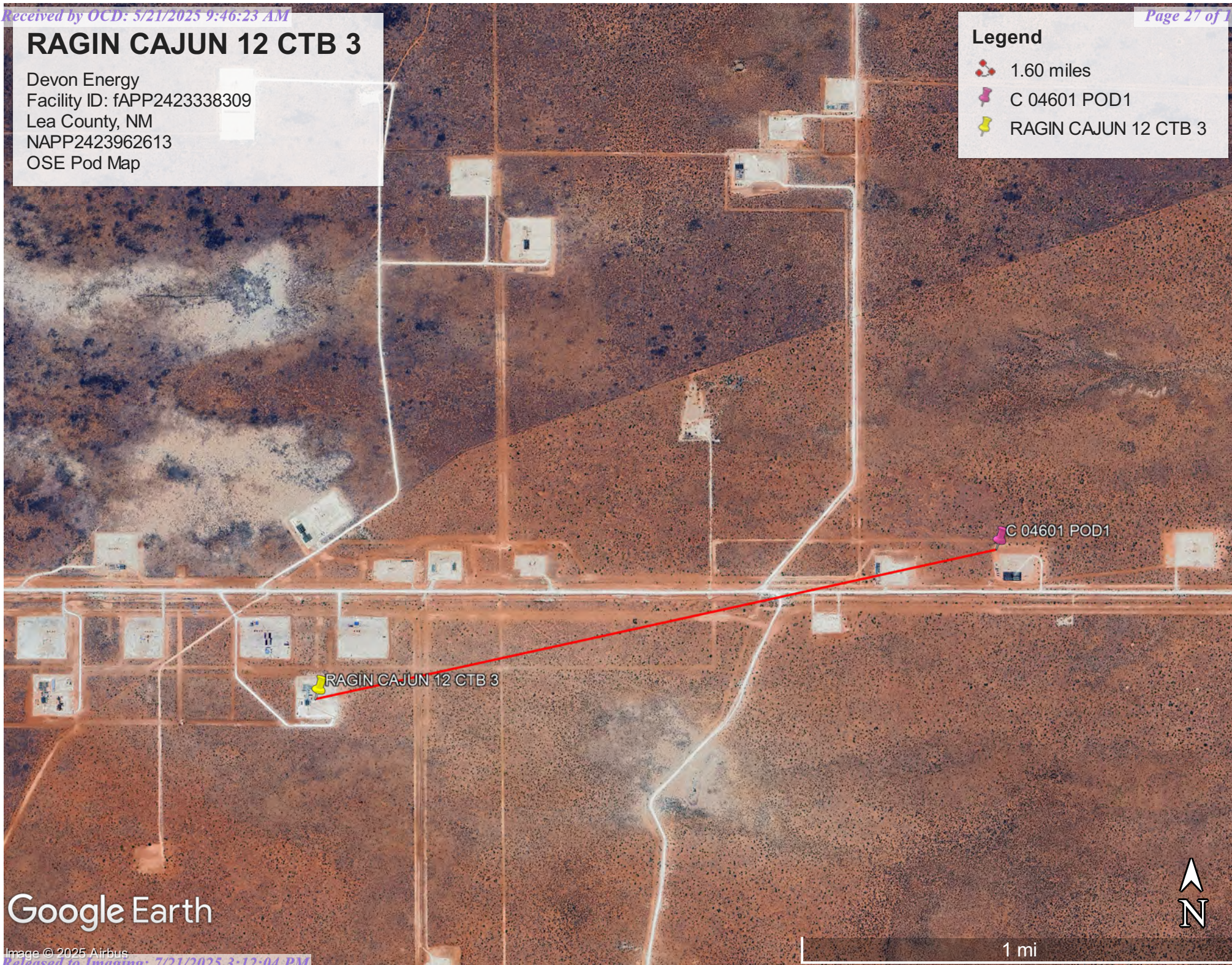
	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant or grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	15
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
OSE Pod Map

Legend

- 1.60 miles
- C 04601 POD1
- RAGIN CAJUN 12 CTB 3



Google Earth

Image © 2025 Airbus



1 mi



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 320108103191301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320108103191301 26S.35E.24.342444

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°01'08", Longitude 103°19'13" NAD27

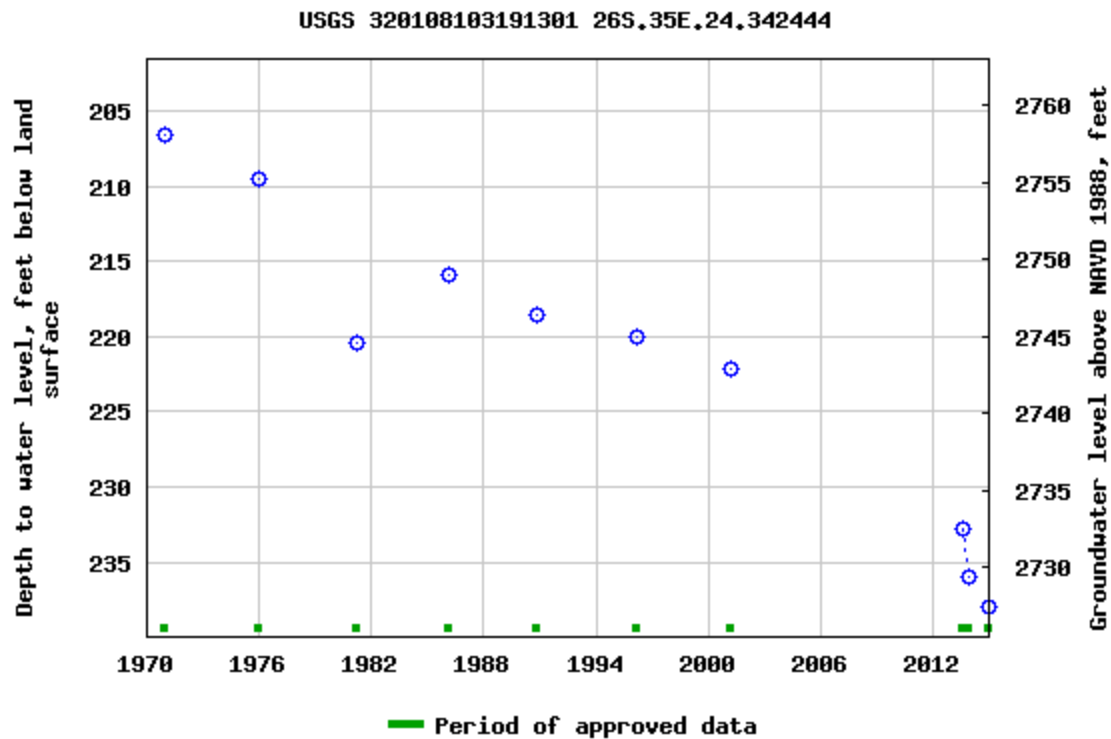
Land-surface elevation 2,965 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-05-19 12:13:44 EDT

