

Environmental Site Remediation Work Plan

General Information

NMOCD District:	Hobbs	Incident ID:	nAPP2522525572
Landowner:	Bureau of Land Management	RP Reference:	n/a
Client:	Devon Energy Production Company, LP	Site Location:	Papas Fritas 27 CTB 2
Date:	October 2, 2025	Project #:	25A-04562
Client Contact:	Jim Raley	Phone #:	575.689.7597
Vertex PM:	Kent Stallings	Phone #:	346.814.1413

Objective

The objective of the environmental remediation work plan is to identify exceedances found during the site assessment/characterization activity and propose an appropriate remediation technique to address the release assigned to Papas Fritas 27 CTB 2 (hereafter referred to as the "site"). The incident occurred on site on August 12, 2025, when a leak on the water line from a separator released approximately 6 barrels of produced water onto the production area (pad; Attachment 1). Areas of environmental concern identified and delineated are around the separators and pad to the southwest. An aerial photograph of the site with characterization locations is presented on Figure 1 (Attachment 2).

The nearest depth to ground water reference is 1.28 miles to the northwest of the site. It is an active well that was drilled to 40 feet below ground surface (bgs) with a depth to water at 18 ft bgs. Closure criteria have been selected as per New Mexico Administrative Code 19.15.29. The closure criteria for the site are presented below.

Table 1. Closure Criteria for Soils Impacted by a Release DTGW ≤ 50 feet bgs		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
≤ 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

DTGW – depth to groundwater

bgs – below ground surface

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene and xylenes

Site Assessment/Characterization

Site characterization was started on August 19, 2025, and concluded on September 17, 2025. A total of nine sample points were established and samples collected for field screening. Samples were obtained at various depths for horizontal and vertical delineation, and samples at the greatest lateral limits below criteria were submitted to the laboratory for analysis. Samples at the deepest vertical distance below criteria were not obtainable at this time and will be completed during remediation. In total, 21 samples were submitted to Hall Environmental Analysis Laboratory, Albuquerque, New Mexico, for analysis. The sample locations are presented on Figure 1 (Attachment 2). Laboratory analysis results have been compared to the above noted closure criteria and the results from the characterization activity are presented in Table 2 (Attachment 3); exceedances to criteria are identified in the table as bold with a grey background. Laboratory data reports are included in Attachment 4. Daily Field Reports are included in Attachment 5. All applicable research as it pertains to closure criteria selection is presented in Attachment 6.

Environmental Site Remediation Work Plan

Remedial Activities

General

Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Soil will be excavated to the extents of the known contamination as possible with infrastructure in close proximity. Field screening will be utilized to confirm removal of contaminated soil below the applicable closure criteria. Contaminated soils will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally.

napp2522525572– Release from Separators onto Southwest Side of Production Area

Exceedances to closure criteria were identified at BH25-04, BH25-05 and BH25-08 around the separators and on the southwest area of the pad in the southwest, as shown on Figure 1 (Attachment 2). Impacted areas will be remediated to closure criteria via excavation where access is possible around separators and lines. Soil will be excavated at a planned depth of 4.5 ft within the release area. The excavation will be as close as safely possible to the active separators.

Heavy equipment will be used to complete excavation in areas free of infrastructure or equipment. Hand tools will be utilized to remove contaminated soil in close proximity to equipment, buried utilities, and pipelines. A hydrovac truck will be utilized to identify utility and buried pipelines and complete excavation where necessary. Confirmation samples will be collected as per NMOCD guidance and submitted for laboratory analysis of all applicable parameters. The total remediation area is approximately 3,487 square feet. The total estimated volume to be excavated is approximately **695 cubic yards**. Excavation is planned to be completed within 90 days of approval of this Environmental Site Remediation Work Plan.

Sample Point	Excavation Depth	Remediation Method
BH25-04	4.5'	Hand Crew
BH25-05	4.5'	Hand Crew
BH25-08	4.5'	Hand Crew



Environmental Site Remediation Work Plan

Should you have any questions or concerns, please do not hesitate to contact Kent Stallings at 346.814.1413 or kstallings@vertexresource.com.

Stephanie McCarty

Stephanie McCarty, B.Sc.

ENVIRONMENTAL SPECIALIST, REPORTING

October 6, 2025

Date

Kent Stallings

Kent Stallings, P.G

PROJECT MANAGER, REPORT REVIEW

October 7, 2025

Date

Attachments

- Attachment 1. NMODC C-141 Report
- Attachment 2. Characterization Sampling Site Schematic
- Attachment 3. Initial Characterization Laboratory Results
- Attachment 4. Laboratory Data Reports and Chain of Custody Forms
- Attachment 5. Daily Field Reports with Photographs
- Attachment 6. Closure Criteria Research

ATTACHMENT 1

Received by OCD: 8/19/2025 6:57:47 AM

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Contaminated Soil Calculations**How do you want to enter area?****Total area from app**Area from app (ft²) 3294.00

Depth of impacted soil 0.50 in

Soil Type Caliche

Spilled Material Produced Water

Soil Saturation Moist - some color change; little to no moisture left on hands

Volume of Spill In Soil 5.99 bbls

Total Spill Volume 5.99 bbls

Released to Imaging: 8/19/2025 8:34:22 AM

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

Action 496933

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 496933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2522525572
Incident Name	NAPP2522525572 PAPAS FRITAS 27 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2123649109] PAPAS FRITAS 27 CTB 2

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PAPAS FRITAS 27 CTB 2
Date Release Discovered	08/12/2025
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: Corrosion Dump Line Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 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)	Pinhole leak on water line of separator allowed release to pad surface.

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QUESTIONS, Page 2

Action 496933

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 496933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 08/19/2025
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QUESTIONS, Page 3

Action 496933

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 496933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	<i>Not answered.</i>
What method was used to determine the depth to ground water	<i>Not answered.</i>
Did this release impact groundwater or surface water	<i>Not answered.</i>
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	<i>Not answered.</i>
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	<i>Not answered.</i>
An occupied permanent residence, school, hospital, institution, or church	<i>Not answered.</i>
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	<i>Not answered.</i>
Any other fresh water well or spring	<i>Not answered.</i>
Incorporated municipal boundaries or a defined municipal fresh water well field	<i>Not answered.</i>
A wetland	<i>Not answered.</i>
A subsurface mine	<i>Not answered.</i>
An (non-karst) unstable area	<i>Not answered.</i>
Categorize the risk of this well / site being in a karst geology	<i>Not answered.</i>
A 100-year floodplain	<i>Not answered.</i>
Did the release impact areas not on an exploration, development, production, or storage site	<i>Not answered.</i>

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	No
<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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Santa Fe, NM 87505

CONDITIONS

Action 496933

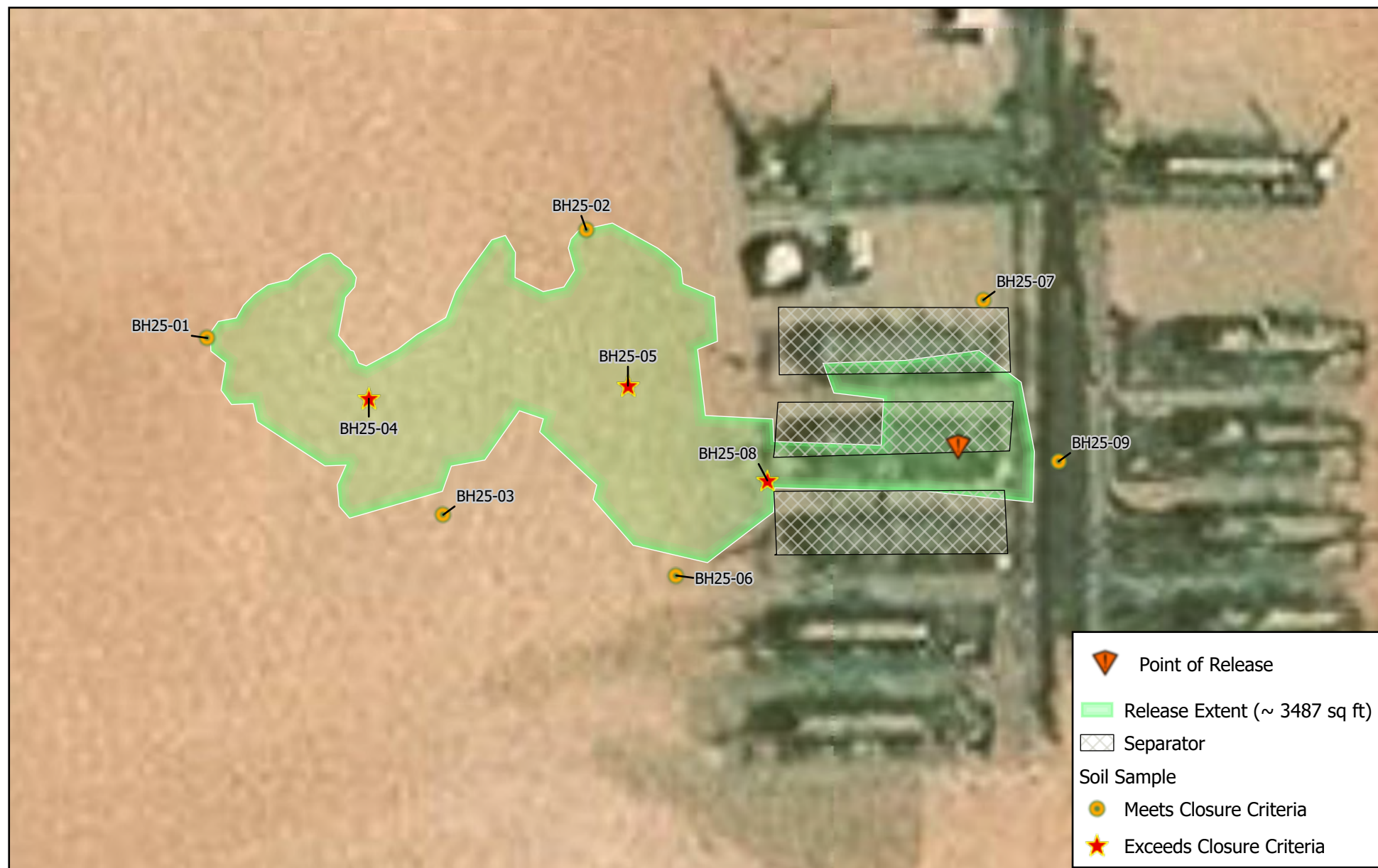
CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 496933
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	8/19/2025

ATTACHMENT 2



Map Center:
Lat/Long: 32.27301°N, 103.965059°W
Date: Oct 03/25
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet



Characterization Sampling Site Schematic Papás Fritas 27 CTB 2

FIGURE:

1



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

ATTACHMENT 3

Client Name: Devon Energy Production Company, LP
 Site Name: Papas Fritas 27 CTB 2
 NMOCD Tracking #: nAPP2522525572
 Project #: 25A-04562
 Lab Reports: 885-31491, 885-33327, and 885-33641

Table 2. Initial Characterization Laboratory Results - Depth to Groundwater <50 feet bgs												
Sample Description			Field Screening		Petroleum Hydrocarbons							Inorganic Chloride Concentration
Sample ID	Depth (ft)	Sample Date	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					
					Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Depth to Groundwater <50 feet bgs												
BH25-01	0	August 19, 2025	7	152	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	September 12, 2025	40	0	ND	ND	ND	ND	ND	ND	ND	ND
BH25-02	0	August 19, 2025	7	85	ND	ND	ND	ND	ND	ND	ND	74
	1.5	September 12, 2025	21	120	ND	ND	ND	ND	ND	ND	ND	100
BH25-03	0	August 19, 2025	7	0	ND	ND	ND	ND	ND	ND	ND	ND
	1.5	September 12, 2025	32	0	ND	ND	ND	ND	ND	ND	ND	ND
BH25-04	0	September 16, 2025	15	6,740	ND	ND	ND	ND	ND	ND	ND	6300
	1	September 17, 2025	-	6,263	-	-	-	-	-	-	-	-
	2	September 17, 2025	-	6,675	ND	ND	ND	ND	ND	ND	ND	5900
	3	September 17, 2025	19	4,612	ND	ND	ND	ND	ND	ND	ND	5200
BH25-05	0	September 16, 2025	28	7,225	ND	ND	ND	ND	ND	ND	ND	7400
	1	September 17, 2025	-	5,071	-	-	-	-	-	-	-	-
	2	September 17, 2025	-	6,112	ND	ND	ND	ND	ND	ND	ND	5700
	3	September 17, 2025	23	4,710	ND	ND	ND	ND	ND	ND	ND	6100
BH25-06	0	September 16, 2025	14	0	ND	ND	ND	ND	ND	ND	ND	ND
	2	September 17, 2025	13	0	ND	ND	ND	ND	ND	ND	ND	380
BH25-07	0	September 16, 2025	13	303	ND	ND	ND	ND	ND	ND	ND	230
	2	September 17, 2025	14	0	ND	ND	ND	ND	ND	ND	ND	470
BH25-08	0	September 16, 2025	23	4,767	ND	ND	ND	ND	ND	ND	ND	7000
	2	September 17, 2025	30	2,730	ND	ND	ND	ND	ND	ND	ND	6500
	3	September 17, 2025	-	3,114	-	-	-	-	-	-	-	-
	4	September 17, 2025	12	2,850	ND	ND	ND	ND	ND	ND	ND	6200
BH25-09	0	September 16, 2025	16	0	ND	ND	ND	ND	ND	ND	ND	120
	2	September 17, 2025	15	0	ND	ND	ND	ND	ND	ND	ND	130

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and gray shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

ATTACHMENT 4



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Sally Carttar
Vertex

3101 Boyd Dr

Carlsbad, New Mexico 88220

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JOB DESCRIPTION

Papas Fritas 27 CTB 2

JOB NUMBER

885-31491-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
Designee for
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

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Revision 1

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Laboratory Job ID: 885-31491-1



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Definitions/Glossary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Glossary

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

Case Narrative

Client: Vertex
Project: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Job ID: 885-31491-1

Eurofins Albuquerque

**Job Narrative
885-31491-1**

REVISION

The report being provided is a revision of the original report sent on 8/28/2025. The report (revision 1) is being revised due to Samples changed to BH25 instead of BS25.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/21/2025 7:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Client Sample ID: BH25-01 at Offt

Lab Sample ID: 885-31491-1

Date Collected: 08/19/25 08:30

Matrix: Solid

Date Received: 08/21/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/21/25 14:00	08/23/25 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			08/21/25 14:00	08/23/25 01:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/21/25 14:00	08/23/25 01:53	1
Ethylbenzene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 01:53	1
Toluene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 01:53	1
Xylenes, Total	ND		0.10	mg/Kg		08/21/25 14:00	08/23/25 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			08/21/25 14:00	08/23/25 01:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		08/26/25 12:37	08/27/25 12:46	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/26/25 12:37	08/27/25 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		62 - 134			08/26/25 12:37	08/27/25 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		08/22/25 07:02	08/22/25 09:58	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Client Sample ID: BH25-02 at Offt

Lab Sample ID: 885-31491-2

Date Collected: 08/19/25 09:00

Matrix: Solid

Date Received: 08/21/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/21/25 14:00	08/23/25 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			08/21/25 14:00	08/23/25 03:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/21/25 14:00	08/23/25 03:04	1
Ethylbenzene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 03:04	1
Toluene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 03:04	1
Xylenes, Total	ND		0.099	mg/Kg		08/21/25 14:00	08/23/25 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/21/25 14:00	08/23/25 03:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/26/25 12:37	08/27/25 12:57	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/26/25 12:37	08/27/25 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/26/25 12:37	08/27/25 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74		51	mg/Kg		08/22/25 07:02	08/22/25 10:09	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Client Sample ID: BH25-03 at 0ft

Lab Sample ID: 885-31491-3

Date Collected: 08/19/25 08:08

Matrix: Solid

Date Received: 08/21/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/21/25 14:00	08/23/25 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			08/21/25 14:00	08/23/25 04:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/21/25 14:00	08/23/25 04:16	1
Ethylbenzene	ND		0.049	mg/Kg		08/21/25 14:00	08/23/25 04:16	1
Toluene	ND		0.049	mg/Kg		08/21/25 14:00	08/23/25 04:16	1
Xylenes, Total	ND		0.099	mg/Kg		08/21/25 14:00	08/23/25 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		15 - 150			08/21/25 14:00	08/23/25 04:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/26/25 12:37	08/27/25 13:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/26/25 12:37	08/27/25 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/26/25 12:37	08/27/25 13:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		08/22/25 07:02	08/22/25 11:27	10

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

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

Lab Sample ID: MB 885-32942/1-A

Matrix: Solid

Analysis Batch: 33040

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/21/25 14:00	08/23/25 01:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			08/21/25 14:00	08/23/25 01:29	1

Lab Sample ID: LCS 885-32942/2-A

Matrix: Solid

Analysis Batch: 33040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.0		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	185		15 - 150				

Lab Sample ID: 885-31491-1 MS

Matrix: Solid

Analysis Batch: 33040

Client Sample ID: BH25-01 at 0ft

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	18.7		mg/Kg		75	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	173		15 - 150						

Lab Sample ID: 885-31491-1 MSD

Matrix: Solid

Analysis Batch: 33040

Client Sample ID: BH25-01 at 0ft

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	22.7		mg/Kg		91	70 - 130	19	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	192		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-32942/1-A

Matrix: Solid

Analysis Batch: 33039

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/21/25 14:00	08/23/25 01:29	1
Ethylbenzene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 01:29	1
Toluene	ND		0.050	mg/Kg		08/21/25 14:00	08/23/25 01:29	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

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

Lab Sample ID: MB 885-32942/1-A

Matrix: Solid

Analysis Batch: 33039

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		08/21/25 14:00	08/23/25 01:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		15 - 150			08/21/25 14:00	08/23/25 01:29	1