0.64 0.44 nadww01

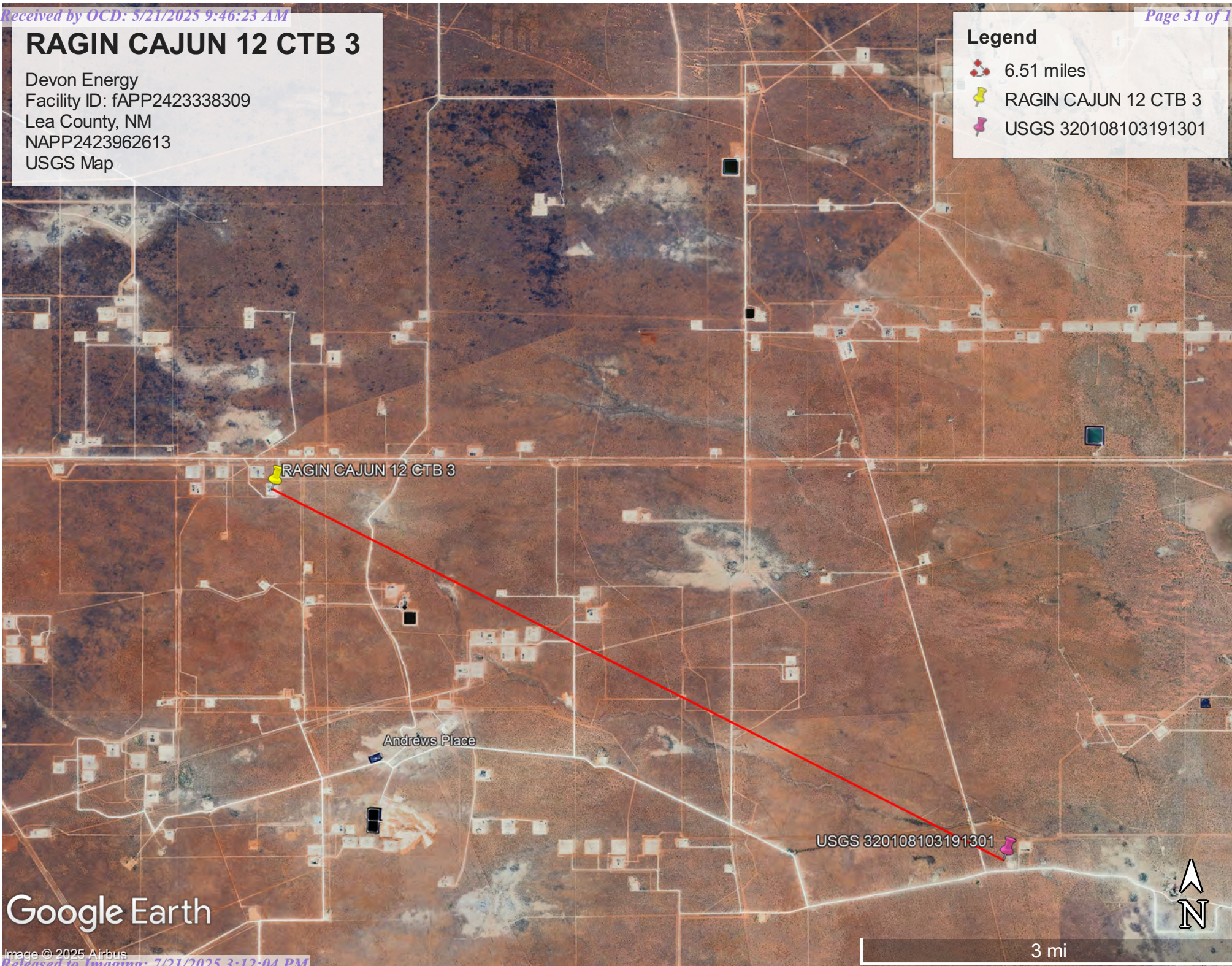


RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
USGS Map

Legend

- 6.51 miles
- RAGIN CAJUN 12 CTB 3
- USGS 320108103191301



Google Earth

Image © 2025 Airbus

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
Surface Water Map

Legend

-  16.57 miles
-  RAGIN CAJUN 12 CTB 3
-  Salt PLaya

Salt PLaya

RAGIN CAJUN 12 CTB 3

Bennett

Jal

NEW MEXICO

Google Earth

Image © 2025 Airbus

Released to Imaging: 7/21/2025 3:12:04 PM

Andrews Place

10 mi



APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map

FEMA Flood Map

Wetlands Map



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

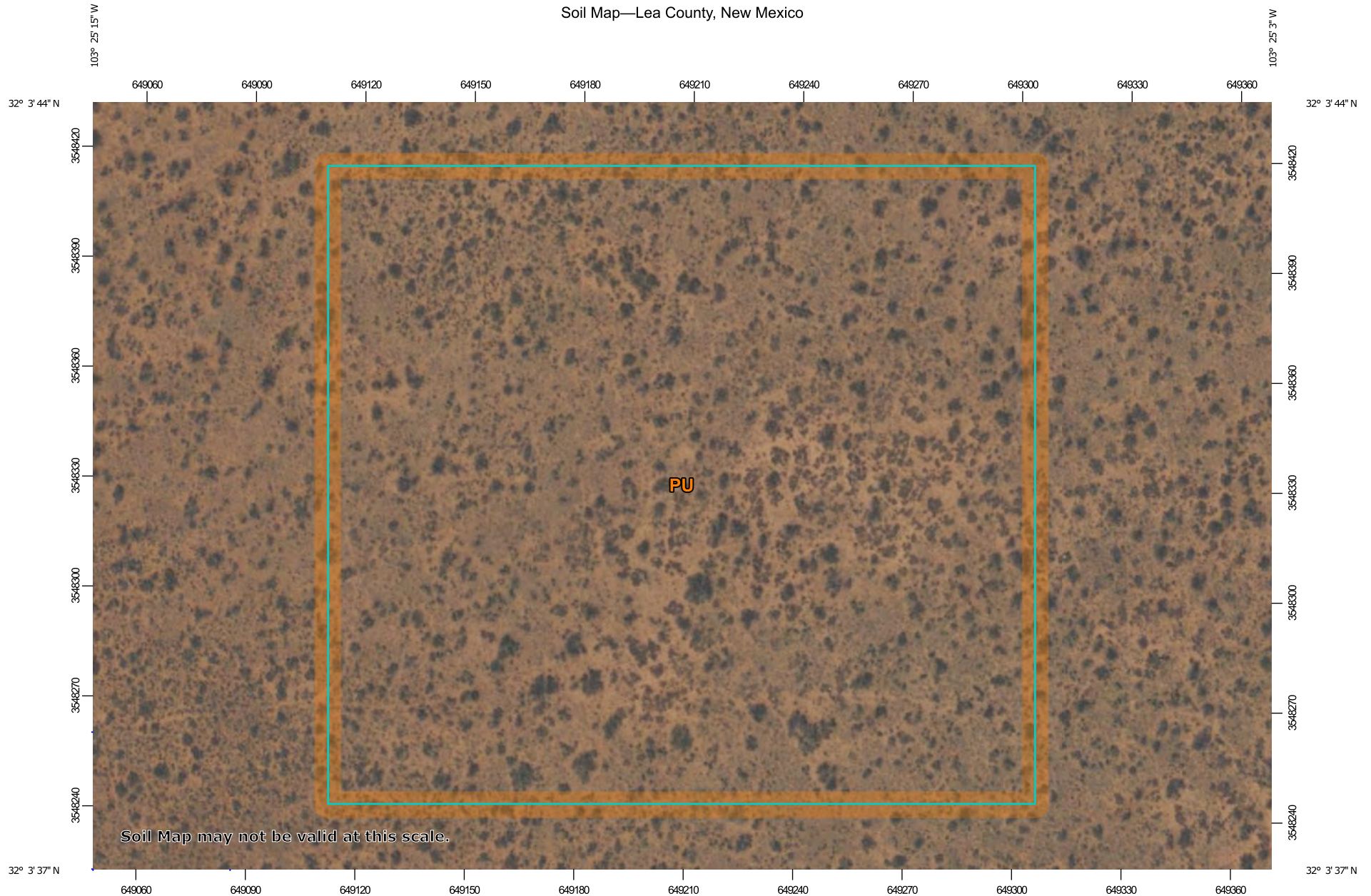
Hydric soil rating: No

Data Source Information

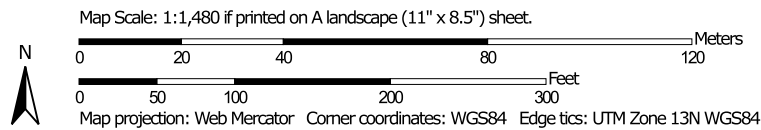
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico



Soil Map may not be valid at this scale.