Lab Sample ID: LCS 885-32942/3-A

Matrix: Solid

Analysis Batch: 33039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.976		mg/Kg		98	70 - 130
Ethylbenzene	1.00	0.926		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	2.00	1.95		mg/Kg		97	70 - 130
o-Xylene	1.00	0.929		mg/Kg		93	70 - 130
Toluene	1.00	0.952		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	89		15 - 150				

Lab Sample ID: 885-31491-2 MS

Matrix: Solid

Analysis Batch: 33039

Client Sample ID: BH25-02 at 0ft

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.995	1.01		mg/Kg		102	70 - 130
Ethylbenzene	ND		0.995	1.01		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	ND		1.99	2.10		mg/Kg		105	70 - 130
o-Xylene	ND		0.995	1.02		mg/Kg		103	70 - 130
Toluene	ND		0.995	1.02		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	88		15 - 150						

Lab Sample ID: 885-31491-2 MSD

Matrix: Solid

Analysis Batch: 33039

Client Sample ID: BH25-02 at 0ft

Prep Type: Total/NA

Prep Batch: 32942

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.996	1.04		mg/Kg		104	70 - 130	3	20
Ethylbenzene	ND		0.996	1.00		mg/Kg		101	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.99	2.11		mg/Kg		106	70 - 130	1	20
o-Xylene	ND		0.996	1.01		mg/Kg		101	70 - 130	1	20
Toluene	ND		0.996	1.01		mg/Kg		101	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		15 - 150								

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

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

Lab Sample ID: MB 885-33229/1-A

Matrix: Solid

Analysis Batch: 33306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33229

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/26/25 12:37	08/27/25 10:03	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/26/25 12:37	08/27/25 10:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/26/25 12:37	08/27/25 10:03	1

Lab Sample ID: LCS 885-33229/2-A

Matrix: Solid

Analysis Batch: 33306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.5		mg/Kg		97	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	102		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-32975/1-A

Matrix: Solid

Analysis Batch: 32973

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 32975

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		08/22/25 07:02	08/22/25 08:03	1

Lab Sample ID: LCS 885-32975/2-A

Matrix: Solid

Analysis Batch: 32973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 32975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.3	47.5		mg/Kg		94	90 - 110

Lab Sample ID: 885-31491-1 MS

Matrix: Solid

Analysis Batch: 32973

Client Sample ID: BH25-01 at 0ft

Prep Type: Total/NA

Prep Batch: 32975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.2	53.4		mg/Kg		106	50 - 150

Lab Sample ID: 885-31491-1 MSD

Matrix: Solid

Analysis Batch: 32973

Client Sample ID: BH25-01 at 0ft

Prep Type: Total/NA

Prep Batch: 32975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride	ND		50.5	53.6		mg/Kg		NC	50 - 150	0 20

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

GC VOA

Prep Batch: 32942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	5030C	
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	5030C	
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	5030C	
MB 885-32942/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-32942/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-32942/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-31491-1 MS	BH25-01 at 0ft	Total/NA	Solid	5030C	
885-31491-1 MSD	BH25-01 at 0ft	Total/NA	Solid	5030C	
885-31491-2 MS	BH25-02 at 0ft	Total/NA	Solid	5030C	
885-31491-2 MSD	BH25-02 at 0ft	Total/NA	Solid	5030C	

Analysis Batch: 33039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	8021B	32942
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	8021B	32942
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	8021B	32942
MB 885-32942/1-A	Method Blank	Total/NA	Solid	8021B	32942
LCS 885-32942/3-A	Lab Control Sample	Total/NA	Solid	8021B	32942
885-31491-2 MS	BH25-02 at 0ft	Total/NA	Solid	8021B	32942
885-31491-2 MSD	BH25-02 at 0ft	Total/NA	Solid	8021B	32942

Analysis Batch: 33040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	8015M/D	32942
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	8015M/D	32942
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	8015M/D	32942
MB 885-32942/1-A	Method Blank	Total/NA	Solid	8015M/D	32942
LCS 885-32942/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	32942
885-31491-1 MS	BH25-01 at 0ft	Total/NA	Solid	8015M/D	32942
885-31491-1 MSD	BH25-01 at 0ft	Total/NA	Solid	8015M/D	32942

GC Semi VOA

Prep Batch: 33229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	SHAKE	
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	SHAKE	
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	SHAKE	
MB 885-33229/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-33229/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 33306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	8015M/D	33229
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	8015M/D	33229
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	8015M/D	33229
MB 885-33229/1-A	Method Blank	Total/NA	Solid	8015M/D	33229
LCS 885-33229/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	33229

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

HPLC/IC

Analysis Batch: 32973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	300.0	32975
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	300.0	32975
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	300.0	32975
MB 885-32975/1-A	Method Blank	Total/NA	Solid	300.0	32975
LCS 885-32975/2-A	Lab Control Sample	Total/NA	Solid	300.0	32975
885-31491-1 MS	BH25-01 at 0ft	Total/NA	Solid	300.0	32975
885-31491-1 MSD	BH25-01 at 0ft	Total/NA	Solid	300.0	32975

Prep Batch: 32975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-31491-1	BH25-01 at 0ft	Total/NA	Solid	300_Prep	
885-31491-2	BH25-02 at 0ft	Total/NA	Solid	300_Prep	
885-31491-3	BH25-03 at 0ft	Total/NA	Solid	300_Prep	
MB 885-32975/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-32975/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-31491-1 MS	BH25-01 at 0ft	Total/NA	Solid	300_Prep	
885-31491-1 MSD	BH25-01 at 0ft	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Client Sample ID: BH25-01 at Off
Date Collected: 08/19/25 08:30
Date Received: 08/21/25 07:45

Lab Sample ID: 885-31491-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8015M/D		1	33040	JP	EET ALB	08/23/25 01:53
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8021B		1	33039	JP	EET ALB	08/23/25 01:53
Total/NA	Prep	SHAKE			33229	BZR	EET ALB	08/26/25 12:37
Total/NA	Analysis	8015M/D		1	33306	DR	EET ALB	08/27/25 12:46
Total/NA	Prep	300_Prep			32975	RC	EET ALB	08/22/25 07:02
Total/NA	Analysis	300.0		10	32973	RC	EET ALB	08/22/25 09:58

Client Sample ID: BH25-02 at Off
Date Collected: 08/19/25 09:00
Date Received: 08/21/25 07:45

Lab Sample ID: 885-31491-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8015M/D		1	33040	JP	EET ALB	08/23/25 03:04
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8021B		1	33039	JP	EET ALB	08/23/25 03:04
Total/NA	Prep	SHAKE			33229	BZR	EET ALB	08/26/25 12:37
Total/NA	Analysis	8015M/D		1	33306	DR	EET ALB	08/27/25 12:57
Total/NA	Prep	300_Prep			32975	RC	EET ALB	08/22/25 07:02
Total/NA	Analysis	300.0		10	32973	RC	EET ALB	08/22/25 10:09

Client Sample ID: BH25-03 at Off
Date Collected: 08/19/25 08:08
Date Received: 08/21/25 07:45

Lab Sample ID: 885-31491-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8015M/D		1	33040	JP	EET ALB	08/23/25 04:16
Total/NA	Prep	5030C			32942	KLS	EET ALB	08/21/25 14:00
Total/NA	Analysis	8021B		1	33039	JP	EET ALB	08/23/25 04:16
Total/NA	Prep	SHAKE			33229	BZR	EET ALB	08/26/25 12:37
Total/NA	Analysis	8015M/D		1	33306	DR	EET ALB	08/27/25 13:08
Total/NA	Prep	300_Prep			32975	RC	EET ALB	08/22/25 07:02
Total/NA	Analysis	300.0		10	32973	RC	EET ALB	08/22/25 11:27

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-31491-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	09-23-25

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-31491-1

Login Number: 31491

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 9/24/2025 2:20:06 PM

JOB DESCRIPTION

Papas Fritas 27 CTB 2

JOB NUMBER

885-33327-1

Eurofins Albuquerque
4901 Hawkins NE
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Eurofins Albuquerque

Job Notes

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

Authorization



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Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Laboratory Job ID: 885-33327-1

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Definitions/Glossary

Client: Vertex

Job ID: 885-33327-1

Project/Site: Papas Fritas 27 CTB 2

Glossary

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

Case Narrative

Client: Vertex
Project: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

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Job Narrative
885-33327-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 9/16/2025 7:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Client Sample ID: BH25-01 1.5

Lab Sample ID: 885-33327-1

Date Collected: 09/12/25 11:00

Matrix: Solid

Date Received: 09/16/25 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/17/25 12:44	09/22/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			09/17/25 12:44	09/22/25 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/17/25 12:44	09/22/25 12:32	1
Ethylbenzene	ND		0.049	mg/Kg		09/17/25 12:44	09/22/25 12:32	1
Toluene	ND		0.049	mg/Kg		09/17/25 12:44	09/22/25 12:32	1
Xylenes, Total	ND		0.097	mg/Kg		09/17/25 12:44	09/22/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			09/17/25 12:44	09/22/25 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/18/25 15:11	09/19/25 15:49	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/18/25 15:11	09/19/25 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/18/25 15:11	09/19/25 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		09/18/25 09:14	09/18/25 13:26	10

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Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Client Sample ID: BH25-02 1.5

Lab Sample ID: 885-33327-2

Date Collected: 09/12/25 12:00

Matrix: Solid

Date Received: 09/16/25 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/17/25 12:44	09/20/25 08:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			09/17/25 12:44	09/20/25 08:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/17/25 12:44	09/20/25 08:21	1
Ethylbenzene	ND		0.049	mg/Kg		09/17/25 12:44	09/20/25 08:21	1
Toluene	ND		0.049	mg/Kg		09/17/25 12:44	09/20/25 08:21	1
Xylenes, Total	ND		0.098	mg/Kg		09/17/25 12:44	09/20/25 08:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			09/17/25 12:44	09/20/25 08:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/18/25 15:11	09/19/25 16:00	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/18/25 15:11	09/19/25 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/18/25 15:11	09/19/25 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		49	mg/Kg		09/18/25 09:14	09/18/25 13:40	10

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Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Client Sample ID: BH25-03 1.5

Lab Sample ID: 885-33327-3

Date Collected: 09/12/25 13:00

Matrix: Solid

Date Received: 09/16/25 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/17/25 12:44	09/20/25 08:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			09/17/25 12:44	09/20/25 08:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/17/25 12:44	09/20/25 08:45	1
Ethylbenzene	ND		0.048	mg/Kg		09/17/25 12:44	09/20/25 08:45	1
Toluene	ND		0.048	mg/Kg		09/17/25 12:44	09/20/25 08:45	1
Xylenes, Total	ND		0.096	mg/Kg		09/17/25 12:44	09/20/25 08:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			09/17/25 12:44	09/20/25 08:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/18/25 15:11	09/19/25 16:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/18/25 15:11	09/19/25 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/18/25 15:11	09/19/25 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		09/18/25 09:14	09/18/25 14:21	10

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QC Sample Results

Client: Vertex

Job ID: 885-33327-1

Project/Site: Papas Fritas 27 CTB 2

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

Lab Sample ID: MB 885-34851/1-A

Matrix: Solid

Analysis Batch: 35101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34851

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/17/25 12:44	09/20/25 00:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			09/17/25 12:44	09/20/25 00:50	1

Lab Sample ID: LCS 885-34851/2-A

Matrix: Solid

Analysis Batch: 35101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.5		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	196		15 - 150				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-34851/1-A

Matrix: Solid

Analysis Batch: 35102

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34851

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/17/25 12:44	09/20/25 00:50	1
Ethylbenzene	ND		0.050	mg/Kg		09/17/25 12:44	09/20/25 00:50	1
Toluene	ND		0.050	mg/Kg		09/17/25 12:44	09/20/25 00:50	1
Xylenes, Total	ND		0.10	mg/Kg		09/17/25 12:44	09/20/25 00:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			09/17/25 12:44	09/20/25 00:50	1

Lab Sample ID: MB 885-34851/1-A

Matrix: Solid

Analysis Batch: 35162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34851

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/17/25 12:44	09/22/25 13:19	1
Ethylbenzene	ND		0.050	mg/Kg		09/17/25 12:44	09/22/25 13:19	1
Toluene	ND		0.050	mg/Kg		09/17/25 12:44	09/22/25 13:19	1
Xylenes, Total	ND		0.10	mg/Kg		09/17/25 12:44	09/22/25 13:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 150			09/17/25 12:44	09/22/25 13:19	1

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QC Sample Results

Client: Vertex

Job ID: 885-33327-1

Project/Site: Papas Fritas 27 CTB 2

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

Lab Sample ID: LCS 885-34851/3-A

Matrix: Solid

Analysis Batch: 35102

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.04		mg/Kg		104	70 - 130
Ethylbenzene	1.00	1.04		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	2.00	2.05		mg/Kg		103	70 - 130
o-Xylene	1.00	1.02		mg/Kg		102	70 - 130
Toluene	1.00	1.04		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		15 - 150

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

Lab Sample ID: MB 885-34981/1-A

Matrix: Solid

Analysis Batch: 35013

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34981

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/18/25 15:11	09/19/25 12:12	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/18/25 15:11	09/19/25 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134	09/18/25 15:11	09/19/25 12:12	1

Lab Sample ID: LCS 885-34981/2-A

Matrix: Solid

Analysis Batch: 35013

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	40.7		mg/Kg		81	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	85		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-34924/1-A

Matrix: Solid

Analysis Batch: 34930

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34924

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		4.9	mg/Kg		09/18/25 09:14	09/18/25 10:29	1

Lab Sample ID: LCS 885-34924/2-A

Matrix: Solid

Analysis Batch: 34930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	48.4		mg/Kg		97	90 - 110

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QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-33327-2 MS										Client Sample ID: BH25-02 1.5			
Matrix: Solid										Prep Type: Total/NA			
Analysis Batch: 34930										Prep Batch: 34924			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	100		50.7	149		mg/Kg		94	50 - 150				

Lab Sample ID: 885-33327-2 MSD										Client Sample ID: BH25-02 1.5			
Matrix: Solid										Prep Type: Total/NA			
Analysis Batch: 34930										Prep Batch: 34924			
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	100		50.0	157		mg/Kg		111	50 - 150	5	20		

QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

GC VOA

Prep Batch: 34851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	5030C	
885-33327-2	BH25-02 1.5	Total/NA	Solid	5030C	
885-33327-3	BH25-03 1.5	Total/NA	Solid	5030C	
MB 885-34851/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-34851/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-34851/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 35101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-2	BH25-02 1.5	Total/NA	Solid	8015M/D	34851
885-33327-3	BH25-03 1.5	Total/NA	Solid	8015M/D	34851
MB 885-34851/1-A	Method Blank	Total/NA	Solid	8015M/D	34851
LCS 885-34851/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	34851

Analysis Batch: 35102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-2	BH25-02 1.5	Total/NA	Solid	8021B	34851
885-33327-3	BH25-03 1.5	Total/NA	Solid	8021B	34851
MB 885-34851/1-A	Method Blank	Total/NA	Solid	8021B	34851
LCS 885-34851/3-A	Lab Control Sample	Total/NA	Solid	8021B	34851

Analysis Batch: 35161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	8015M/D	34851

Analysis Batch: 35162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	8021B	34851
MB 885-34851/1-A	Method Blank	Total/NA	Solid	8021B	34851

GC Semi VOA

Prep Batch: 34981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	SHAKE	
885-33327-2	BH25-02 1.5	Total/NA	Solid	SHAKE	
885-33327-3	BH25-03 1.5	Total/NA	Solid	SHAKE	
MB 885-34981/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-34981/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 35013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	8015M/D	34981
885-33327-2	BH25-02 1.5	Total/NA	Solid	8015M/D	34981
885-33327-3	BH25-03 1.5	Total/NA	Solid	8015M/D	34981
MB 885-34981/1-A	Method Blank	Total/NA	Solid	8015M/D	34981
LCS 885-34981/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	34981

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QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

HPLC/IC

Prep Batch: 34924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	300_Prep	
885-33327-2	BH25-02 1.5	Total/NA	Solid	300_Prep	
885-33327-3	BH25-03 1.5	Total/NA	Solid	300_Prep	
MB 885-34924/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-34924/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-33327-2 MS	BH25-02 1.5	Total/NA	Solid	300_Prep	
885-33327-2 MSD	BH25-02 1.5	Total/NA	Solid	300_Prep	

Analysis Batch: 34930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33327-1	BH25-01 1.5	Total/NA	Solid	300.0	34924
885-33327-2	BH25-02 1.5	Total/NA	Solid	300.0	34924
885-33327-3	BH25-03 1.5	Total/NA	Solid	300.0	34924
MB 885-34924/1-A	Method Blank	Total/NA	Solid	300.0	34924
LCS 885-34924/2-A	Lab Control Sample	Total/NA	Solid	300.0	34924
885-33327-2 MS	BH25-02 1.5	Total/NA	Solid	300.0	34924
885-33327-2 MSD	BH25-02 1.5	Total/NA	Solid	300.0	34924

Lab Chronicle

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Client Sample ID: BH25-01 1.5

Lab Sample ID: 885-33327-1

Date Collected: 09/12/25 11:00

Matrix: Solid

Date Received: 09/16/25 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8015M/D		1	35161	AT	EET ALB	09/22/25 12:32
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8021B		1	35162	AT	EET ALB	09/22/25 12:32
Total/NA	Prep	SHAKE			34981	BZR	EET ALB	09/18/25 15:11
Total/NA	Analysis	8015M/D		1	35013	EM	EET ALB	09/19/25 15:49
Total/NA	Prep	300_Prep			34924	MA	EET ALB	09/18/25 09:14
Total/NA	Analysis	300.0		10	34930	RC	EET ALB	09/18/25 13:26