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

5/19/2025
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	8.4	100.0%
Totals for Area of Interest		8.4	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)

JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State New Mexico (/geology/state/state.php?state=NM)

Name Eolian and piedmont deposits

Geologic age Holocene to middle Pleistocene

Lithologic constituents Major
Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits

References

New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).

NGMDB product NGMDB product page for 22974
(https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal (https://www.usgs.gov/laws/policies_notices.html) |

Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)

U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |

No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

RAGIN CAJUN 12 CTB 3

Devon Energy
Facility ID: fAPP2423338309
Lea County, NM
NAPP2423962613
Geological Map

RAGIN CAJUN 12 CTB 3

Legend

-  Eolian and piedmont deposits
-  Ogallala Formation
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  RAGIN CAJUN 12 CTB 3

Andrews Place

Google Earth

Image © 2025 Airbus

Released to Imaging: 7/21/2025 3:12:04 PM

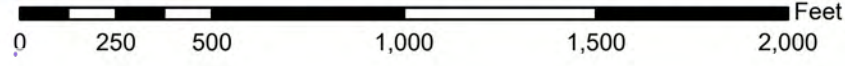
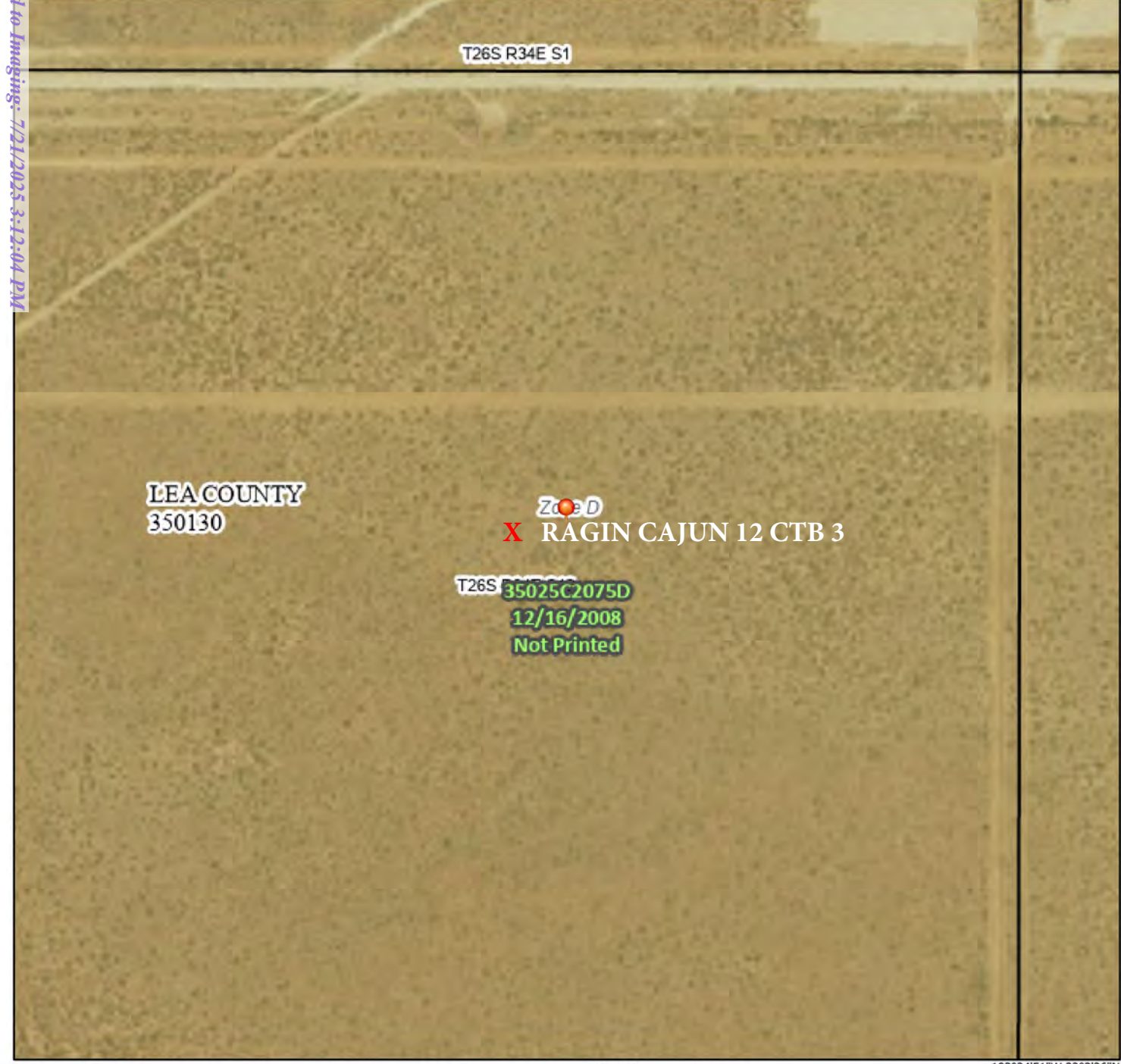
4 mi



National Flood Hazard Layer FIRMette



3°25'28"W 32°3'56"N



1:6,000

103°24'51"W 32°3'26"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 Zone X
		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		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
		Hydrographic Feature
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 5/19/2025 at 3:57 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.

Released to Imaging: 7/21/2025 3:12:04 PM

Received by OCD: 5/19/2025 9:46:23 AM

Page 43 of 140



Wetlands Map



May 19, 2025

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX C

Liner Inspection Form

Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.



Pima Environmental Services, LLC

Liner Inspection FormCompany Name: Devon EnergySite: Ragin Cajun 12 CTB 3Lat/Long: 32.0614366, -103.419365

NMOCD Incident ID

& Incident Date: NAPP2423962613 8/26/2024

2-Day Notification

Sent: Submitted on OCD portal 9/9/2024 application ID: 381653.Inspection Date: 9/11/2024

Liner Type: Earthen w/liner Earthen no liner Polystar

Steel w/poly liner Steel w/spray epoxy No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Fluid from power washing the Liner
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Andrew Franco Inspector Signature: Andrew Franco

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Assessment:



Site information sign.



Photo taken during assessment, taken facing South.



Photo taken during assessment, taken facing Northwest.

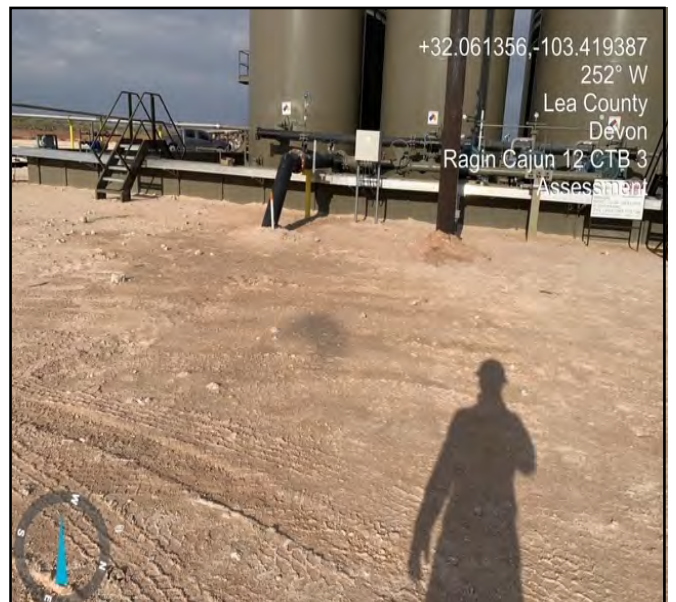


Photo taken during assessment, taken facing Southwest.



Photo taken during assessment, taken facing Northwest.



Photo taken during assessment, taken facing Northwest.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Pre-Excavation:



Photo taken prior to excavation, taken facing Southwest.



Photo taken prior to excavation, taken facing Northwest.



Photo taken prior to excavation, taken facing South



Photo taken prior to excavation, taken facing North.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Excavation:



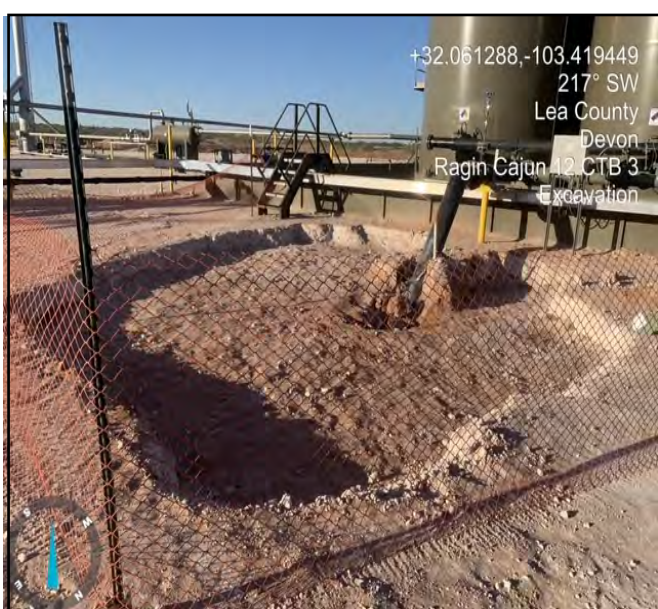
Pictures taken during excavation, Facing Northeast.



Pictures taken during excavation, Facing Northwest.



Pictures taken during excavation, Facing East.



Pictures taken during excavation, Facing Southwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Post- Excavation:

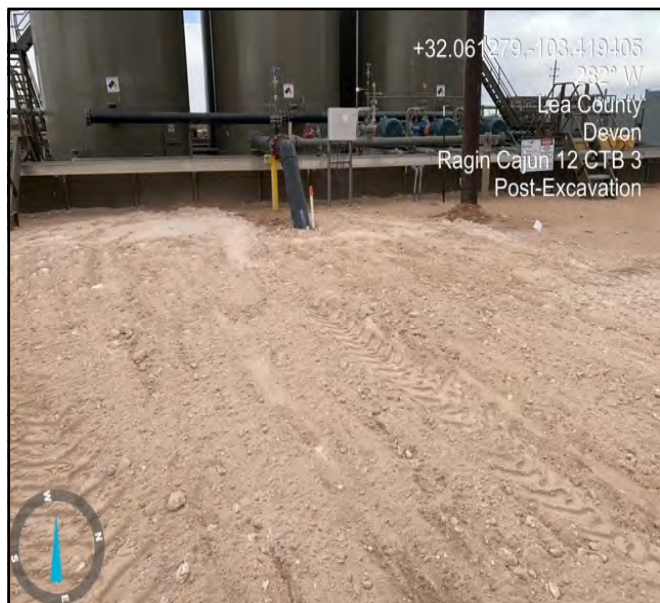


Photo taken pursuant to excavation, taken facing West.



Photo taken pursuant to excavation, taken facing North



Photo taken pursuant to excavation, taken facing Southwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Intial Liner Inspection:



Photo of liner taken prior to power washing.
Facing Northeast.



Photo of liner taken prior to power washing.
Facing North.

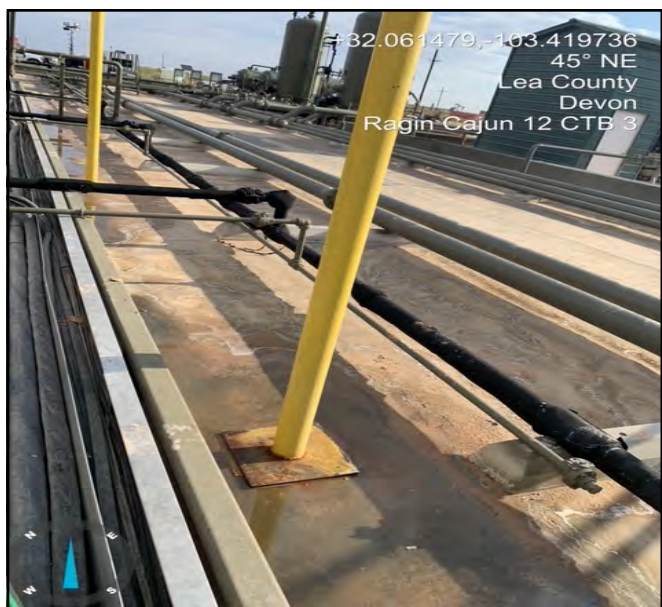


Photo of liner taken prior to power washing.
Facing Northeast.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Liner Inspection:



Photo taken pursuant to power washing.



Photo taken pursuant to power washing.



Photo taken pursuant to power washing.



Photo taken pursuant to power washing.



Photo taken pursuant to power washing.

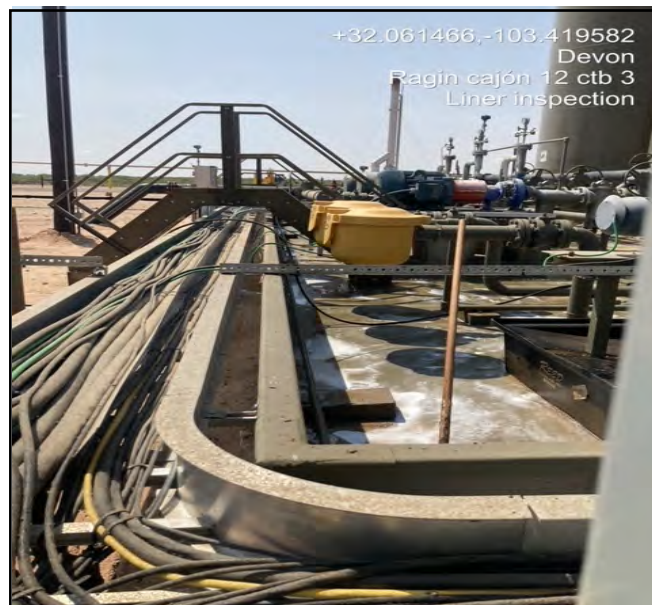


Photo taken pursuant to power washing.