Client Sample ID: BH25-02 1.5

Lab Sample ID: 885-33327-2

Date Collected: 09/12/25 12:00

Matrix: Solid

Date Received: 09/16/25 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8015M/D		1	35101	KLS	EET ALB	09/20/25 08:21
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8021B		1	35102	TC1	EET ALB	09/20/25 08:21
Total/NA	Prep	SHAKE			34981	BZR	EET ALB	09/18/25 15:11
Total/NA	Analysis	8015M/D		1	35013	EM	EET ALB	09/19/25 16:00
Total/NA	Prep	300_Prep			34924	MA	EET ALB	09/18/25 09:14
Total/NA	Analysis	300.0		10	34930	RC	EET ALB	09/18/25 13:40

Client Sample ID: BH25-03 1.5

Lab Sample ID: 885-33327-3

Date Collected: 09/12/25 13:00

Matrix: Solid

Date Received: 09/16/25 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8015M/D		1	35101	KLS	EET ALB	09/20/25 08:45
Total/NA	Prep	5030C			34851	JP	EET ALB	09/17/25 12:44
Total/NA	Analysis	8021B		1	35102	TC1	EET ALB	09/20/25 08:45
Total/NA	Prep	SHAKE			34981	BZR	EET ALB	09/18/25 15:11
Total/NA	Analysis	8015M/D		1	35013	EM	EET ALB	09/19/25 16:12
Total/NA	Prep	300_Prep			34924	MA	EET ALB	09/18/25 09:14
Total/NA	Analysis	300.0		10	34930	RC	EET ALB	09/18/25 14:21

Laboratory References:

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

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33327-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-26

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-33327-1

Login Number: 33327

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kent Stallings
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 10/1/2025 11:47:59 AM

JOB DESCRIPTION

Papas Fritas 27 CTB 2

JOB NUMBER

885-33641-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization



Authorized for release by
Andy Freeman, Business Unit Manager
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(505)345-3975

Generated
10/1/2025 11:47:59 AM

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Laboratory Job ID: 885-33641-1



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Definitions/Glossary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Case Narrative

Client: Vertex
Project: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Job ID: 885-33641-1Eurofins Albuquerque

Job Narrative 885-33641-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 9/19/2025 7:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-04 0'

Lab Sample ID: 885-33641-1

Date Collected: 09/16/25 10:00

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/23/25 10:50	09/26/25 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			09/23/25 10:50	09/26/25 01:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 10:50	09/26/25 01:09	1
Ethylbenzene	ND		0.049	mg/Kg		09/23/25 10:50	09/26/25 01:09	1
Toluene	ND		0.049	mg/Kg		09/23/25 10:50	09/26/25 01:09	1
Xylenes, Total	ND		0.098	mg/Kg		09/23/25 10:50	09/26/25 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		15 - 150			09/23/25 10:50	09/26/25 01:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/26/25 10:45	09/26/25 13:26	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/26/25 10:45	09/26/25 13:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			09/26/25 10:45	09/26/25 13:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6300		50	mg/Kg		09/24/25 09:19	09/24/25 11:17	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-05 0'

Lab Sample ID: 885-33641-2

Date Collected: 09/16/25 10:10

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/23/25 10:50	09/26/25 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			09/23/25 10:50	09/26/25 01:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 10:50	09/26/25 01:32	1
Ethylbenzene	ND		0.047	mg/Kg		09/23/25 10:50	09/26/25 01:32	1
Toluene	ND		0.047	mg/Kg		09/23/25 10:50	09/26/25 01:32	1
Xylenes, Total	ND		0.095	mg/Kg		09/23/25 10:50	09/26/25 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 150			09/23/25 10:50	09/26/25 01:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/26/25 10:45	09/26/25 14:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/26/25 10:45	09/26/25 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/26/25 10:45	09/26/25 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7400		49	mg/Kg		09/24/25 09:19	09/24/25 11:59	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-06 0'

Lab Sample ID: 885-33641-3

Date Collected: 09/16/25 10:20

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 10:50	09/26/25 01:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			09/23/25 10:50	09/26/25 01:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 10:50	09/26/25 01:56	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 10:50	09/26/25 01:56	1
Toluene	ND		0.050	mg/Kg		09/23/25 10:50	09/26/25 01:56	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 10:50	09/26/25 01:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 150			09/23/25 10:50	09/26/25 01:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/26/25 10:45	09/26/25 14:19	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/26/25 10:45	09/26/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			09/26/25 10:45	09/26/25 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		09/24/25 09:19	09/24/25 12:42	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-07 0'

Lab Sample ID: 885-33641-4

Date Collected: 09/16/25 10:30

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/23/25 13:09	09/26/25 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			09/23/25 13:09	09/26/25 16:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 13:09	09/26/25 16:05	1
Ethylbenzene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 16:05	1
Toluene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 16:05	1
Xylenes, Total	ND		0.096	mg/Kg		09/23/25 13:09	09/26/25 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			09/23/25 13:09	09/26/25 16:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/26/25 10:45	09/26/25 14:30	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/26/25 10:45	09/26/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/26/25 10:45	09/26/25 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		50	mg/Kg		09/24/25 09:19	09/24/25 12:56	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-08 0'

Lab Sample ID: 885-33641-5

Date Collected: 09/16/25 11:30

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 13:09	09/26/25 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		15 - 150			09/23/25 13:09	09/26/25 16:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 13:09	09/26/25 16:27	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 16:27	1
Toluene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 16:27	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 13:09	09/26/25 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			09/23/25 13:09	09/26/25 16:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/26/25 10:45	09/26/25 15:16	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/26/25 10:45	09/26/25 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			09/26/25 10:45	09/26/25 15:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7000		50	mg/Kg		09/24/25 09:19	09/24/25 13:39	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-09 0'

Lab Sample ID: 885-33641-6

Date Collected: 09/16/25 11:45

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/23/25 13:09	09/26/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			09/23/25 13:09	09/26/25 16:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 13:09	09/26/25 16:49	1
Ethylbenzene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 16:49	1
Toluene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 16:49	1
Xylenes, Total	ND		0.097	mg/Kg		09/23/25 13:09	09/26/25 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		15 - 150			09/23/25 13:09	09/26/25 16:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/26/25 10:45	09/26/25 15:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/26/25 10:45	09/26/25 15:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			09/26/25 10:45	09/26/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		50	mg/Kg		09/24/25 09:19	09/24/25 13:53	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-04 2'

Lab Sample ID: 885-33641-7

Date Collected: 09/17/25 08:40

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/23/25 13:09	09/26/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150			09/23/25 13:09	09/26/25 17:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 13:09	09/26/25 17:32	1
Ethylbenzene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 17:32	1
Toluene	ND		0.048	mg/Kg		09/23/25 13:09	09/26/25 17:32	1
Xylenes, Total	ND		0.095	mg/Kg		09/23/25 13:09	09/26/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			09/23/25 13:09	09/26/25 17:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/26/25 10:45	09/26/25 15:41	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/26/25 10:45	09/26/25 15:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			09/26/25 10:45	09/26/25 15:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5900		50	mg/Kg		09/24/25 09:19	09/24/25 14:07	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-04 3'

Lab Sample ID: 885-33641-8

Date Collected: 09/17/25 08:50

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 13:09	09/26/25 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			09/23/25 13:09	09/26/25 17:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 13:09	09/26/25 17:54	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 17:54	1
Toluene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 17:54	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 13:09	09/26/25 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			09/23/25 13:09	09/26/25 17:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/26/25 10:45	09/26/25 15:53	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/26/25 10:45	09/26/25 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			09/26/25 10:45	09/26/25 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5200		50	mg/Kg		09/24/25 09:19	09/24/25 14:21	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-05 2'

Lab Sample ID: 885-33641-9

Date Collected: 09/17/25 09:10

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 16:22	09/26/25 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 14:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 16:22	09/26/25 14:37	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 14:37	1
Toluene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 14:37	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 16:22	09/26/25 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			09/23/25 16:22	09/26/25 14:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/26/25 10:45	09/26/25 16:05	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/26/25 10:45	09/26/25 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			09/26/25 10:45	09/26/25 16:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5700		50	mg/Kg		09/24/25 09:19	09/24/25 14:35	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-05 3'

Lab Sample ID: 885-33641-10

Date Collected: 09/17/25 09:20

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 16:22	09/26/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			09/23/25 16:22	09/26/25 15:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 16:22	09/26/25 15:00	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 15:00	1
Toluene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 15:00	1
Xylenes, Total	ND		0.099	mg/Kg		09/23/25 16:22	09/26/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 150			09/23/25 16:22	09/26/25 15:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/26/25 10:45	09/26/25 14:54	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/26/25 10:45	09/26/25 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/26/25 10:45	09/26/25 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6100		49	mg/Kg		09/24/25 09:19	09/24/25 14:49	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-06 2'

Lab Sample ID: 885-33641-11

Date Collected: 09/17/25 09:30

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/23/25 16:22	09/26/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 15:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/23/25 16:22	09/26/25 15:24	1
Ethylbenzene	ND		0.046	mg/Kg		09/23/25 16:22	09/26/25 15:24	1
Toluene	ND		0.046	mg/Kg		09/23/25 16:22	09/26/25 15:24	1
Xylenes, Total	ND		0.092	mg/Kg		09/23/25 16:22	09/26/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150			09/23/25 16:22	09/26/25 15:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/26/25 10:45	09/26/25 15:05	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/26/25 10:45	09/26/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			09/26/25 10:45	09/26/25 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		50	mg/Kg		09/24/25 09:19	09/24/25 15:03	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-07 2'

Lab Sample ID: 885-33641-12

Date Collected: 09/17/25 09:40

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/23/25 16:22	09/26/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/23/25 16:22	09/26/25 15:47	1
Ethylbenzene	ND		0.047	mg/Kg		09/23/25 16:22	09/26/25 15:47	1
Toluene	ND		0.047	mg/Kg		09/23/25 16:22	09/26/25 15:47	1
Xylenes, Total	ND		0.094	mg/Kg		09/23/25 16:22	09/26/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 150			09/23/25 16:22	09/26/25 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/26/25 10:45	09/26/25 15:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/26/25 10:45	09/26/25 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/26/25 10:45	09/26/25 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		49	mg/Kg		09/24/25 09:19	09/24/25 15:18	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-08 2'

Lab Sample ID: 885-33641-13

Date Collected: 09/17/25 09:50

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/23/25 16:22	09/26/25 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 16:22	09/26/25 16:11	1
Ethylbenzene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:11	1
Toluene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:11	1
Xylenes, Total	ND		0.098	mg/Kg		09/23/25 16:22	09/26/25 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			09/23/25 16:22	09/26/25 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/26/25 10:45	09/26/25 15:28	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/26/25 10:45	09/26/25 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/26/25 10:45	09/26/25 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6500		50	mg/Kg		09/24/25 09:19	09/24/25 15:32	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-08 4'

Lab Sample ID: 885-33641-14

Date Collected: 09/17/25 10:10

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/23/25 16:22	09/26/25 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 16:22	09/26/25 16:34	1
Ethylbenzene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:34	1
Toluene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:34	1
Xylenes, Total	ND		0.098	mg/Kg		09/23/25 16:22	09/26/25 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150			09/23/25 16:22	09/26/25 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/26/25 10:45	09/26/25 15:39	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/26/25 10:45	09/26/25 15:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			09/26/25 10:45	09/26/25 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6200		51	mg/Kg		09/24/25 09:19	09/24/25 15:46	10

Eurofins Albuquerque

Client Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-09 2'

Lab Sample ID: 885-33641-15

Date Collected: 09/17/25 10:20

Matrix: Solid

Date Received: 09/19/25 07:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/23/25 16:22	09/26/25 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150			09/23/25 16:22	09/26/25 16:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/23/25 16:22	09/26/25 16:58	1
Ethylbenzene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:58	1
Toluene	ND		0.049	mg/Kg		09/23/25 16:22	09/26/25 16:58	1
Xylenes, Total	ND		0.098	mg/Kg		09/23/25 16:22	09/26/25 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 150			09/23/25 16:22	09/26/25 16:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/26/25 10:45	09/26/25 15:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/26/25 10:45	09/26/25 15:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/26/25 10:45	09/26/25 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		51	mg/Kg		09/24/25 09:19	09/24/25 16:28	10

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

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

Lab Sample ID: MB 885-35237/1-A

Matrix: Solid

Analysis Batch: 35453

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35237

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 10:50	09/25/25 16:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 150			09/23/25 10:50	09/25/25 16:07	1

Lab Sample ID: LCS 885-35237/2-A

Matrix: Solid

Analysis Batch: 35453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.5		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	193		15 - 150				

Lab Sample ID: MB 885-35254/1-A

Matrix: Solid

Analysis Batch: 35458

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35254

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 13:09	09/26/25 02:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150			09/23/25 13:09	09/26/25 02:31	1

Lab Sample ID: LCS 885-35254/2-A

Matrix: Solid

Analysis Batch: 35458

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.9		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	194	S1+	15 - 150				

Lab Sample ID: MB 885-35280/1-A

Matrix: Solid

Analysis Batch: 35512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35280

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/23/25 16:22	09/26/25 14:13	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

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

Lab Sample ID: MB 885-35280/1-A

Matrix: Solid

Analysis Batch: 35512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35280

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	92		15 - 150	09/23/25 16:22	09/26/25 14:13	1

Lab Sample ID: LCS 885-35280/2-A

Matrix: Solid

Analysis Batch: 35512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	25.0	24.2		mg/Kg		97	70 - 130
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
4-Bromofluorobenzene (Surr)	200		15 - 150				

Lab Sample ID: 885-33641-9 MS

Matrix: Solid

Analysis Batch: 35512

Client Sample ID: BH25-05 2'

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	23.9		mg/Kg		96	70 - 130
Surrogate	MS MS		Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	200		15 - 150						

Lab Sample ID: 885-33641-9 MSD

Matrix: Solid

Analysis Batch: 35512

Client Sample ID: BH25-05 2'

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	22.0		mg/Kg		88	70 - 130	8	20
Surrogate	MSD MSD		Limits								
	%Recovery	Qualifier									
4-Bromofluorobenzene (Surr)	195		15 - 150								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-35237/1-A

Matrix: Solid

Analysis Batch: 35454

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35237

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		09/23/25 10:50	09/25/25 16:07	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 10:50	09/25/25 16:07	1
Toluene	ND		0.050	mg/Kg		09/23/25 10:50	09/25/25 16:07	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 10:50	09/25/25 16:07	1

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QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

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

Lab Sample ID: MB 885-35237/1-A

Matrix: Solid

Analysis Batch: 35454

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35237

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac	
4-Bromofluorobenzene (Surr)	99		15 - 150	09/23/25 10:50	09/25/25 16:07	1		

Lab Sample ID: LCS 885-35237/3-A

Matrix: Solid

Analysis Batch: 35454

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35237

	Spike	LCS	LCS					%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	1.06		mg/Kg		106	70 - 130	
Ethylbenzene	1.00	1.07		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	2.00	2.09		mg/Kg		104	70 - 130	
o-Xylene	1.00	1.03		mg/Kg		103	70 - 130	
Toluene	1.00	1.06		mg/Kg		106	70 - 130	

	LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac	
4-Bromofluorobenzene (Surr)	104		15 - 150					

Lab Sample ID: MB 885-35254/1-A

Matrix: Solid

Analysis Batch: 35457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35254

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil
Benzene	ND		0.025	mg/Kg		09/23/25 13:09	09/26/25 02:31	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 02:31	1
Toluene	ND		0.050	mg/Kg		09/23/25 13:09	09/26/25 02:31	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 13:09	09/26/25 02:31	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac	
4-Bromofluorobenzene (Surr)	95		15 - 150	09/23/25 13:09	09/26/25 02:31	1		

Lab Sample ID: LCS 885-35254/3-A

Matrix: Solid

Analysis Batch: 35457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35254

	Spike	LCS	LCS					%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	1.00	0.927		mg/Kg		93	70 - 130	
Ethylbenzene	1.00	0.926		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	2.00	1.88		mg/Kg		94	70 - 130	
o-Xylene	1.00	0.930		mg/Kg		93	70 - 130	
Toluene	1.00	0.921		mg/Kg		92	70 - 130	

	LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac	
4-Bromofluorobenzene (Surr)	95		15 - 150					

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QC Sample Results

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

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

Lab Sample ID: MB 885-35280/1-A

Matrix: Solid

Analysis Batch: 35513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35280

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/23/25 16:22	09/26/25 14:13	1
Ethylbenzene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 14:13	1
Toluene	ND		0.050	mg/Kg		09/23/25 16:22	09/26/25 14:13	1
Xylenes, Total	ND		0.10	mg/Kg		09/23/25 16:22	09/26/25 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150	09/23/25 16:22	09/26/25 14:13	1

Lab Sample ID: LCS 885-35280/3-A

Matrix: Solid

Analysis Batch: 35513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.968		mg/Kg		97	70 - 130
Ethylbenzene	1.00	0.987		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	2.00	1.95		mg/Kg		98	70 - 130
o-Xylene	1.00	0.969		mg/Kg		97	70 - 130
Toluene	1.00	0.990		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		15 - 150

Lab Sample ID: 885-33641-10 MS

Matrix: Solid

Analysis Batch: 35513

Client Sample ID: BH25-05 3'

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.996	0.860		mg/Kg		86	70 - 130
Ethylbenzene	ND		0.996	0.883		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	ND		1.99	1.75		mg/Kg		87	70 - 130
o-Xylene	ND		0.996	0.851		mg/Kg		84	70 - 130
Toluene	ND		0.996	0.880		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		15 - 150

Lab Sample ID: 885-33641-10 MSD

Matrix: Solid

Analysis Batch: 35513

Client Sample ID: BH25-05 3'

Prep Type: Total/NA

Prep Batch: 35280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.998	0.865		mg/Kg		87	70 - 130	1	20
Ethylbenzene	ND		0.998	0.862		mg/Kg		86	70 - 130	2	20
m-Xylene & p-Xylene	ND		2.00	1.70		mg/Kg		84	70 - 130	3	20
o-Xylene	ND		0.998	0.826		mg/Kg		81	70 - 130	3	20
Toluene	ND		0.998	0.869		mg/Kg		87	70 - 130	1	20