Photo taken pursuant to power washing.



Photo taken pursuant to power washing.

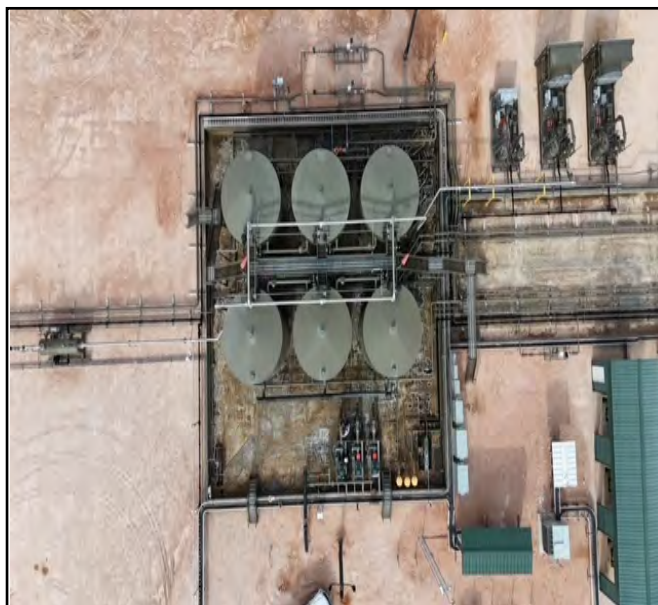
PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Ragin Cajun12 CTB 3

Aerial Photos:



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.



Aerial photo of liner.

APPENDIX D

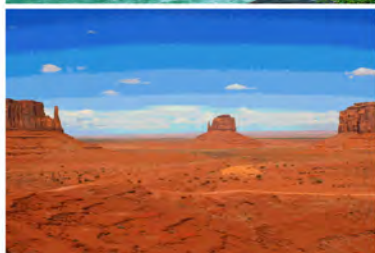
Laboratory Results



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Ragin Cajun 12 CTB 3

Work Order: E408282

Job Number: 01058-0007

Received: 9/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/9/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/9/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Ragin Cajun 12 CTB 3
Workorder: E408282
Date Received: 9/3/2024 5:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/3/2024 5:00:00AM, under the Project Name: Ragin Cajun 12 CTB 3.

The analytical test results summarized in this report with the Project Name: Ragin Cajun 12 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 09/09/24 10:01
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E408282-01A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S1-2'	E408282-02A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S1-3'	E408282-03A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S1-4'	E408282-04A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW1	E408282-05A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW2	E408282-06A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW3	E408282-07A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW4	E408282-08A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S2-1'	E408282-09A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S2-2'	E408282-10A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S2-3'	E408282-11A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S2-4'	E408282-12A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW5	E408282-13A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW6	E408282-14A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW7	E408282-15A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
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S3-2'	E408282-17A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S3-3'	E408282-18A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
S3-4'	E408282-19A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
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S4-4'	E408282-23A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW8	E408282-24A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW9	E408282-25A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW10	E408282-26A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
SW11	E408282-27A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.
BG1	E408282-28A	Soil	08/29/24	09/03/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S1-1'

E408282-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/03/24	09/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	09/03/24	09/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/03/24	09/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	09/03/24	09/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
<i>Surrogate: n-Nonane</i>		84.8 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	877	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S1-2'

E408282-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		81.0 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	85.4	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S1-3'

E408282-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		09/03/24	09/04/24	
Surrogate: Toluene-d8	105 %	70-130		09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		09/03/24	09/04/24	
Surrogate: Toluene-d8	105 %	70-130		09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane	83.4 %	50-200		09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	42.5	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S1-4'

E408282-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		108 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		108 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		83.7 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/03/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW1

E408282-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		84.9 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW2

E408282-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		86.4 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW3

E408282-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		104 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		104 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		80.9 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW4

E408282-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		85.2 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2-1'

E408282-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	37.3	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		85.9 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	73.8	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S2-2'

E408282-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		82.7 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	26.8	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S2-3'

E408282-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		85.3 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	24.4	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S2-4'

E408282-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		83.3 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW5

E408282-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		93.0 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW6

E408282-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/03/24	09/04/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		85.6 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW7

E408282-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		83.3 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S3-1'

E408282-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		107 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		71.8 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	29.9	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3-2'

E408282-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	106 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	106 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane	82.7 %	50-200		09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S3-3'

E408282-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		81.2 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S3-4'

E408282-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		105 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		81.4 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4-1'

E408282-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/03/24	09/05/24	
Surrogate: Toluene-d8		106 %	70-130	09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/03/24	09/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/03/24	09/04/24	
Surrogate: n-Nonane		78.8 %	50-200	09/03/24	09/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2436017
Chloride	31.3	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

S4-2'

E408282-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	81.5 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2436001
Chloride	50.9	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4-3'

E408282-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	94.5 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	94.5 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	83.6 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2436001	
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4-4'

E408282-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	93.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	90.1 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	93.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	90.1 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2436026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	78.1 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2436001	
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW8

E408282-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	85.0 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2436001	
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW9

E408282-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Benzene	ND	0.0250	1	09/03/24	09/04/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/04/24	
Toluene	ND	0.0250	1	09/03/24	09/04/24	
o-Xylene	ND	0.0250	1	09/03/24	09/04/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/04/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene	92.7 %	70-130		09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/03/24	09/04/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/04/24	
Surrogate: Bromofluorobenzene	92.7 %	70-130		09/03/24	09/04/24	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/03/24	09/04/24	
Surrogate: Toluene-d8	102 %	70-130		09/03/24	09/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	80.7 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2436001	
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW10

E408282-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	104 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	104 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	83.4 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2436001
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
9/9/2024 10:01:35AM

SW11

E408282-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	103 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436013
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	103 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	85.3 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2436001
Chloride	ND	20.0	1	09/03/24	09/04/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

BG1

E408282-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Benzene	ND	0.0250	1	09/03/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/03/24	09/05/24	
Toluene	ND	0.0250	1	09/03/24	09/05/24	
o-Xylene	ND	0.0250	1	09/03/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/03/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	101 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2436013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/03/24	09/05/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/03/24	09/05/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/03/24	09/05/24	
Surrogate: Toluene-d8	101 %	70-130		09/03/24	09/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2436026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/04/24	09/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/04/24	09/06/24	
Surrogate: n-Nonane	86.9 %	50-200		09/04/24	09/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2436001	
Chloride	ND	20.0	1	09/03/24	09/04/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436012-BLK1) Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2436012-BS1) Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	2.40	0.0250	2.50		95.9	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130			
Toluene	2.42	0.0250	2.50		96.8	70-130			
o-Xylene	2.31	0.0250	2.50		92.5	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.5	70-130			
Total Xylenes	6.99	0.0250	7.50		93.2	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike (2436012-MS1) Source: E408282-07 Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	2.41	0.0250	2.50	ND	96.2	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.7	45-135			
Toluene	2.38	0.0250	2.50	ND	95.3	48-130			
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135			
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2436012-MSD1) Source: E408282-07 Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	2.30	0.0250	2.50	ND	91.9	48-131	4.57	23	
Ethylbenzene	2.28	0.0250	2.50	ND	91.2	45-135	3.81	27	
Toluene	2.29	0.0250	2.50	ND	91.6	48-130	3.94	24	
o-Xylene	2.21	0.0250	2.50	ND	88.5	43-135	3.75	27	
p,m-Xylene	4.40	0.0500	5.00	ND	88.0	43-135	5.57	27	
Total Xylenes	6.61	0.0250	7.50	ND	88.2	43-135	4.96	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436013-BLK1) Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.469		0.500		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS (2436013-BS1) Prepared: 09/03/24 Analyzed: 09/03/24