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QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

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

Lab Sample ID: 885-33641-10 MSD

Matrix: Solid

Analysis Batch: 35513

Client Sample ID: BH25-05 3'

Prep Type: Total/NA

Prep Batch: 35280

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		15 - 150

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

Lab Sample ID: MB 885-35490/1-A

Matrix: Solid

Analysis Batch: 35478

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35490

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/26/25 10:45	09/26/25 13:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/26/25 10:45	09/26/25 13:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	114		62 - 134			09/26/25 10:45	09/26/25 13:02	1

Lab Sample ID: LCS 885-35490/2-A

Matrix: Solid

Analysis Batch: 35478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	58.0		mg/Kg		116	51 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	107		62 - 134				

Lab Sample ID: 885-33641-1 MS

Matrix: Solid

Analysis Batch: 35478

Client Sample ID: BH25-04 0'

Prep Type: Total/NA

Prep Batch: 35490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.9	54.0		mg/Kg		115	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	105		62 - 134						

Lab Sample ID: 885-33641-1 MSD

Matrix: Solid

Analysis Batch: 35475

Client Sample ID: BH25-04 0'

Prep Type: Total/NA

Prep Batch: 35490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.0	46.7		mg/Kg		99	44 - 136	15	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	96		62 - 134								

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QC Sample Results

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-35297/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 35316					Prep Batch: 35297				
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		5.0	mg/Kg		09/24/25 09:19	09/24/25 10:49	1	

Lab Sample ID: LCS 885-35297/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 35316					Prep Batch: 35297				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			49.3	52.3		mg/Kg		106	90 - 110

Lab Sample ID: 885-33641-1 MS					Client Sample ID: BH25-04 0'				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 35316					Prep Batch: 35297				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6300		49.5	6310	4	mg/Kg		82	50 - 150

QC Association Summary

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

GC VOA

Prep Batch: 35237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	5030C	
885-33641-2	BH25-05 0'	Total/NA	Solid	5030C	
885-33641-3	BH25-06 0'	Total/NA	Solid	5030C	
MB 885-35237/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-35237/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-35237/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 35254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-4	BH25-07 0'	Total/NA	Solid	5030C	
885-33641-5	BH25-08 0'	Total/NA	Solid	5030C	
885-33641-6	BH25-09 0'	Total/NA	Solid	5030C	
885-33641-7	BH25-04 2'	Total/NA	Solid	5030C	
885-33641-8	BH25-04 3'	Total/NA	Solid	5030C	
MB 885-35254/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-35254/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-35254/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 35280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-9	BH25-05 2'	Total/NA	Solid	5030C	
885-33641-10	BH25-05 3'	Total/NA	Solid	5030C	
885-33641-11	BH25-06 2'	Total/NA	Solid	5030C	
885-33641-12	BH25-07 2'	Total/NA	Solid	5030C	
885-33641-13	BH25-08 2'	Total/NA	Solid	5030C	
885-33641-14	BH25-08 4'	Total/NA	Solid	5030C	
885-33641-15	BH25-09 2'	Total/NA	Solid	5030C	
MB 885-35280/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-35280/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-35280/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-33641-9 MS	BH25-05 2'	Total/NA	Solid	5030C	
885-33641-9 MSD	BH25-05 2'	Total/NA	Solid	5030C	
885-33641-10 MS	BH25-05 3'	Total/NA	Solid	5030C	
885-33641-10 MSD	BH25-05 3'	Total/NA	Solid	5030C	

Analysis Batch: 35453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	8015M/D	35237
885-33641-2	BH25-05 0'	Total/NA	Solid	8015M/D	35237
885-33641-3	BH25-06 0'	Total/NA	Solid	8015M/D	35237
MB 885-35237/1-A	Method Blank	Total/NA	Solid	8015M/D	35237
LCS 885-35237/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	35237

Analysis Batch: 35454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	8021B	35237
885-33641-2	BH25-05 0'	Total/NA	Solid	8021B	35237
885-33641-3	BH25-06 0'	Total/NA	Solid	8021B	35237
MB 885-35237/1-A	Method Blank	Total/NA	Solid	8021B	35237
LCS 885-35237/3-A	Lab Control Sample	Total/NA	Solid	8021B	35237

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QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

GC VOA

Analysis Batch: 35457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-35254/1-A	Method Blank	Total/NA	Solid	8021B	35254
LCS 885-35254/3-A	Lab Control Sample	Total/NA	Solid	8021B	35254

Analysis Batch: 35458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-35254/1-A	Method Blank	Total/NA	Solid	8015M/D	35254
LCS 885-35254/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	35254

Analysis Batch: 35512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-9	BH25-05 2'	Total/NA	Solid	8015M/D	35280
885-33641-10	BH25-05 3'	Total/NA	Solid	8015M/D	35280
885-33641-11	BH25-06 2'	Total/NA	Solid	8015M/D	35280
885-33641-12	BH25-07 2'	Total/NA	Solid	8015M/D	35280
885-33641-13	BH25-08 2'	Total/NA	Solid	8015M/D	35280
885-33641-14	BH25-08 4'	Total/NA	Solid	8015M/D	35280
885-33641-15	BH25-09 2'	Total/NA	Solid	8015M/D	35280
MB 885-35280/1-A	Method Blank	Total/NA	Solid	8015M/D	35280
LCS 885-35280/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	35280
885-33641-9 MS	BH25-05 2'	Total/NA	Solid	8015M/D	35280
885-33641-9 MSD	BH25-05 2'	Total/NA	Solid	8015M/D	35280

Analysis Batch: 35513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-9	BH25-05 2'	Total/NA	Solid	8021B	35280
885-33641-10	BH25-05 3'	Total/NA	Solid	8021B	35280
885-33641-11	BH25-06 2'	Total/NA	Solid	8021B	35280
885-33641-12	BH25-07 2'	Total/NA	Solid	8021B	35280
885-33641-13	BH25-08 2'	Total/NA	Solid	8021B	35280
885-33641-14	BH25-08 4'	Total/NA	Solid	8021B	35280
885-33641-15	BH25-09 2'	Total/NA	Solid	8021B	35280
MB 885-35280/1-A	Method Blank	Total/NA	Solid	8021B	35280
LCS 885-35280/3-A	Lab Control Sample	Total/NA	Solid	8021B	35280
885-33641-10 MS	BH25-05 3'	Total/NA	Solid	8021B	35280
885-33641-10 MSD	BH25-05 3'	Total/NA	Solid	8021B	35280

Analysis Batch: 35532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-4	BH25-07 0'	Total/NA	Solid	8015M/D	35254
885-33641-5	BH25-08 0'	Total/NA	Solid	8015M/D	35254
885-33641-6	BH25-09 0'	Total/NA	Solid	8015M/D	35254
885-33641-7	BH25-04 2'	Total/NA	Solid	8015M/D	35254
885-33641-8	BH25-04 3'	Total/NA	Solid	8015M/D	35254

Analysis Batch: 35537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-4	BH25-07 0'	Total/NA	Solid	8021B	35254
885-33641-5	BH25-08 0'	Total/NA	Solid	8021B	35254
885-33641-6	BH25-09 0'	Total/NA	Solid	8021B	35254
885-33641-7	BH25-04 2'	Total/NA	Solid	8021B	35254
885-33641-8	BH25-04 3'	Total/NA	Solid	8021B	35254

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QC Association Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

GC Semi VOA

Analysis Batch: 35475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-2	BH25-05 0'	Total/NA	Solid	8015M/D	35490
885-33641-3	BH25-06 0'	Total/NA	Solid	8015M/D	35490
885-33641-4	BH25-07 0'	Total/NA	Solid	8015M/D	35490
885-33641-10	BH25-05 3'	Total/NA	Solid	8015M/D	35490
885-33641-11	BH25-06 2'	Total/NA	Solid	8015M/D	35490
885-33641-12	BH25-07 2'	Total/NA	Solid	8015M/D	35490
885-33641-13	BH25-08 2'	Total/NA	Solid	8015M/D	35490
885-33641-14	BH25-08 4'	Total/NA	Solid	8015M/D	35490
885-33641-15	BH25-09 2'	Total/NA	Solid	8015M/D	35490
885-33641-1 MSD	BH25-04 0'	Total/NA	Solid	8015M/D	35490

Analysis Batch: 35478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	8015M/D	35490
885-33641-5	BH25-08 0'	Total/NA	Solid	8015M/D	35490
885-33641-6	BH25-09 0'	Total/NA	Solid	8015M/D	35490
885-33641-7	BH25-04 2'	Total/NA	Solid	8015M/D	35490
885-33641-8	BH25-04 3'	Total/NA	Solid	8015M/D	35490
885-33641-9	BH25-05 2'	Total/NA	Solid	8015M/D	35490
MB 885-35490/1-A	Method Blank	Total/NA	Solid	8015M/D	35490
LCS 885-35490/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	35490
885-33641-1 MS	BH25-04 0'	Total/NA	Solid	8015M/D	35490

Prep Batch: 35490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	SHAKE	
885-33641-2	BH25-05 0'	Total/NA	Solid	SHAKE	
885-33641-3	BH25-06 0'	Total/NA	Solid	SHAKE	
885-33641-4	BH25-07 0'	Total/NA	Solid	SHAKE	
885-33641-5	BH25-08 0'	Total/NA	Solid	SHAKE	
885-33641-6	BH25-09 0'	Total/NA	Solid	SHAKE	
885-33641-7	BH25-04 2'	Total/NA	Solid	SHAKE	
885-33641-8	BH25-04 3'	Total/NA	Solid	SHAKE	
885-33641-9	BH25-05 2'	Total/NA	Solid	SHAKE	
885-33641-10	BH25-05 3'	Total/NA	Solid	SHAKE	
885-33641-11	BH25-06 2'	Total/NA	Solid	SHAKE	
885-33641-12	BH25-07 2'	Total/NA	Solid	SHAKE	
885-33641-13	BH25-08 2'	Total/NA	Solid	SHAKE	
885-33641-14	BH25-08 4'	Total/NA	Solid	SHAKE	
885-33641-15	BH25-09 2'	Total/NA	Solid	SHAKE	
MB 885-35490/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-35490/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-33641-1 MS	BH25-04 0'	Total/NA	Solid	SHAKE	
885-33641-1 MSD	BH25-04 0'	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 35297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	300_Prep	
885-33641-2	BH25-05 0'	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

HPLC/IC (Continued)

Prep Batch: 35297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-3	BH25-06 0'	Total/NA	Solid	300_Prep	
885-33641-4	BH25-07 0'	Total/NA	Solid	300_Prep	
885-33641-5	BH25-08 0'	Total/NA	Solid	300_Prep	
885-33641-6	BH25-09 0'	Total/NA	Solid	300_Prep	
885-33641-7	BH25-04 2'	Total/NA	Solid	300_Prep	
885-33641-8	BH25-04 3'	Total/NA	Solid	300_Prep	
885-33641-9	BH25-05 2'	Total/NA	Solid	300_Prep	
885-33641-10	BH25-05 3'	Total/NA	Solid	300_Prep	
885-33641-11	BH25-06 2'	Total/NA	Solid	300_Prep	
885-33641-12	BH25-07 2'	Total/NA	Solid	300_Prep	
885-33641-13	BH25-08 2'	Total/NA	Solid	300_Prep	
885-33641-14	BH25-08 4'	Total/NA	Solid	300_Prep	
885-33641-15	BH25-09 2'	Total/NA	Solid	300_Prep	
MB 885-35297/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-35297/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-33641-1 MS	BH25-04 0'	Total/NA	Solid	300_Prep	

Analysis Batch: 35316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-33641-1	BH25-04 0'	Total/NA	Solid	300.0	35297
885-33641-2	BH25-05 0'	Total/NA	Solid	300.0	35297
885-33641-3	BH25-06 0'	Total/NA	Solid	300.0	35297
885-33641-4	BH25-07 0'	Total/NA	Solid	300.0	35297
885-33641-5	BH25-08 0'	Total/NA	Solid	300.0	35297
885-33641-6	BH25-09 0'	Total/NA	Solid	300.0	35297
885-33641-7	BH25-04 2'	Total/NA	Solid	300.0	35297
885-33641-8	BH25-04 3'	Total/NA	Solid	300.0	35297
885-33641-9	BH25-05 2'	Total/NA	Solid	300.0	35297
885-33641-10	BH25-05 3'	Total/NA	Solid	300.0	35297
885-33641-11	BH25-06 2'	Total/NA	Solid	300.0	35297
885-33641-12	BH25-07 2'	Total/NA	Solid	300.0	35297
885-33641-13	BH25-08 2'	Total/NA	Solid	300.0	35297
885-33641-14	BH25-08 4'	Total/NA	Solid	300.0	35297
885-33641-15	BH25-09 2'	Total/NA	Solid	300.0	35297
MB 885-35297/1-A	Method Blank	Total/NA	Solid	300.0	35297
LCS 885-35297/2-A	Lab Control Sample	Total/NA	Solid	300.0	35297
885-33641-1 MS	BH25-04 0'	Total/NA	Solid	300.0	35297

Eurofins Albuquerque

Lab Chronicle

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

Client Sample ID: BH25-04 0'

Lab Sample ID: 885-33641-1

Date Collected: 09/16/25 10:00

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8015M/D		1	35453	KLS	EET ALB	09/26/25 01:09
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8021B		1	35454	KLS	EET ALB	09/26/25 01:09
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 13:26
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 11:17

Client Sample ID: BH25-05 0'

Lab Sample ID: 885-33641-2

Date Collected: 09/16/25 10:10

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8015M/D		1	35453	KLS	EET ALB	09/26/25 01:32
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8021B		1	35454	KLS	EET ALB	09/26/25 01:32
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 14:08
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 11:59

Client Sample ID: BH25-06 0'

Lab Sample ID: 885-33641-3

Date Collected: 09/16/25 10:20

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8015M/D		1	35453	KLS	EET ALB	09/26/25 01:56
Total/NA	Prep	5030C			35237	JP	EET ALB	09/23/25 10:50
Total/NA	Analysis	8021B		1	35454	KLS	EET ALB	09/26/25 01:56
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 14:19
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 12:42

Client Sample ID: BH25-07 0'

Lab Sample ID: 885-33641-4

Date Collected: 09/16/25 10:30

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8015M/D		1	35532	AT	EET ALB	09/26/25 16:05

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Lab Chronicle

Client: Vertex

Job ID: 885-33641-1

Project/Site: Papas Fritas 27 CTB 2

Client Sample ID: BH25-07 0'

Lab Sample ID: 885-33641-4

Date Collected: 09/16/25 10:30

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8021B		1	35537	AT	EET ALB	09/26/25 16:05
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 14:30
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 12:56

Client Sample ID: BH25-08 0'

Lab Sample ID: 885-33641-5

Date Collected: 09/16/25 11:30

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8015M/D		1	35532	AT	EET ALB	09/26/25 16:27
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8021B		1	35537	AT	EET ALB	09/26/25 16:27
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 15:16
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 13:39

Client Sample ID: BH25-09 0'

Lab Sample ID: 885-33641-6

Date Collected: 09/16/25 11:45

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8015M/D		1	35532	AT	EET ALB	09/26/25 16:49
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8021B		1	35537	AT	EET ALB	09/26/25 16:49
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 15:29
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 13:53

Client Sample ID: BH25-04 2'

Lab Sample ID: 885-33641-7

Date Collected: 09/17/25 08:40

Matrix: Solid

Date Received: 09/19/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8015M/D		1	35532	AT	EET ALB	09/26/25 17:32
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8021B		1	35537	AT	EET ALB	09/26/25 17:32

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-04 2'
Date Collected: 09/17/25 08:40
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 15:41
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 14:07

Client Sample ID: BH25-04 3'
Date Collected: 09/17/25 08:50
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8015M/D		1	35532	AT	EET ALB	09/26/25 17:54
Total/NA	Prep	5030C			35254	JP	EET ALB	09/23/25 13:09
Total/NA	Analysis	8021B		1	35537	AT	EET ALB	09/26/25 17:54
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 15:53
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 14:21

Client Sample ID: BH25-05 2'
Date Collected: 09/17/25 09:10
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 14:37
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 14:37
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35478	BZR	EET ALB	09/26/25 16:05
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 14:35

Client Sample ID: BH25-05 3'
Date Collected: 09/17/25 09:20
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 15:00
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 15:00
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 14:54

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-05 3'
Date Collected: 09/17/25 09:20
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 14:49

Client Sample ID: BH25-06 2'
Date Collected: 09/17/25 09:30
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 15:24
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 15:24
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 15:05
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 15:03

Client Sample ID: BH25-07 2'
Date Collected: 09/17/25 09:40
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 15:47
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 15:47
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 15:17
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 15:18

Client Sample ID: BH25-08 2'
Date Collected: 09/17/25 09:50
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 16:11
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 16:11
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 15:28
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 15:32

Lab Chronicle

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Client Sample ID: BH25-08 4'
Date Collected: 09/17/25 10:10
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 16:34
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 16:34
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 15:39
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 15:46

Client Sample ID: BH25-09 2'
Date Collected: 09/17/25 10:20
Date Received: 09/19/25 07:45

Lab Sample ID: 885-33641-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8015M/D		1	35512	KLS	EET ALB	09/26/25 16:58
Total/NA	Prep	5030C			35280	KLS	EET ALB	09/23/25 16:22
Total/NA	Analysis	8021B		1	35513	KLS	EET ALB	09/26/25 16:58
Total/NA	Prep	SHAKE			35490	BZR	EET ALB	09/26/25 10:45
Total/NA	Analysis	8015M/D		1	35475	BZR	EET ALB	09/26/25 15:51
Total/NA	Prep	300_Prep			35297	MA	EET ALB	09/24/25 09:19
Total/NA	Analysis	300.0		10	35316	EH	EET ALB	09/24/25 16:28

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Papas Fritas 27 CTB 2

Job ID: 885-33641-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-26

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-33641-1

Login Number: 33641

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

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

ATTACHMENT 5



Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	
Site Location Name:	Papas Fritas 27 CTB 2	API #:	
Inspection Date:	8/19/2025		