Benzene	2.22	0.0250	2.50		88.8	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.6	70-130			
Toluene	2.40	0.0250	2.50		96.0	70-130			
o-Xylene	2.38	0.0250	2.50		95.1	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.5	70-130			
Total Xylenes	7.15	0.0250	7.50		95.4	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2436013-MS1) Source: E408282-25 Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	2.24	0.0250	2.50	ND	89.8	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.44	0.0250	2.50	ND	97.5	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.0	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135			
Total Xylenes	7.12	0.0250	7.50	ND	95.0	43-135			
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2436013-MSD1) Source: E408282-25 Prepared: 09/03/24 Analyzed: 09/04/24

Benzene	2.06	0.0250	2.50	ND	82.3	48-131	8.65	23	
Ethylbenzene	2.09	0.0250	2.50	ND	83.8	45-135	9.33	27	
Toluene	2.19	0.0250	2.50	ND	87.8	48-130	10.5	24	
o-Xylene	2.28	0.0250	2.50	ND	91.2	43-135	4.13	27	
p,m-Xylene	4.52	0.0500	5.00	ND	90.4	43-135	4.94	27	
Total Xylenes	6.80	0.0250	7.50	ND	90.6	43-135	4.67	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436012-BLK1) Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2436012-BS2) Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

Matrix Spike (2436012-MS2) Source: E408282-07 Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike Dup (2436012-MSD2) Source: E408282-07 Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	3.65	20	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 9/9/2024 10:01:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436013-BLK1) Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.469		0.500		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS (2436013-BS2) Prepared: 09/03/24 Analyzed: 09/04/24

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		80.0	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2436013-MS2) Source: E408282-25 Prepared: 09/03/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	39.8	20.0	50.0	ND	79.5	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2436013-MSD2) Source: E408282-25 Prepared: 09/03/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0	ND	80.0	70-130	0.609	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436009-BLK1)					Prepared: 09/03/24 Analyzed: 09/04/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.0		50.0		89.9	50-200			

LCS (2436009-BS1)					Prepared: 09/03/24 Analyzed: 09/04/24				
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132			
Surrogate: n-Nonane	43.9		50.0		87.7	50-200			

Matrix Spike (2436009-MS1)					Source: E408282-10		Prepared: 09/03/24 Analyzed: 09/04/24		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.6	38-132			
Surrogate: n-Nonane	41.7		50.0		83.5	50-200			

Matrix Spike Dup (2436009-MSD1)					Source: E408282-10		Prepared: 09/03/24 Analyzed: 09/04/24		
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132	3.40	20	
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436026-BLK1)					Prepared: 09/04/24 Analyzed: 09/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			

LCS (2436026-BS1)					Prepared: 09/04/24 Analyzed: 09/06/24				
Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
Surrogate: n-Nonane	45.3		50.0		90.5	50-200			

Matrix Spike (2436026-MS1)					Source: E408282-21		Prepared: 09/04/24 Analyzed: 09/06/24		
Diesel Range Organics (C10-C28)	200	25.0	250	ND	80.1	38-132			
Surrogate: n-Nonane	43.7		50.0		87.5	50-200			

Matrix Spike Dup (2436026-MSD1)					Source: E408282-21		Prepared: 09/04/24 Analyzed: 09/06/24		
Diesel Range Organics (C10-C28)	194	25.0	250	ND	77.8	38-132	2.98	20	
Surrogate: n-Nonane	41.8		50.0		83.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436001-BLK1)					Prepared: 09/03/24 Analyzed: 09/03/24				
Chloride	ND	20.0							
LCS (2436001-BS1)					Prepared: 09/03/24 Analyzed: 09/03/24				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2436001-MS1)					Source: E408279-02		Prepared: 09/03/24 Analyzed: 09/03/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2436001-MSD1)					Source: E408279-02		Prepared: 09/03/24 Analyzed: 09/03/24		
Chloride	252	20.0	250	ND	101	80-120	0.122	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	9/9/2024 10:01:35AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436017-BLK1)					Prepared: 09/03/24 Analyzed: 09/03/24				
Chloride	ND	20.0							
LCS (2436017-BS1)					Prepared: 09/03/24 Analyzed: 09/03/24				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2436017-MS1)					Source: E408282-04		Prepared: 09/03/24 Analyzed: 09/03/24		
Chloride	271	20.0	250	ND	109	80-120			
Matrix Spike Dup (2436017-MSD1)					Source: E408282-04		Prepared: 09/03/24 Analyzed: 09/04/24		
Chloride	270	20.0	250	ND	108	80-120	0.576	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	09/09/24 10:01

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services
 Project: Pagin Cajun 12 CTB 3
 Project Manager: Gio Gomez
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 806-782-1151
 Email: gio@pimaoil.com
 Report due by: _____

Bill To

Attention: Devon

Address: _____

City, State, Zip _____

Phone: _____

Email: _____

Pima Project # 375

					Lab Use Only		TAT				EPA Program	
					Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
					<u>E408282</u>	<u>01058-0007</u>				<u>X</u>		
					Analysis and Method							
					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	RCRA	
											State	
											NM	CO
											UT	AZ
											TX	
											Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number							
8:27	8/29	S		S1-1'	1							
8:33				S1-2'	2							
8:41				S1-3'	3							
8:56				S1-4'	4							
9:11				SW1	5							
9:23				SW2	6							
9:30				SW3	7							
9:39				SW4	8							
9:43				S2-1'	9							
9:56				S2-2'	10							

Additional Instructions:

Billing# 21399103

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>8-30-24</u>	Time <u>1240</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8-30-24</u>	Time <u>1240</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8-30-24</u>	Time <u>1500</u>	Received by: (Signature) <u>A.M.</u>	Date <u>8-30-24</u>	Time <u>1800</u>
Relinquished by: (Signature) <u>A.M.</u>	Date <u>8-30-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kyle R Hall</u>	Date <u>9-3-24</u>	Time <u>0500</u>

Lab Use Only		
Received on ice:	<u>Y</u> / N	
T1	T2	T3
AVG Temp °C	<u>4</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Ragin Capn 12 CTB 3</u>		Attention: <u>Devon</u>		Lab WO# <u>E408282</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		Address:		City, State, Zip		Phone:		Analysis and Method		RCRA			
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip <u>Hobbs, NM, 88240</u>		Phone: <u>806-782-1151</u>		Email: <u>gio@pimaoil.com</u>		Report due by:		Pima Project # <u>375</u>			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:03	8/29	S		S2-3'	11							X		
10:11				S2-4'	12									
10:20				SW5	13									
10:27				SW6	14									
10:33				SW7	15									
10:39				S3-1'	16									
10:47				S3-2'	17									
10:51				S3-3'	18									
10:53				S3-4'	19									
11:00				S4-1'	20									