Summary of Times

Arrived at Site	8/19/2025 9:42 AM
Departed Site	8/19/2025 1:18 PM

Field Notes

13:09 JSA has been filled out by Vertex Env Tech

13:09 One call: Northwest Corner: 32.273173, -103.965557 Northeast Corner: 32.273220, -103.964467 Southwest Corner: 32.272704, -103.965553 Southeast Corner: 32.272712, -103.964437

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: Southwest



Site view of release from the Northeast side near the tanks

Viewing Direction: Southeast



Site view of the release from the Northwest One Call Corner

Viewing Direction: Southeast



Site view of the release from the Southwest One Call corner

Viewing Direction: East



Image showing one call marking. Marked with white paint and flagging



Daily Site Visit Report

Viewing Direction: Southwest



Descriptive Photo - 8
Viewing Direction: Southwest
East: Site view of the Southeast One Call Corner
Created: 8/19/2025 1:14:45 PM
Lat: 31.77134, Long: -103.94616

Site view of the Southeast One Call Corner

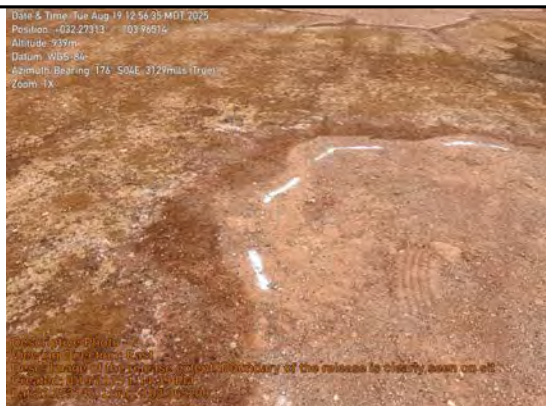
Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: Southeast
East: Site view of the Northeast one call corner
Created: 8/19/2025 1:14:45 PM
Lat: 31.77134, Long: -103.94616

Site view of the Northeast one call corner

Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: Southeast
East: Site view of the release extent. Boundary of the release is clearly seen on site
Created: 8/19/2025 1:14:45 PM
Lat: 31.77134, Long: -103.94616

Image of the release extent. Boundary of the release is clearly seen on site

Viewing Direction: Southeast



Descriptive Photo - 8
Viewing Direction: East
East: Site view of the release from the Northwest corner
Created: 8/19/2025 1:14:45 PM
Lat: 31.77134, Long: -103.94616

Site view of the release from the Northwest corner



Daily Site Visit Report

Viewing Direction: Northeast



Site view of the release from the Southwest corner

Viewing Direction: Northwest



Site view of the release from the East end before entering the tank area

Viewing Direction: Northwest



Site view from the tank area looking inside point is source locations related to the release

Viewing Direction: Southwest



Site view from between the tanks looking towards the west

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sharon Minnix

Signature:

A handwritten signature in black ink, appearing to read 'Sharon Minnix', written over a thin horizontal line. The word 'Signature' is faintly visible below the line.



Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	
Site Location Name:	Papas Fritas 27 CTB 2	API #:	
Inspection Date:	9/12/2025		

Summary of Times

Arrived at Site	9/12/2025 8:45 AM
Departed Site	9/12/2025 1:45 PM

Field Notes

13:02 Completed safety paperwork upon arrival

13:04 811 was remarked

13:05 811 personal were talked to and the area was shrunk

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: East



BH25-01 was taken to 1.5ft

Viewing Direction: South



BH25-02 was taken to 1.5ft

Viewing Direction: North



BH25-03 was taken to 1.5ft

Viewing Direction: East



Souther release area

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Katrina Taylor

Signature:

A handwritten signature in black ink, appearing to be 'K. Taylor', written over a horizontal line. Below the line, the word 'Signature' is printed in a small font.



Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	
Site Location Name:	Papas Fritas 27 CTB 2	API #:	
Inspection Date:	9/16/2025		

Summary of Times

Arrived at Site	9/16/2025 9:12 AM
Departed Site	9/16/2025 3:30 PM

Field Notes

- 9:13** Completed safety paperwork on site
- 9:14** On site to obtain surface samples as one call clears tomorrow
- 14:31** Obtained today:
BH25-04 to 09 all at zero foot depth.
- 16:29** Safety Environmental Services Inc on site digging/scraping area of point of release. Told them to hold off digging on release before sampling was conducted.

Next Steps & Recommendations

- 1 Vertical delineation

Daily Site Visit Report



Site Photos

Viewing Direction: Northwest



BH25-04 West area of release in middle, which will be revisited for vertical delineation

Viewing Direction: Northeast



BH25-05 in middle of release area, immediately west of separators. Point will be revisited for vertical delineation.



Daily Site Visit Report

Viewing Direction: South



BH25-07 north of POR.

Viewing Direction: East



BH25-08 in middle of separators slightly west of POR.

Will be revisited for vertical delineation.

Viewing Direction: North



BH25-06, slightly southwest of 08.

Viewing Direction: South



BH25-09 immediately east of POR.

Release seemed to stop right at the pipe rack and not leech under.



Daily Site Visit Report

Viewing Direction: East



Describe Photo - 7
Viewing Direction: East
Event: Containment left by Safety Environmental Solutions Inc.
Created: 11/16/2025 1:27:42 PM
Lat: 32.572794, Long: -102.005291

Containment left by Safety Environmental Solutions Inc.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Austin Harris

Signature:

A handwritten signature in black ink, appearing to be 'AH' or similar initials, written over a horizontal line.

Signature



Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	
Site Location Name:	Papas Fritas 27 CTB 2	API #:	
Inspection Date:	9/17/2025		

Summary of Times

Arrived at Site	9/17/2025 7:54 AM
Departed Site	9/17/2025 3:30 PM

Field Notes

7:54 Completed safety paperwork on site

7:54 On site to vertical delineate release extent

13:26 Obtained today:

-BH25-04 @ 1, 2 & 3' depth. Refusal @ 3'.

-BH25-05 @ 1, 2 & 3' depth.

Refusal @ 3'.

-BH25-06 @ 2' depth.

-BH25-07 @ 2' depth.

-BH25-08 @ 2, 3 & 4' depth.

Refusal @ 4'.

-BH25-09 @ 2' depth.

13:29 According to Notice of Release and C-141, the chloride concentration of produced water at this facility exceeds 10,000 mg/l. This may explain high concentrations at 3-4' vertical depths.

13:31 Hitting refusal at 3-4' vertical sampled areas due to a cemented caliche, red sand layer.

New 811 in these specific sampling areas will need to be issued due to Safety Environmental Solutions Inc. running over all of the paint and pin flag locates with backhoe.

Next Steps & Recommendations



Daily Site Visit Report

- 1 Submit new 811 for vertical delineation.
- 2 Send samples to lab.

Daily Site Visit Report



Site Photos

Viewing Direction: East



BH25-04 furthest west vertical delineation sample.
Total samples obtained here @ 0, 1, 2, & 3' depths.
Refusal @ 3' depth.

Viewing Direction: East



BH25-05 , middle vertical delineation sample just west of separators.
Total samples obtained here @ 0, 1, 2, and 3' depths.
Refusal @ 3' depth.



Daily Site Visit Report

Viewing Direction: Northeast



BH25-06, South side in center for horizontal delineation purposes.
Total sample obtained here @ 0 & 2' depths.

Viewing Direction: East



BH25-08 in middle of separators slightly west of POR.
Total samples obtained here @ 0, 2, 3, & 4' depths.
Refusal @ 4' depth.



Daily Site Visit Report

Viewing Direction: South



BH25-07 immediately north of separator 331H.
Samples obtained here @ 0, 1 & 2' depths.

Viewing Direction: West



BH25-09 immediately east of POR on opposite side of pipe rack skid.
Total samples obtained here @ 0, 1 and 2' depths.

Viewing Direction: Southeast



New locate area needed around BH25-04

Viewing Direction: Southeast



New locate area needed around BH25-05

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Austin Harris

Signature:

A handwritten signature in black ink, appearing to be 'AH', written over a horizontal line.

Signature

ATTACHMENT 6

Closure Criteria Determination			
Site Name: Papas Fritas 27 CTB 2			
Spill Coordinates: 32.273285,-103.964982		X: 597474	Y: 3571198
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	18	feet
	Distance between release and nearest DTGW reference	6,755	feet
		1.28	miles
	Date of nearest DTGW reference measurement	06/09/2000	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	10,919	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	5,623	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	20,460	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	12,788	feet
	ii) Within 1000 feet of any fresh water well or spring	45,619	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet
7	Within 300 feet of a wetland	5,400	feet
8	Within the area overlying a subsurface mine	No	feet
	Distance between release and nearest registered mine	39,274	feet
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
	Distance between release and nearest unstable area	0	feet
10	Within a 100-year Floodplain	>500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	5,571	feet
11	Soil Type	SM	
12	Ecological Classification	R070BD002NM - Shallow Sandy	
13	Geology	Qe/Qp	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

Site is 6,755ft (1.28 mi) to C-02707 DTGW Reference



9/4/2025, 2:03:06 PM

Water Right Regulations

Artesian Plan Area

OSE District Boundary

New Mexico State Trust Lands

Subsurface Estate

Both Estates

World Imagery

Low Resolution 15m Imagery

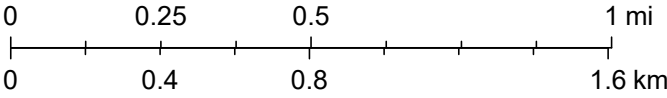
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

4.8m Resolution Metadata

1:23,922




Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

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
	C 02707			NE	28	23S	29E	595535.0	3571868.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	1348	Driller Company:	TAYLOR WATER WELL SERVICE	
Driller Name:				
Drill Start Date:	2000-06-09	Drill Finish Date:	2000-06-09	Plug Date:
Log File Date:	2000-08-28	PCW Rcv Date:		Source: Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield: 700
Casing Size:	2.38	Depth Well:	40	Depth Water: 18

Water Bearing Stratifications:

Top	Bottom	Description
36	78	Limestone/Dolomite/Chalk

Casing Perforations:

Top	Bottom
35	40

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04326 POD16		CUB	ED	NE	SE	SW	23	23S	29E	598209.2	3572664.1	●	1640	64	54	10
C 04326 POD14		CUB	ED	SE	NE	SW	23	23S	29E	598190.6	3572765.6	●	1723	58	54	4
C 01627		C	ED	NW	SE	SE	28	23S	29E	595649.0	3570959.0 *	●	1840	170		
C 02797		CUB	ED		NE	SW	22	23S	29E	596540.0	3572895.0 *	●	1937	200		
C 02707		C	ED			NE	28	23S	29E	595535.0	3571868.0 *	●	2051	40	18	22
C 02721		CUB	ED		NE	SW	21	23S	29E	594915.0	3572879.0 *	●	3061	150		
C 04597 POD2		CUB	ED	NW	NW	SE	24	23S	29E	600122.2	3572959.1	●	3180			
C 04597 POD4		CUB	ED	NW	NW	SE	24	23S	29E	600158.9	3572947.2	●	3204			
C 04597 POD1		CUB	ED	NW	NW	SE	24	23S	29E	600124.4	3573002.9	●	3206			
C 04597 POD5		CUB	ED	NE	NW	SE	24	23S	29E	600198.3	3572931.9	●	3229			
C 04597 POD3		CUB	ED	NW	NW	SE	24	23S	29E	600171.6	3572991.0	●	3239			
C 02716		CUB	ED	SE	SE	SE	16	23S	29E	595818.0	3574002.0 *	●	3256	400		
C 02715		CUB	ED	SE	NW	SW	15	23S	29E	596221.0	3574411.0 *	●	3448	400		
C 04481 POD1		CUB	ED	NW	SW	SE	03	24S	29E	596798.8	3567778.6	●	3485	135		
C 04481 POD3		CUB	ED	NE	SE	SW	03	24S	29E	596798.8	3567778.6	●	3485	120		
C 04481 POD2		CUB	ED	NW	SW	SE	03	24S	29E	596851.5	3567748.3	●	3505	120		
C 04481 POD5		CUB	ED	NE	SE	SW	03	24S	29E	596746.8	3567747.3	●	3526	120		
C 02720		CUB	ED		NE	NW	21	23S	29E	594911.0	3573690.0 *	●	3574	150		
C 04481 POD4		CUB	ED	NE	SE	SW	03	24S	29E	596747.4	3567685.7	●	3586	150		
C 04481 POD8		CUB	ED	NW	SW	SE	03	24S	29E	596852.3	3567655.9	●	3596	125		
C 04481 POD7		CUB	ED	NE	SE	SW	03	14S	29E	596800.0	3567655.4	●	3606	110		
C 02717		CUB	ED	SE	NE	SE	16	23S	29E	595817.0	3574407.0 *	●	3611	400		
C 04481 POD6		CUB	ED	NE	SE	SW	03	24S	29E	596747.7	3567654.9	●	3616	120		
C 03057 EXPLORE		CUB	ED	SE	NW	NW	21	23S	29E	594605.0	3573586.0 *	●	3732	150		
C 01217 S		CUB	ED	SE	NW	SE	16	23S	29E	595413.0	3574403.0 *	●	3810	350		
C 02613		CUB	ED	SE	SE	NE	20	23S	29E	594203.0	3573176.0 *	●	3822	400		
C 02718		CUB	ED	SE	SE	NE	16	23S	29E	595816.0	3574812.0 *	●	3976	400		
C 03587 POD1		CUB	ED	NW	SE	SW	29	23S	29E	593337.5	3570754.8	●	4160	99	44	55
C 02486		C	ED	SW	NE	SW	19	23S	30E	601304.0	3572832.0 *	●	4163	350		
C 02808		CUB	ED		NE	SW	16	23S	29E	594909.0	3574501.0 *	●	4181	100		
C 02809		CUB	ED		NE	SW	16	23S	29E	594909.0	3574501.0 *	●	4181	100		
C 04905 POD1		CUB	ED	NE	NE	SW	31	23S	30E	601621.7	3569779.0	●	4383	101		
C 04903 POD1		CUB	ED	NE	SW	SW	29	23S	29E	593048.1	3571296.6	●	4426	45	26	19
C 02794		CUB	ED		SE	SW	10	23S	29E	596518.0	3575731.0 *	●	4632	100		
C 02795		CUB	ED		SE	SW	10	23S	29E	596518.0	3575731.0 *	●	4632	200		
C 04472 POD1		CUB	ED	NE	NE	SE	13	23S	29E	600639.0	3574619.0	●	4660		37	
C 03058 EXPLORE		CUB	ED	SE	NW	NW	16	23S	29E	594605.0	3575206.0 *	●	4929	150		

Average Depth to Water: **38 feet**

Minimum Depth: **18 feet**

Record Count: 37

UTM Filters (in meters):


Easting: 597474

Northing: 3571198

Radius: 5000

* UTM location was derived from PLSS - see Help

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



[get image](#)
[list](#)

WR File Number:

C 02707

Subbasin:

C

Cross Reference:

Primary Purpose:

Primary Status:

PMT Permit

Total Acres:

Subfile:

Header:

Total Diversion:

0.000

Cause/Case:

Owner:

IMC KALIUM

Owner Class:


Owner

Contact:


SCOTT VAIL

Documents on File

(acre-ft)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
 _get images	466312	72121	2000-05-15	PMT	LOG	C 02707	T		3.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 02707		Shallow			NE	28	23S	29E	595535.0	3571868.0 *		

* UTM location was derived from PLSS - see Help

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

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well IMC Kalium Owner's Well No. _____
Street or Post Office Address Box 71
City and State Carlsbad, NM 88220

Well was drilled under Permit No. C-2707 and is located in the:
a. NE ¼ _____ ¼ _____ ¼ _____ ¼ of Section 28 Township 23S Range 29E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348
Address 7317 Etcheverry Rd., Carlsbad, NM 88220
Drilling Began 6/9/00 Completed 6/9/00 Type tools Rotary Size of hole 6 in.
Elevation of land surface or _____ at well is 11K ft. Total depth of well 40 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 18 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
36	40	4	Limestone:brn,vfn xln,dolo	700

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
2 3/8	Sch 40	Flush	+2	40	42	Cap	35	40

Section 4. RECORD OF MUDDING AND CEMENTING

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

Section 5. PLUGGING RECORD

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

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 08-28-2000 Quad _____ FWL _____ FSL _____
File No. C-2707 Use Monitor Location No. 23S.29E.28.2

Section 7. REMARKS AND ADDITIONAL INFORMATION

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

STATE ENGINEER OFFICE
WELL RECORD

444312

Section 1. GENERAL INFORMATION

(A) Owner of well IMC Kalium Owner's Well No. _____
Street or Post Office Address Box 71
City and State Carlsbad, NM 88220

Well was drilled under Permit No. C-2707 and is located in the:
a. NE $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ of Section 28 Township 23S Range 29E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Taylor Water Well Service License No. WD-1348
Address 7317 Etcheverry Rd., Carlsbad, NM 88220
Drilling Began 5/27/00 Completed 6/2/00 Type tools Rotary Size of hole 6 in.
Elevation of land surface or _____ at well is UK ft. Total depth of well _____ ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
36	78	42	Limestone: brn, off wht, pnk, mic xln, fractured	700

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

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

Section 5. PLUGGING RECORD

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

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 08-28-2000 Quad _____ FWL _____ FSL _____
File No. C-2707 Use Monitor Location No. 23S.29E.28.2

Section 6. LOG OF HOLE

[illegible]

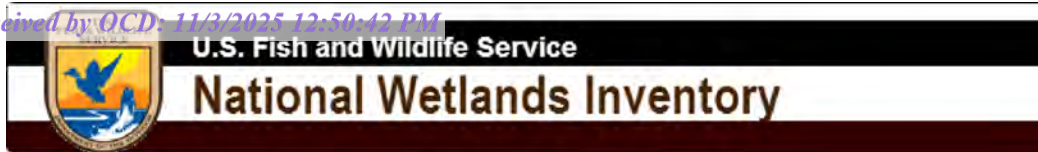
Section 7. REMARKS AND ADDITIONAL INFORMATION

Drilled with mud to 213.5'. Packer tested. Plugged well back with cement grout. Brought grout up too far and plugged water zone. Drilled new hole with air 10' from this hole.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 4(a) and Section 5 need be completed.



2.07 mi away to nearest watercourse



September 4, 2025

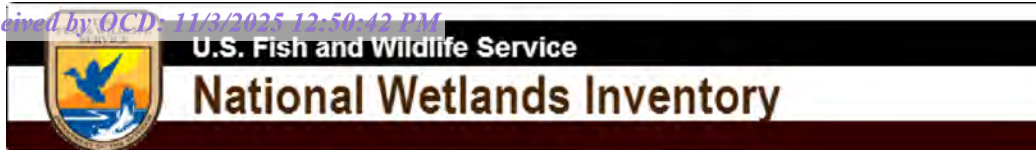
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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.



5,623ft (1.05 mi) to nearest lake



September 4, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond


- Lake
- Other
- Riverine

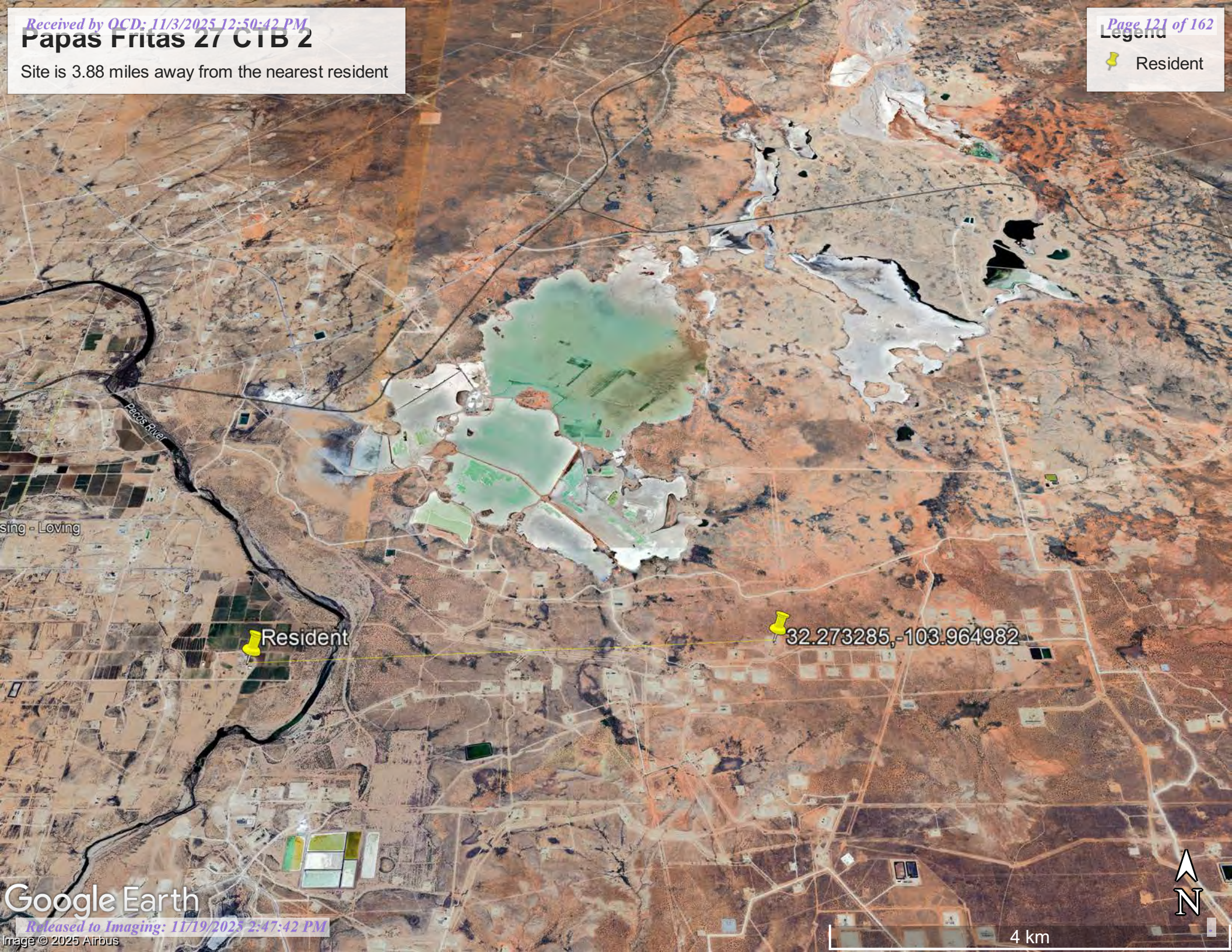
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Papas Fritas 27 CTB 2

Site is 3.88 miles away from the nearest resident

Legend

 Resident

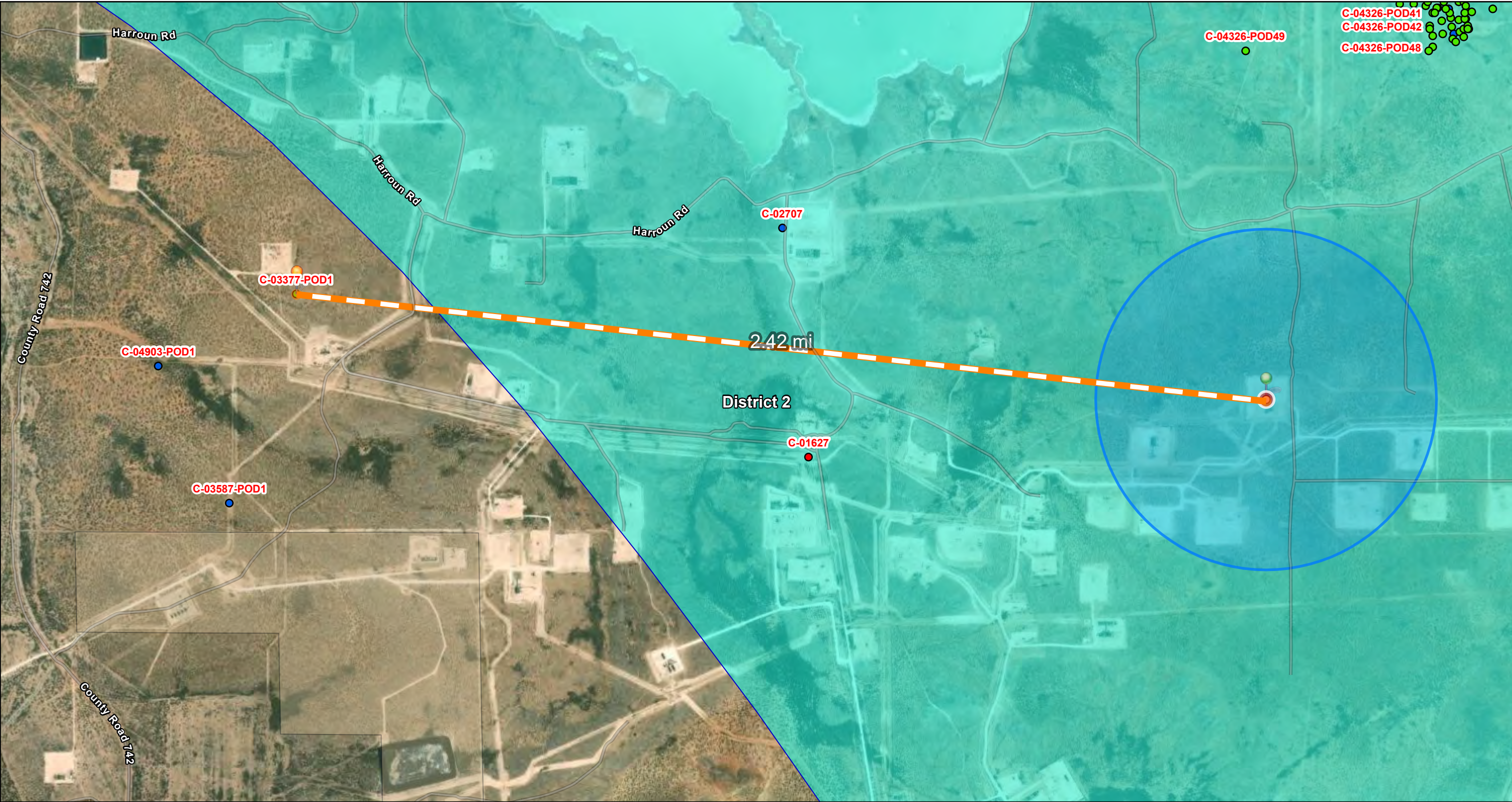


Google Earth



4 km

Site is 12,788 (2.48 mi) to C-03377 STK Well



9/4/2025, 3:33:49 PM

GIS WATERS PODs Water Right Regulations

- Active
- Pending
- Plugged
- Artesian Plan Area
- OSE District Boundary

New Mexico State Trust Lands

- Subsurface Estate
- World Imagery
- Low Resolution 15m Imagery

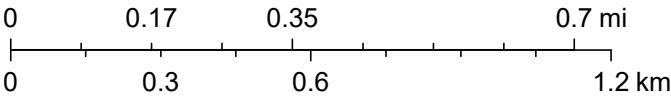
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

4.8m Resolution Metadata

1:17,855

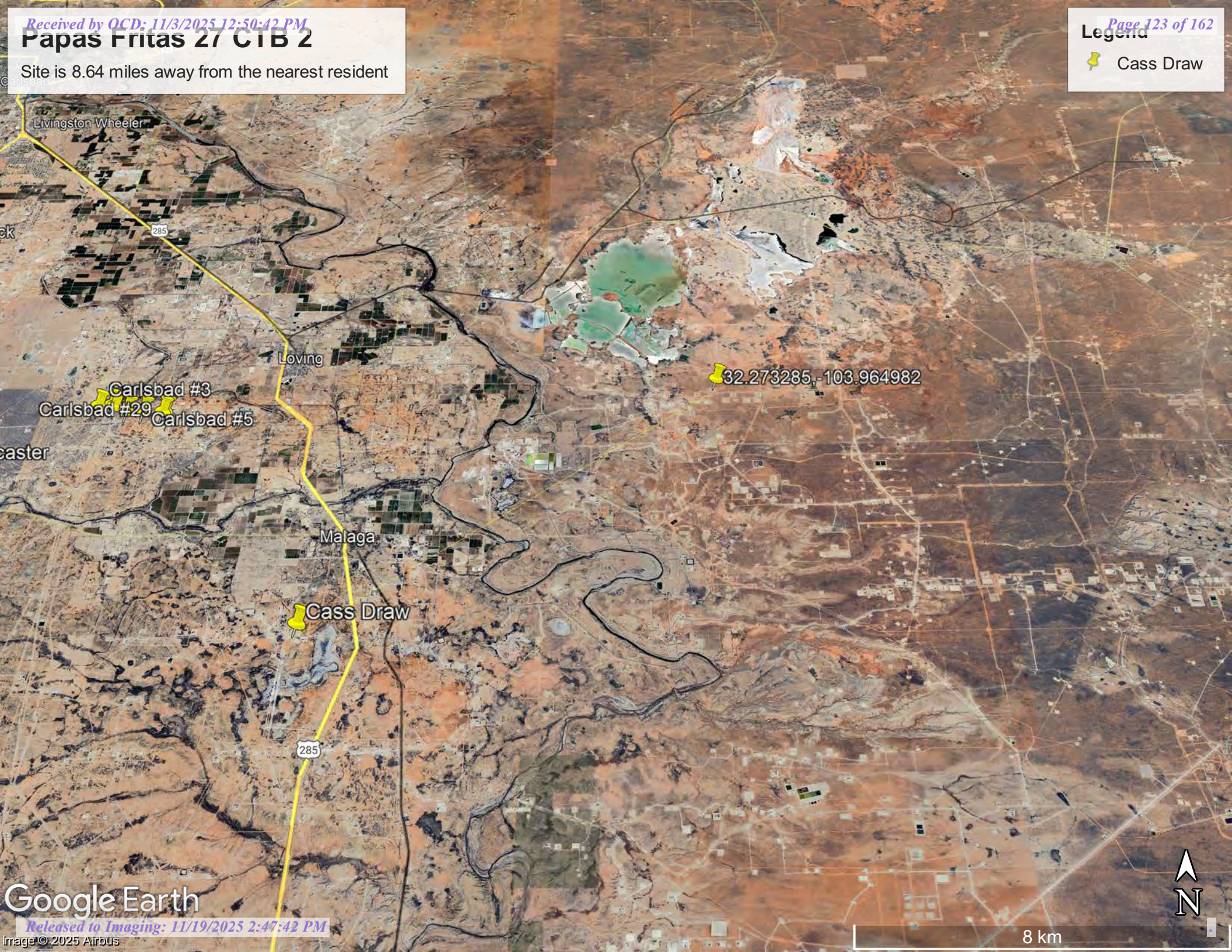


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

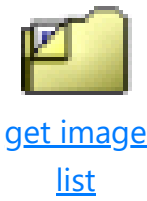
Papas Fritas 27 CTB 2

Site is 8.64 miles away from the nearest resident

Legend
Cass Draw




Water Right Summary




WR File Number:	C 03377	Subbasin:	C	Cross Reference:
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	3.000	Cause/Case:		
Owner:	B F & G FARMS	Owner Class:	Owner	
Contact:	JIM GIBSON			

Documents on File

(acre-ft)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
 _get images	469618	72121	2008-04-16	PMT	APR	C 03377	T		3.000

Current Points of Diversion


POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 03377 POD1			SW	SW	NE	29	23S	29E	593596.0	3571587.0		

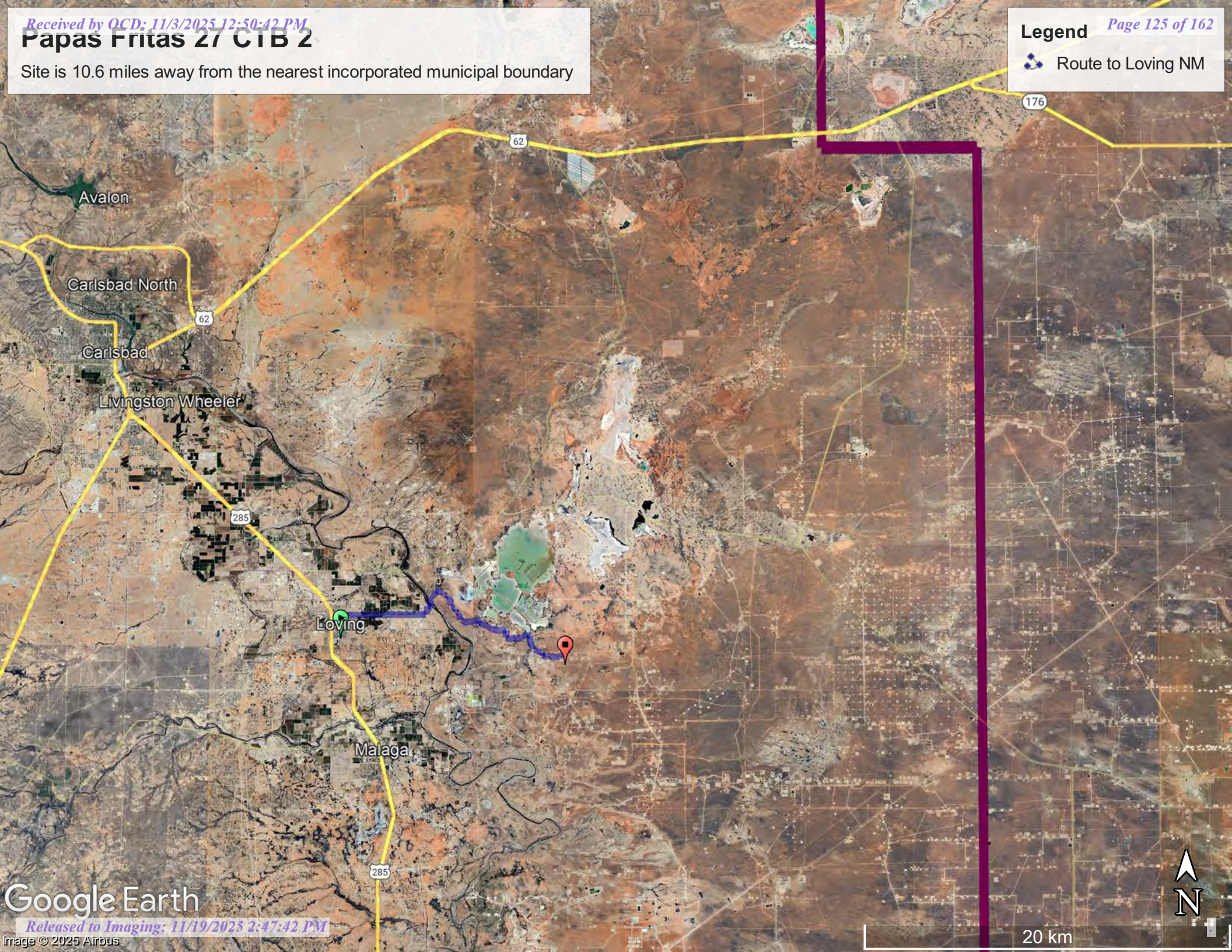
* UTM location was derived from PLSS - see Help

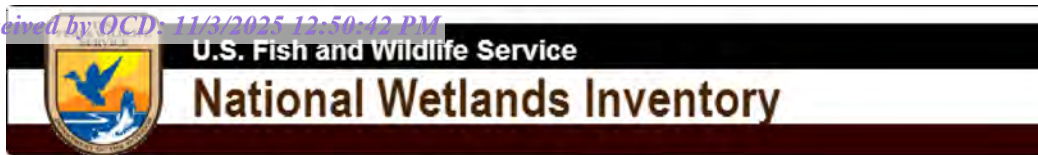
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Papas Fritas 27 CTB 2