Additional Instructions:

Billing # 21399103

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Karime Adame</u>	<u>8-30-24</u>	<u>1240</u>	<u>[Signature]</u>	<u>8-30-24</u>	<u>1240</u>	
<u>[Signature]</u>	<u>8-30-24</u>	<u>1500</u>	<u>J.M.</u>	<u>8-30-24</u>	<u>1800</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>A.M.</u>	<u>8-30-24</u>	<u>2400</u>	<u>Kayla R Heller</u>	<u>9-3-24</u>	<u>0500</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services Project: <u>Ragin Cajon 12 CTB3</u> Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 806-782-1151 Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>375</u>					Lab Use Only Lab WO# <u>E408282</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks			
11:16	8/29	S		S4-2'	21															
11:25				S4-3'	22															
11:34				S4-4'	23															
11:46				SW8	24															
11:59				SW9	25															
12:03				SW10	26															
12:20				SW11	27															
12:27				BG1	28															
					2- (KHP)															
Additional Instructions: <u>Billing# 21399103</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>Karine Adame</u> Date <u>8-30-24</u> Time <u>1240</u> Received by: (Signature) <u>[Signature]</u> Date <u>8-30-24</u> Time <u>1240</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>8-30-24</u> Time <u>1500</u> Received by: (Signature) <u>[Signature]</u> Date <u>8-30-24</u> Time <u>1800</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>8-30-24</u> Time <u>2400</u> Received by: (Signature) <u>Kaylyn R. Hester</u> Date <u>9-3-24</u> Time <u>0500</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				

Envirotech Analytical Laboratory

Printed: 9/3/2024 7:07:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/03/24 05:00	Work Order ID:	E408282
Phone:	(575) 631-6977	Date Logged In:	08/30/24 15:59	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	09/09/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sampler name and No. of Containers are missing on COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? No
Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

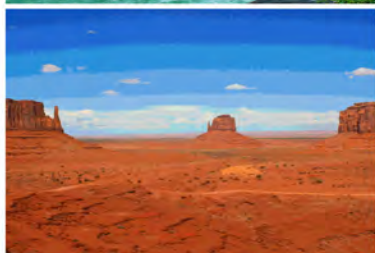
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Ragin Cajun 12 CTB 3

Work Order: E410384

Job Number: 01058-0007

Received: 11/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/4/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Ragin Cajun 12 CTB 3
Workorder: E410384
Date Received: 11/1/2024 7:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/1/2024 7:00:00AM, under the Project Name: Ragin Cajun 12 CTB 3.

The analytical test results summarized in this report with the Project Name: Ragin Cajun 12 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/04/24 10:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-1'	E410384-01A	Soil	10/31/24	11/01/24	Glass Jar, 2 oz.
CSW1	E410384-02A	Soil	10/31/24	11/01/24	Glass Jar, 2 oz.
CSW2	E410384-03A	Soil	10/31/24	11/01/24	Glass Jar, 2 oz.
CSW3	E410384-04A	Soil	10/31/24	11/01/24	Glass Jar, 2 oz.
CSW4	E410384-05A	Soil	10/31/24	11/01/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ragin Cajun 12 CTB 3 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 11/4/2024 10:56:15AM
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CS1-1'
E410384-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Benzene	ND	0.0250	1	11/01/24	11/01/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/01/24	
Toluene	ND	0.0250	1	11/01/24	11/01/24	
o-Xylene	ND	0.0250	1	11/01/24	11/01/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/01/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444144	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane	99.7 %	50-200		11/01/24	11/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444149	
Chloride	23.6	20.0	1	11/01/24	11/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 11/4/2024 10:56:15AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1

E410384-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Benzene	ND	0.0250	1	11/01/24	11/01/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/01/24	
Toluene	ND	0.0250	1	11/01/24	11/01/24	
o-Xylene	ND	0.0250	1	11/01/24	11/01/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/01/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444144	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane	97.8 %	50-200		11/01/24	11/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444149	
Chloride	ND	20.0	1	11/01/24	11/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ragin Cajun 12 CTB 3 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 11/4/2024 10:56:15AM
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CSW2

E410384-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Benzene	ND	0.0250	1	11/01/24	11/01/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/01/24	
Toluene	ND	0.0250	1	11/01/24	11/01/24	
o-Xylene	ND	0.0250	1	11/01/24	11/01/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/01/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444144	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane	103 %	50-200		11/01/24	11/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444149	
Chloride	ND	20.0	1	11/01/24	11/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported: 11/4/2024 10:56:15AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3

E410384-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Benzene	ND	0.0250	1	11/01/24	11/01/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/01/24	
Toluene	ND	0.0250	1	11/01/24	11/01/24	
o-Xylene	ND	0.0250	1	11/01/24	11/01/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/01/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/01/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444144	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
Surrogate: n-Nonane	107 %	50-200		11/01/24	11/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444149	
Chloride	ND	20.0	1	11/01/24	11/01/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
11/4/2024 10:56:15AM

CSW4

E410384-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Benzene	ND	0.0250	1	11/01/24	11/01/24	
Ethylbenzene	ND	0.0250	1	11/01/24	11/01/24	
Toluene	ND	0.0250	1	11/01/24	11/01/24	
o-Xylene	ND	0.0250	1	11/01/24	11/01/24	
p,m-Xylene	ND	0.0500	1	11/01/24	11/01/24	
Total Xylenes	ND	0.0250	1	11/01/24	11/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.8 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2444142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/24	11/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		11/01/24	11/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2444144	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/24	11/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/24	11/01/24	
<i>Surrogate: n-Nonane</i>	101 %	50-200		11/01/24	11/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2444149	
Chloride	ND	20.0	1	11/01/24	11/01/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/4/2024 10:56:15AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2444142-BLK1)

Prepared: 11/01/24 Analyzed: 11/01/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

LCS (2444142-BS1)

Prepared: 11/01/24 Analyzed: 11/01/24

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.0	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

LCS Dup (2444142-BSD1)

Prepared: 11/01/24 Analyzed: 11/01/24

Benzene	4.90	0.0250	5.00		98.0	70-130	2.44	20	
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130	2.39	20	
Toluene	4.87	0.0250	5.00		97.5	70-130	2.32	20	
o-Xylene	4.77	0.0250	5.00		95.5	70-130	2.51	20	
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130	2.27	20	
Total Xylenes	14.5	0.0250	15.0		96.6	70-130	2.35	20	
Surrogate: 4-Bromochlorobenzene-PID	7.23		8.00		90.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/4/2024 10:56:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444142-BLK1) Prepared: 11/01/24 Analyzed: 11/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2444142-BS2) Prepared: 11/01/24 Analyzed: 11/01/24

Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS Dup (2444142-BSD2) Prepared: 11/01/24 Analyzed: 11/01/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		81.9	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/4/2024 10:56:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2444144-BLK1) Prepared: 11/01/24 Analyzed: 11/01/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

LCS (2444144-BS1) Prepared: 11/01/24 Analyzed: 11/01/24

Diesel Range Organics (C10-C28)	269	25.0	250		107	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

LCS Dup (2444144-BSD1) Prepared: 11/01/24 Analyzed: 11/01/24

Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132	2.10	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/4/2024 10:56:15AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2444149-BLK1)					Prepared: 11/01/24 Analyzed: 11/01/24				
Chloride	ND	20.0							
LCS (2444149-BS1)					Prepared: 11/01/24 Analyzed: 11/01/24				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2444149-BSD1)					Prepared: 11/01/24 Analyzed: 11/01/24				
Chloride	257	20.0	250		103	90-110	0.594	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/04/24 10:56

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody



Envirotech Analytical Laboratory

Printed: 11/1/2024 8:11:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/01/24 07:00	Work Order ID:	E410384
Phone:	(575) 631-6977	Date Logged In:	10/31/24 14:31	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	11/01/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

No of containers and sampled by missing on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Lynsey Coons



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Ragin Cajun 12 CTB 3

Work Order: E505036

Job Number: 01058-0007

Received: 5/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/12/25

Lynsey Coons
PO Box 247
Plains, TX 79355-0247



Project Name: Ragin Cajun 12 CTB 3
Workorder: E505036
Date Received: 5/5/2025 7:45:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: Ragin Cajun 12 CTB 3.