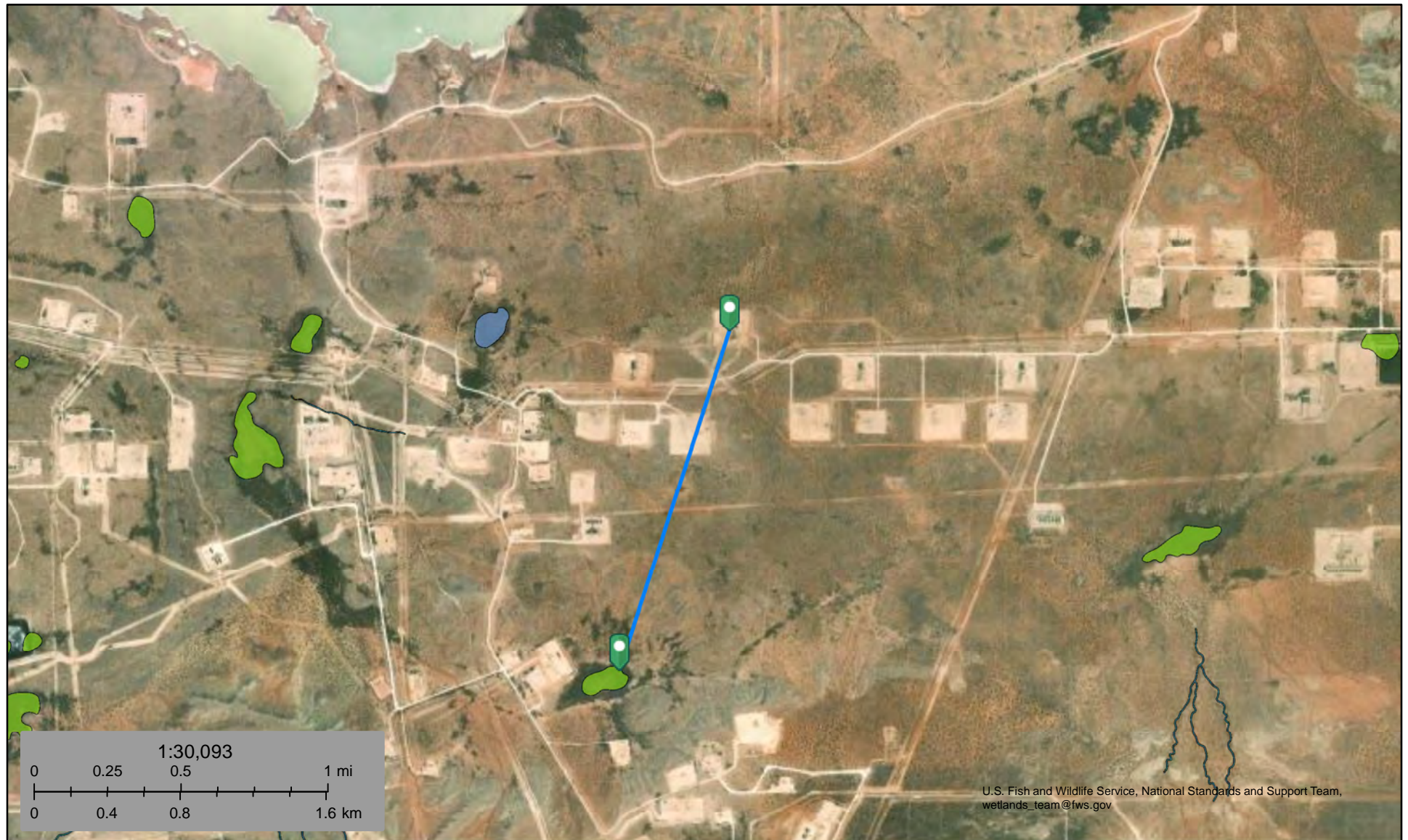
Site is 10.6 miles away from the nearest incorporated municipal boundary

 Route to Loving NM





1.02 mi to nearest wetland



September 4, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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.

Site is 39,274ft from Mine



9/2/2025, 4:04:01 PM

1:144,448

Registered Mines

✕ Aggregate, Stone etc.

▲ Potash

▲ Salt

Land Ownership

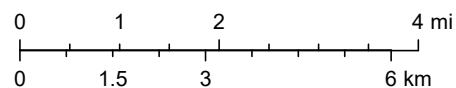
BLM

DOE

P

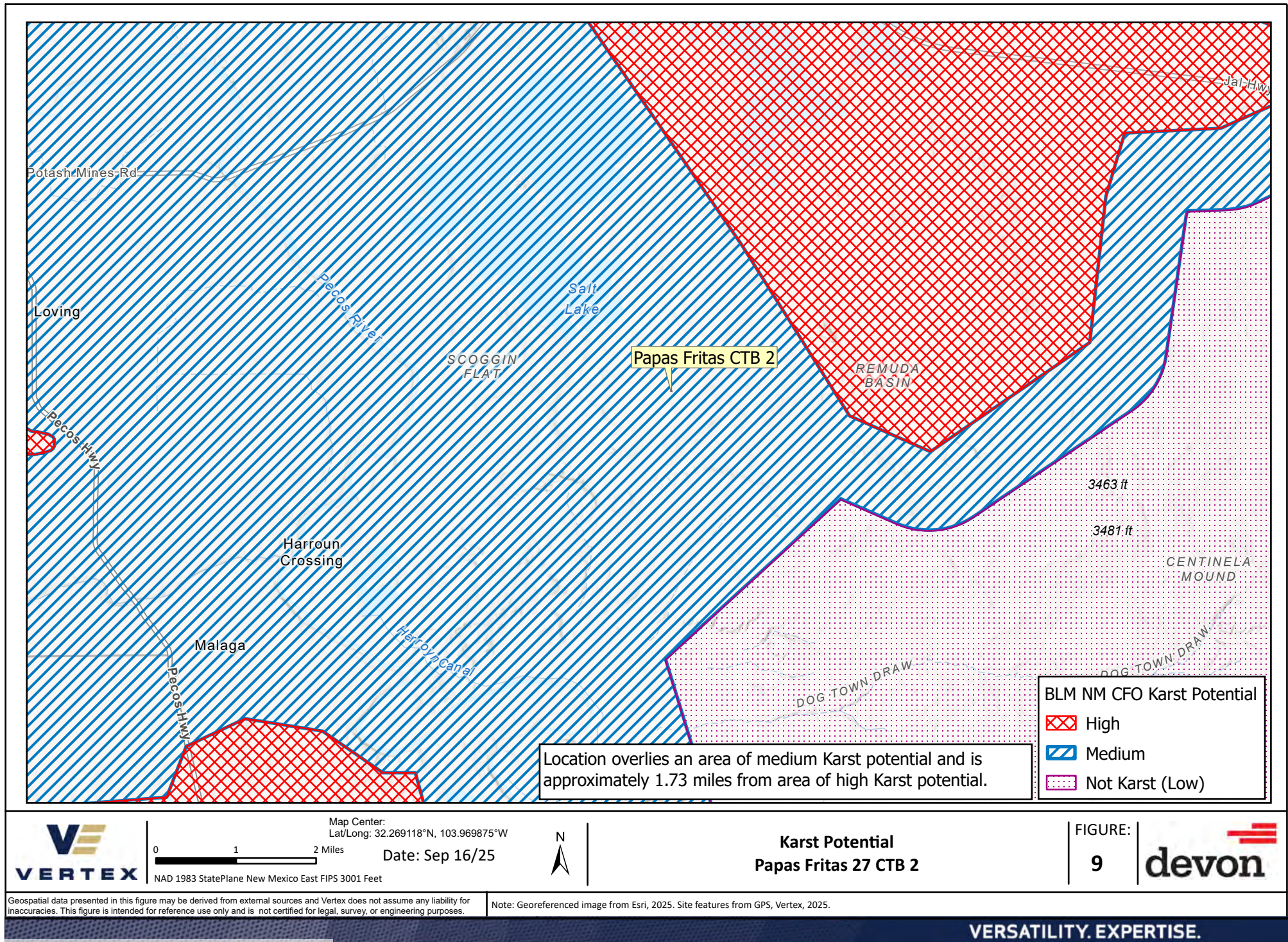
S

PLSS Townships



U.S. BLM, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, BLM

EMNRD MMD GIS Coordinator



Papas Fritas 27 CTB 2

Site is 7.44 miles away from the nearest FEMA Zone A

Legend

- Feature 1
- Papas Fritas 27 CTB 2

32.273285,-103.964982

Salt creek gas plant cypress 33



National Flood Hazard Layer FIRMMette



103°58'13"W 32°16'39"N



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

1:6,000

103°57'35"W 32°16'9"N

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 D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



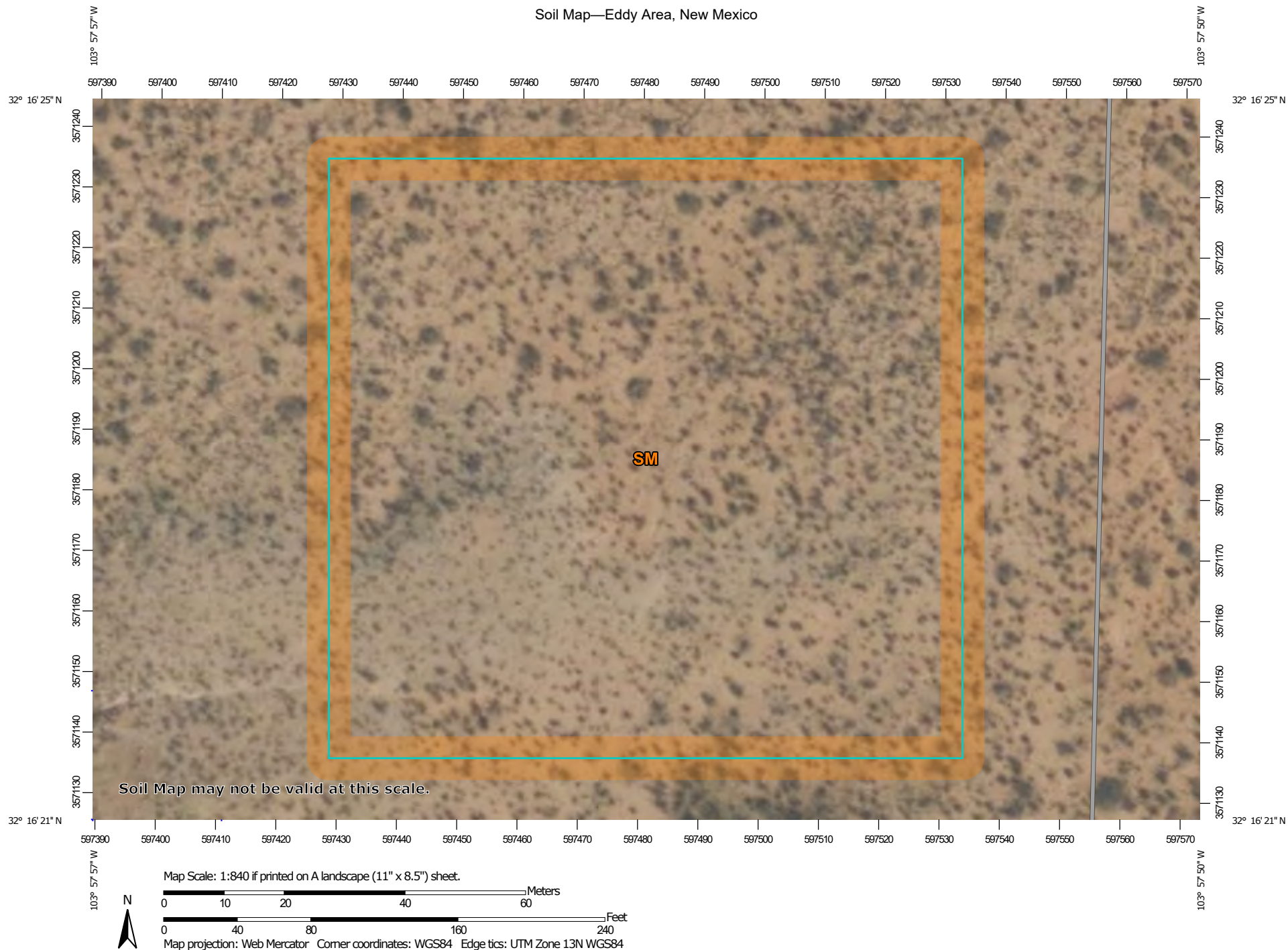
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 9/2/2025 at 9:36 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.

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2025
Page 1 of 3

Soil Map—Eddy Area, New Mexico

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: Eddy Area, New Mexico

Survey Area Data: Version 20, 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
SM	Simona-Bippus complex, 0 to 5 percent slopes	2.6	100.0%
Totals for Area of Interest		2.6	100.0%



Ecological site R070BD002NM

Shallow Sandy

Accessed: 09/02/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	Sandy Sandy sites often occur in association or in a complex with Shallow Sandy Sites.
-------------	--

Similar sites

R070BD004NM	Sandy Sandy ecological sites are similar to Shallow Sandy sites in species composition and Transition pathways.
-------------	---

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on plains, alluvial fans, uplands, or fan piedmonts. The parent material consists of mixed loamy alluvium or eolian material derived from igneous and sedimentary bedrock. The petrocalcic layer is at a depth of 10 to 25 inches and undulating.

Slopes are nearly level to undulating, usually less than 9 percent. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Plain (2) Fan piedmont (3) Alluvial fan
Elevation	2,842–4,500 ft
Slope	1–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is from 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of the site. The vegetation of this site can take advantage of the moisture and the time it falls. Because of the soil profile, little moisture can be stored in the soil for any length of time. Moisture is readily available to the plants from the time it falls. Strong winds from the southwest blow from January through June which rapidly dries out the soil profile during a critical period for plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are very shallow to shallow, less than 20 inches in depth. Surface and subsurface textures are gravelly loamy sand, gravelly fine sandy loam or fine sandy loam.

An indurated calache layer occurs at depths of 6 to 25 inches and is at an average of 15 inches from the surface. Underlying material textures are very gravelly fine sandy loam, very gravelly sandy loam, gravelly fine sandy loam. Gravels are calcium carbonate concretions, calcium carbonate content ranges from 30 to 65 percent.

The indurated caliche layer typically holds water up in the profile for short periods within the root zone of plants. These soils will blow if left unprotected by vegetation.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Simona

Jerag

Table 4. Representative soil features

Surface texture	(1) Fine sandy loam (2) Loamy fine sand (3) Gravelly fine sandy loam
Family particle size	(1) Loamy
Drainage class	Well drained to moderately well drained
Permeability class	Moderately slow to moderate
Soil depth	7–24 in
Surface fragment cover ≤3"	5–25%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	1–2 in
Calcium carbonate equivalent (0-40in)	5–15%
Electrical conductivity (0-40in)	0–4 mmhos/cm

Sodium adsorption ratio (0-40in)	0
Soil reaction (1:1 water) (0-40in)	7.4–8
Subsurface fragment volume <=3" (Depth not specified)	5–25%
Subsurface fragment volume >3" (Depth not specified)	0%

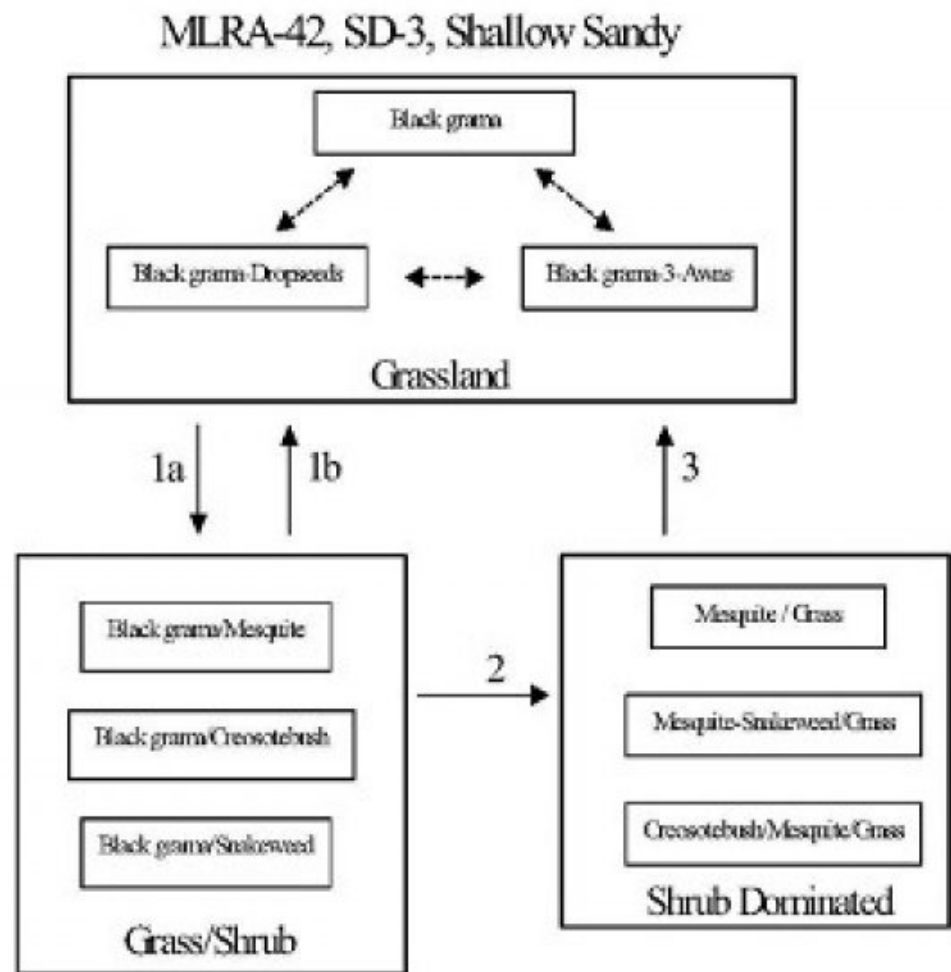
Ecological dynamics

Overview

The Shallow Sandy site occurs on upland plains, and tops of low ridges and mesas, associated with Sandy, Loamy Sand, and Shallow sites. Coarse to moderately coarse soil surface textures, shallow depth (<20 inches) to an indurated caliche layer (petrocalcic horizon), and an overwhelming dominance by black grama help to distinguish this site. The historic plant community of the Shallow Sandy site is a black grama dominated grassland sparsely dotted with shrubs. Shrubs, especially mesquite and creosotebush can increase or colonize due to the dispersal of shrub seeds by livestock or wildlife. This increase in mesquite and colonization of creosotebush may be enhanced by proximity to areas with existing high shrub densities. Fire suppression, and the loss of grass cover due to overgrazing or drought may facilitate the increase and encroachment of shrubs. Persistent loss of grass cover, competition for resources by shrubs, and periods of climate with increased winter precipitation and dry summers, may initiate the transition to a shrub-dominated state.