The analytical test results summarized in this report with the Project Name: Ragin Cajun 12 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/12/25 10:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BACKFILL 1	E505036-01A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Ragin Cajun 12 CTB 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/12/2025 10:41:07AM

BACKFILL 1

E505036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	05/05/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/05/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>		95.3 %	61-141	05/06/25	05/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	ND	20.0	1	05/05/25	05/06/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/12/2025 10:41:07AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519019-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

LCS (2519019-BS1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.87	0.0250	5.00		77.5	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.2	70-130			
Toluene	3.89	0.0250	5.00		77.8	70-130			
o-Xylene	3.86	0.0250	5.00		77.3	70-130			
p,m-Xylene	7.74	0.0500	10.0		77.4	70-130			
Total Xylenes	11.6	0.0250	15.0		77.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

Matrix Spike (2519019-MS1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.99	0.0250	5.00	ND	79.8	70-130			
Ethylbenzene	3.92	0.0250	5.00	ND	78.4	70-130			
Toluene	3.98	0.0250	5.00	ND	79.7	70-130			
o-Xylene	3.96	0.0250	5.00	ND	79.3	70-130			
p,m-Xylene	7.85	0.0500	10.0	ND	78.5	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike Dup (2519019-MSD1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	4.42	0.0250	5.00	ND	88.3	70-130	10.1	27	
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	70-130	11.4	26	
Toluene	4.44	0.0250	5.00	ND	88.7	70-130	10.7	20	
o-Xylene	4.41	0.0250	5.00	ND	88.1	70-130	10.6	25	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130	11.5	23	
Total Xylenes	13.2	0.0250	15.0	ND	88.1	70-130	11.2	26	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/12/2025 10:41:07AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519019-BLK1) Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.26		8.00		103	70-130			

LCS (2519019-BS2) Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2519019-MS2) Source: E505032-04 Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			

Matrix Spike Dup (2519019-MSD2) Source: E505032-04 Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	7.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.47		8.00		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/12/2025 10:41:07AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519042-BLK1)

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	61-141			

LCS (2519042-BS1)

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	269	25.0	250		108	66-144			
Surrogate: <i>n</i> -Nonane	48.0		50.0		96.0	61-141			

Matrix Spike (2519042-MS1)

Source: E505032-04

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156			
Surrogate: <i>n</i> -Nonane	46.4		50.0		92.9	61-141			

Matrix Spike Dup (2519042-MSD1)

Source: E505032-04

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	1.45	20	
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.1	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/12/2025 10:41:07AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519030-BLK1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Chloride	ND	20.0							
LCS (2519030-BS1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519030-MS1)					Source: E505032-02		Prepared: 05/05/25 Analyzed: 05/06/25		
Chloride	303	20.0	250	46.3	103	80-120			
Matrix Spike Dup (2519030-MSD1)					Source: E505032-02		Prepared: 05/05/25 Analyzed: 05/06/25		
Chloride	302	20.0	250	46.3	102	80-120	0.322	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Ragin Cajun 12 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/12/25 10:41

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Pima Environmental Services, LLC				Company:		Lab WO#		Job Number		1D	2D	3D	Std						
Project Name: Ragin Cajun 12 CTB 3				Address:		E 505036		01058-0007					X						
Project Manager: Lynsey Coons				City, State, Zip:															
Address: 5614 North Lovington Hwy				Phone:															
City, State, Zip: Hobbs NM, 88260				Email:															
Phone: 575-318-7532				Miscellaneous: PROJECT# 1-375															
Email: Lynsey@pimaoil.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
12:57	5/1/2025	S		BACKFILL 1		1									X				
Additional Instructions: 21399103																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by:																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N							
Andrew Franco		5/1/25		2:00		Lynsey Coons		5/2/25		11:38									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Lynsey Coons		5/2/25		11:50		Michelle Gonzales		5-2-25		1410									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Michelle Gonzales		5-2-25		1745		C.M.		5-2-25		1745									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
C.M.		5-2-25		2345		C.M.		5-5-25		745									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 5/5/2025 10:04:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/05/25 07:45	Work Order ID:	E505036
Phone:	(575) 631-6977	Date Logged In:	05/05/25 09:55	Logged In By:	Noe Soto
Email:	lynsey@pimaoil.com	Due Date:	05/12/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

No. of containers and sampled by not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 465453

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423962613
Incident Name	NAPP2423962613 RAGIN CAJUN 12 CTB 3 @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2423338309] RAGIN CAJUN 12 CTB 3

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RAGIN CAJUN 12 CTB 3
Date Release Discovered	08/26/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	No
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	Cause: Equipment Failure Coupling Produced Water Released: 92 BBL Recovered: 90 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
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)	a 3" poly weld on the downstream leg of the facility WTPs broke apart. water was released into two lined containments. 0.03 bbls spilled onto pad. 90 bbls recovered from the two containments. 2 bbls believed to have evaporated before it could be recovered.

Sante Fe Main Office
Phone: (505) 476-3441

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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 2

Action 465453

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear 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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 11/19/2024
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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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 3

Action 465453

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	877
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	37
GRO+DRO (EPA SW-846 Method 8015M)	37
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	11/01/2024
On what date will (or did) the final sampling or liner inspection occur	11/01/2024
On what date will (or was) the remediation complete(d)	11/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	200
What is the estimated volume (in cubic yards) that will be reclaimed	7
What is the estimated surface area (in square feet) that will be remediated	200
What is the estimated volume (in cubic yards) that will be remediated	7
<i>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.</i>	
<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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Action 465453

QUESTIONS (continued)

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	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(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
<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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/04/2024
<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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Action 465453

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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Action 465453

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	396945
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/31/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	200

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	200
What was the total volume (cubic yards) remediated	7
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	200
What was the total volume (in cubic yards) reclaimed	7
Summarize any additional remediation activities not included by answers (above)	inspected for any pinholes or punctures or any evidence that the spilled fluids left containment

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/19/2024
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Action 465453

QUESTIONS (continued)

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	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	200
What was the total volume of replacement material (in cubic yards) for this site	7
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	01/01/2045
Summarize any additional reclamation activities not included by answers (above)	Initial Sampling was completed; Excavated to 1', collected confirmation sample. Collected backfill samples.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. 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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/21/2025

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Action 465453

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 465453

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465453
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	7/21/2025