State and transition model

Plant Communities and Transitional Pathways (diagram)



1a. Seed dispersal, drought, overgrazing, fire suppression.

1b. Prescribed fire, brush control, prescribed grazing.

2. Persistent loss of grass cover, resource competition, increased winter precipitation.

3. Brush control, range seeding, prescribed grazing.

State 1

Historic Climax Plant Community

Community 1.1

Historic Climax Plant Community

Grassland: This site responds well to management and is resistant to state change, due to the shallow depth to petrocalcic horizon and sandy surface textures. The sandy surface textures allow rapid water infiltration and the petrocalcic horizon helps to keep water

perched and available to shallow rooted grasses. Black grama is the dominant species in the historic plant community, averaging 50 to 60 percent of the total production for this site. Bush muhly, blue grama, and dropseeds are present as sub-dominants. Typically, yucca, javalinabush, range ratany, prickly pear, and mesquite are sparsely dotted across the landscape. Leatherweed croton, cutleaf happlopappus, wooly groundsel, and threadleaf groundsel are common forbs. Continuous heavy grazing or extended periods of drought will cause a loss of grass cover characterized by a decrease in black grama, bush muhly, blue and sideoats grama, plains bristlegrass, and Arizona cottontop. Dropseeds and or threeawns may increase and become sub-dominant to black grama. Continued loss of grass cover in conjunction with dispersal of shrub seeds and fire suppression is believed to cause the transition to a state with increased amounts of shrubs (Grass/Shrub state). Diagnosis: Black grama is the dominant grass species. Grass cover uniformly distributed. Shrubs are a minor component averaging only two to five percent canopy cover. Litter cover is high (40-50 percent of area), and litter movement is limited to smaller size class litter and short distances (<. 5m). Other grasses that could appear on this site would include: six-weeks grama, fluffgrass, false-buffalograss, hairy grama, little bluestem, bristle panicum, cane bluestem, Indian ricegrass, tridens spp., and red lovegrass. Other woody plants include: pricklypear, cholla, fourwing saltbush, catclaw mimosa, winterfat, American tarbush and mesquite. Other forbs include: globemallow, verbena, desert holly, senna, plains blackfoot, trailing fleabane, fiddleneck, deerstongue, wooly Indianwheat, and locoweed.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	474	652	830
Forb	78	107	136
Shrub/Vine	48	66	84
Total	600	825	1050

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	30-35%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	40-50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%

Bedrock	0%
Water	0%
Bare ground	15-25%

Figure 5. Plant community growth curve (percent production by month). NM2802, R042XC002NM-Shallow Sandy-HCPC. SD-3 Shallow Sandy - Warm season plant community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2

Grass/Shrub

Community 2.1

Grass/Shrub

Grass/Shrub: This state is characterized by the notable presence of shrubs, especially mesquite, broom snakeweed, and/or creosotebush, however grasses remain as the dominant species. Black grama is the dominant grass species. Threeawns and or dropseeds are sub-dominant. The susceptibility of the Shallow Sandy site to shrub encroachment may be higher when located adjacent to other sites with high densities of mesquite or creosotebush. Retrogression within this site is characterized by decreases in grass cover and increasing densities of shrubs. Diagnosis: Black grama remains as the dominant grass species. Grass cover varies in response to the amount of shrub increase, ranging from uniform to patchy. Shrubs are found at increased densities relative to the grassland state, especially mesquite, creosotebush, or broom snakeweed. Transition to Grass/Shrub (1a) Historically fire may have kept mesquite and other shrubs in check by completely killing some species and disrupting seed production cycles and suppressing the establishment of shrub seedlings in others. Fire suppression combined with seed dispersal by livestock and wildlife is believed to be the factors responsible for the establishment and increase in shrubs.1, 3 Loss of grass cover due to overgrazing, prolonged periods of drought, or their combination, reduces fire fuel loads and increases the susceptibility of the site to shrub establishment. Key indicators of approach to transition: Increase in the relative abundance of dropseeds and threeawns Presence of shrub seedlings Loss of organic matter—evidenced by an increase in physical soil crusts 8 Transition back to Grassland (1b) Brush control is necessary to initiate the transition back to the grassland state. If adequate fuel loads remain, possibly the reintroduction of fire as a management tool will assist in the transition back, however, mixed results have been observed concerning the effects of fire on black grama grasslands.6 Prescribed grazing will help ensure adequate rest following brush control and will assist in the establishment and maintenance of grass cover capable of sustaining fire.

State 3

Shrub Dominated

Community 3.1

Shrub Dominated

Shrub-Dominated: Across the range of soil types included in the Shallow Sandy site, mesquite is typically the dominant shrub, but it does occur as a co-dominant or sub-dominant species with creosotebush or broom snakeweed. Mesquite tends to dominate when the Shallow Sandy site occurs as part of a complex or in association with Sandy or Loamy Sand sites. Creosotebush tends to dominate on Shallow Sandy sites that occur as part of, or adjacent to Shallow Sites. Broom snakeweed increases in response to heavy grazing, but tends to cycle in and out depending on timing of rainfall. However, once the site is dominated by shrubs and snakeweed becomes well established, it tends to remain as a major component in the shrub dominated state. Diagnosis: Mesquite, creosotebush, or snakeweed cover is high, exceeding that of grasses. Grass cover is patchy with large connected bare areas present. Black grama, threeawns, or dropseeds may be the dominant grass. Evidence of accelerated wind erosion in the form of pedestalling of plants, and soil deposition around shrub bases may be common. Transition to Shrub-Dominated (2) Persistent loss of grass cover and the resulting increased competition between shrubs and remaining grasses for dwindling resources (especially soil moisture) may drive this transition.⁵ Additionally periods of increased winter precipitation may facilitate periodic episodes of shrub expansion and establishment. 4 Key indicators of approach to transition: Increase in size and frequency of bare patches. Loss of grass cover in shrub interspaces. Increased signs of erosion, evidenced by pedestalling of plants, and soil and litter deposition on leeward side of plants. 7 Transition back to Grassland (3) Brush control is necessary to reduce competition from shrubs and reestablish grasses. Range seeding may be necessary if insufficient grasses remain, The benefits, and costs, will vary depending upon the degree of site degradation, and adequate precipitation following seeding.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	Warm Season			413–495	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	413–495	–
2	Warm Season			41–83	
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	41–83	–
3	Warm Season			41–83	

	blue grama	BOGR2	<i>Bouteloua gracilis</i>	41–83	–
4	Warm Season			25–41	
	sideoats grama	BOCU	<i>Bouteloua curtipendula</i>	25–41	–
5	Warm Season			41–83	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	41–83	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	41–83	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	41–83	–
6	Warm Season			17–41	
	threeawn	ARIST	<i>Aristida</i>	17–41	–
7	Warm Season			41–83	
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	41–83	–
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	41–83	–
8	Warm Season			41–83	
	mat sandbur	CELO3	<i>Cenchrus longispinus</i>	41–83	–
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	41–83	–
9	Other Perennial Grasses			25–41	
	Grass, perennial	2GP	<i>Grass, perennial</i>	25–41	–
Shrub/Vine					
10	Shrub			8–25	
	javelina bush	COER5	<i>Condalia ericoides</i>	8–25	–
11	Shrub			8–25	
	yucca	YUCCA	<i>Yucca</i>	8–25	–
12	Shrub			8–25	
	jointfir	EPHED	<i>Ephedra</i>	8–25	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	8–25	–
13	Shrub			8–25	
	featherplume	DAFO	<i>Dalea formosa</i>	8–25	–
14	Shrub			8–25	
	broom snakeweed	GUSA2	<i>Gutierrezia sarothrae</i>	8–25	–
15	Other Shrubs			25–41	
	Shrub (>.5m)	2SHRUB	<i>Shrub (>.5m)</i>	25–41	–
Forb					
16	Forb			17–41	
	leatherweed	CRPOP	<i>Croton pottsii</i> var. <i>pottsii</i>	17–41	–

	Goodding's tansyaster	MAPIG2	<i>Machaeranthera pinnatifida</i> <i>ssp. gooddingii</i> var. <i>gooddingii</i>	17–41	–
17	Forb			17–41	
	woolly groundsel	PACA15	<i>Packera cana</i>	17–41	–
	threadleaf ragwort	SEFLF	<i>Senecio flaccidus</i> var. <i>flaccidus</i>	17–41	–
18	Forb			8–25	
	whitest evening primrose	OEAL	<i>Oenothera albicaulis</i>	8–25	–
19	Other Forbs			8–25	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	8–25	–

Animal community

This site provides habitats which support a resident animal community that is characterized by pronghorn antelope, swift fox, black-tailed jackrabbit, spotted ground squirrel, Ord's kangaroo rat, northern grasshopper mouse, coyote, horned lark, meadowlark, lark bunting, scaled quail, morning dove, side-blotched lizard, round-tailed horned lizard, marbled whiptail, prairie rattlesnake and ornate box turtle.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Jarag D

Simona D

Recreational uses

This site offers recreation for hiking, horseback riding, nature observation and photography, and quail and dove hunting. During years of abundant spring moisture, this site displays a riot of color from wildflowers during May and June. A few summer and fall flowers also occur.

Wood products

The natural potential plant community of this site affords little or no wood products. Where the site has been invaded by mesquite or cholla cactus the roots and stems of these plants provide attractive material for a variety of curiosities, such as lamps and small furniture.

Other products

This site is suitable for grazing by all kinds and classes of livestock during all seasons of the year. Because of the sandy textures and shallow profile, this site will respond rapidly to management. As this site deteriorates, plants such as black grama, bush muhly, blue and sideoats grama, plains bristlegrass and Arizona cottontop, will decrease and be replaced by plants such as threeawns, mesquite, creosote bush, and broom snakeweed. This also causes a decrease in ground cover, leaving the soil to blow. This site responds best to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.5 – 3.5

75 – 51 3.2 – 4.6

50 – 26 4.5 – 7.5

25 – 0 7.6 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature References:

1. Brooks, M.L. and D.A. Pyke. 2001. Invasive plants and fire in the deserts of North America. Pages 1–14 in K.E.M. Galley and T.P. Wilson (eds.). Proceedings of the Invasive Species Workshop: the Role of Fire in the Control and Spread of Invasive Species.
2. Hennessy, J.T., R.P. Gibbens, J.M. Tromble, and M. Cardenas. 1983. Water properties of caliche. J. Range Manage. 36: 723-726.
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Kozlowski, T. T.; Ahlgren, C. E., eds. Fire and ecosystems. New York: Academic Press: 365-400.

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Contributors

David Trujillo
Don Sylvester

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	

Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. Number and extent of rills:

2. Presence of water flow patterns:

3. Number and height of erosional pedestals or terracettes:

4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):

5. Number of gullies and erosion associated with gullies:

6. Extent of wind scoured, blowouts and/or depositional areas:

7. Amount of litter movement (describe size and distance expected to travel):

8. Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):

9. Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):

10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**
-

11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**
-

12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**

Dominant:

Sub-dominant:

Other:

Additional:

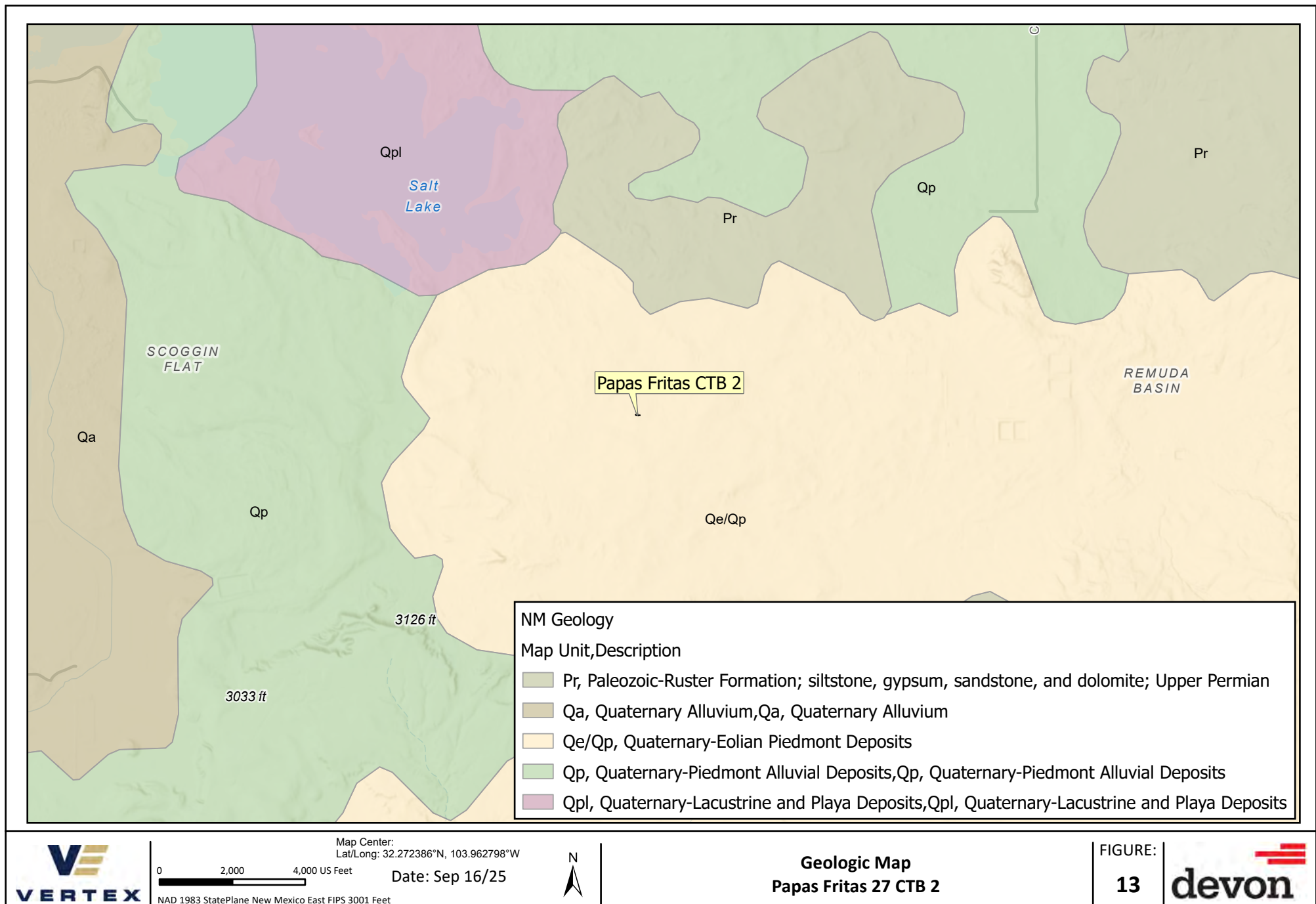
13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**
-

14. **Average percent litter cover (%) and depth (in):**
-

15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**
-

16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**

17. **Perennial plant reproductive capability:**



IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Eddy County, New Mexico



Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📅 (505) 346-2542

2105 Osuna Road Ne

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
 2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN
Piping Plover <i>Charadrius melodus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6039	Threatened

Clams

NAME	STATUS
Texas Hornshell <i>Popenaias popeii</i> Wherever found There is proposed critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/919	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found There is proposed critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases [birds of concern](#), including [Birds of Conservation Concern \(BCC\)](#), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the [Nationwide avoidance and minimization measures for birds](#) document, and any other project-specific avoidance and minimization measures suggested at the link [Measures for avoiding and minimizing impacts to birds](#) for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles document](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME

BREEDING SEASON

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

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 521811

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2522525572
Incident Name	NAPP2522525572 PAPAS FRITAS 27 CTB 2 @ FAPP2123649109
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2123649109] PAPAS FRITAS 27 CTB 2

Location of Release Source

Please answer all the questions in this group.

Site Name	PAPAS FRITAS 27 CTB 2
Date Release Discovered	08/12/2025
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: Corrosion Dump Line Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 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)	Pinhole leak on water line of separator allowed release to pad surface.

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QUESTIONS, Page 2

Action 521811

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 11/03/2025
--	---

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QUESTIONS, Page 3

Action 521811

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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)	Less than or equal 25 (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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 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	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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)	7400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	11/20/2025
On what date will (or did) the final sampling or liner inspection occur	12/10/2025
On what date will (or was) the remediation complete(d)	01/26/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3487
What is the estimated volume (in cubic yards) that will be remediated	350
<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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QUESTIONS, Page 4

Action 521811

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 11/03/2025
<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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QUESTIONS, Page 5

Action 521811

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 521811

QUESTIONS (continued)

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	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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

CONDITIONS

Action 521811

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 521811
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. Please fully vertically delineate BH25-4, BH25-5 and BH25-8. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. The work will need to occur in 90 days after the work plan has been reviewed	11/19/2025