September 17, 2025

EMNRD – Oil Conservation Division
506 W. Texas
Artesia, New Mexico 88210

SUBJECT: Remediation Work Plan for Aleutian 10 CTB 3

Incident ID: nAPP2514057783
Facility ID (Name): fAPP2129451356 (Aleutian 10 CTB 3)
Facility Location: Unit O of Section 10, Township 23 South, Range 31 East, New Mexico
Facility GPS Coordinates: 32.314188, -103.764971
Eddy County, New Mexico

Objective

KLJ Engineering (KLJ) has prepared this remediation work plan on behalf of Devon Energy Production Company (Devon) to address the release that occurred on May 20, 2025, at the Aleutian 10 CTB 3 (Site). This plan outlines the initial characterization and delineation activities, and proposed remediation activities including excavation, sampling, and backfill activities necessary to meet closure requirements under 19.15.29 NMAC.

Site Information and Background

The Site is located approximately 18.97 miles east of Loving, New Mexico, on Bureau of Land Management (BLM) property. The Site lies within Unit O, Section 10, Township 23 South, Range 31 East, in Eddy County. In accordance with 19.15.29.11 and 19.15.29.12 NMAC, KLJ performed an initial site assessment and characterization to determine the extent of the release and to evaluate any resulting environmental impacts to soil and potential receptors.

Incident Description

On May 20, 2025, a Devon lease operator discovered that the 6-inch water line had developed a pinhole leak near the separators and flowlines, resulting in the release of approximately 8 barrels (bbls) of produced water. Initial response actions were conducted by the operator and included source elimination, photographic documentation of the affected area, volume estimation, and an attempt to recover released fluids. An aerial image and site schematic illustrating the release area is provided in **Appendix A**.

Devon submitted the initial Notice of Release (NOR) to the New Mexico Energy, Minerals, and Natural Resources Department – Oil Conservation Division (NMOCD) on May 20, 2025, via the Operator's Electronic Permitting and Payment Portal. The initial Form C-141 was subsequently submitted on May 31, 2025.

Closure Criteria Determination

The Site is located within Quaternary alluvium dating from the Holocene to upper Pleistocene. Terrain for the Site and immediate surrounding area includes uplands, plains, dunes, and piedmonts at elevations of 2,800 – 5,000 feet. Parent material consists of mixed alluvium and/or eolian sands, with 5–15 inches of

average annual precipitation. Soil within the Site tends to be well-drained, with low runoff potential and moderate water-holding capacity.

The USDA – Web Soil Survey (WSS) identifies the predominant soil type at the Site as Berino fine sands that are moderately deep or very deep, with surface textures ranging from loamy fine sand, fine sandy loam, loamy very fine sand, to gravelly sandy loam. Subsurface layers include loamy fine sand, course sandy loam, fine sandy loam, or loam that averages <18% clay and <15% carbonates. Substratum includes a fine sandy loam, or gravelly fine sandy loam with <15% gravel and with <40% calcium carbonate, while some layers high in lime or caliche fragments may occur at depths of 20–30 inches. The soils are prone to wind erosion if left bare.

Vegetation reflects a grassland community dominated by black grama, dropseeds, and bluestems, with scattered shinnery oak and sand sage. Transitions to shrub-dominated states (e.g., mesquite or snakeweed) may occur with decreased grass cover and include grasses/honey mesquite, grasses/broom snakeweed, or grasses/sand sage. Heavy grazing and/or drought are influential drivers in decreasing grassland-dominated plant communities within proximity of the Site.

No surface water features were identified within 300 feet of the Site. The nearest significant watercourse is 0.92 miles north; the closest playa lake is 1.23 miles northwest, and the nearest wetland is 1.33 miles northwest (USFWS NWI, 2025). These distances comply with the requirements of 19.15.29.12(C)(4) NMAC.

Per the New Mexico Office of the State Engineer (NMOSE) Points of Diversion (POD) Map, the nearest POD is C-04724-POD1, located 0.36 miles southwest. The POD is identified as a temporary borehole used to determine depth to groundwater. Well records indicate that the temporary borehole was drilled to a depth of 55 ft below ground surface (bgs), and no groundwater was encountered. The nearest freshwater well used for stock water, POD C-03351, is located 1.45 miles northwest of the Site.

The Site is not within a karst potential zone, with the nearest area of medium karst potential located 2.67 miles to the northwest. The Site is in a FEMA flood hazard area identified as FEMA Zone X (undetermined hazard); the nearest identified FEMA flood hazard area, classified as Zone D, is 2.46 miles to the east.

Additional information detailing the results of the Site characterization findings can be found in **Appendix B**.

Table 1 summarizes key site and incident details relevant to the closure evaluation, as required under 19.15.29.12 NMAC. Included are factors such as the release source, location, containment conditions, and site-specific characteristics that may influence applicable closure requirements. Based on available data, the site falls within the applicable threshold for depth to groundwater (DTGW) between 51 and 100 feet bgs. Supporting documentation is provided in **Appendix B**.

Table 1: Release Information and Closure Criteria Limits			
Depth to Ground Water Determination: 51-100 feet bgs			
Site Name	Aleutian 10 CTB 3	Company	Devon Energy Production Company, LP
Facility ID/API Number	fAPP2129451356	PLSS/GPS	O-10-23S-31E 32.314188, -103.764971
Lease ID	NMNM142144 NMNM138337	Land Status	Federal
Incident ID	nAPP2514057783	Date Of Release	5/20/2025
Source of Release	Pinhole leak on 6" waterline	Volume Released/Recovered	8 bbls/8 bbls pw
Specific Features	Low Karst Potential, DTGW pod temporary borehole within 0.5-mile radius, no surface water within proximity, and FEMA Zone X		

Initial Delineation Activities

KLJ visited the site on May 27, 2025, to collect photographs of the spill and to document visible impacts. The extent to visible spill impacts and discoloration was recorded through site photographs and flagging. Photographs and field notes documenting the site conditions during the May 27, 2025, site visit are provided in **Appendix D**.

Following the visit, KLJ submitted a New Mexico 811 One-Call notification in preparation of sample collection activities. Proposed work areas were marked in the field with white paint and flagging in accordance with ground disturbance requirements. GPS coordinates of the marked locations were collected for documentation and site reference. All One-Call procedures were followed to ensure proper identification and avoidance of underground utilities during site activities.

On June 18, 2025, KLJ returned to the site to conduct Initial characterization of the impacted area. Based on the initial observations of the impacted area, the dimensions of the spill were estimated to be approximately 27.5 feet long by 42.5 feet wide, and the total area was estimated to be approximately 613 square feet. An aerial photograph and site schematic of the spill investigation and sampling area is included in **Appendix A**. A total of 23 impact delineation samples were collected at one-foot depth intervals bgs, or to the refusal layer if encountered. Sample locations were distributed spatially across the release area based off visual surface staining. All samples were field screened for chloride concentrations by using a soil electroconductivity meter. A summary of field screening values for each sample are included in Table 2 (**Appendix C**). Field notes and a photolog for the sampling event are included in **Appendix D**.

Collected samples were submitted to Eurofins Environmental Testing for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and chloride (Cl^-) concentrations. Results of laboratory analysis are summarized in Table 2 (**Appendix C**). The laboratory issued analysis results report is included in **Appendix E**.

On August 18, 2025, KLJ, on behalf of Devon Energy, requested a 30-day extension from NMOCD to complete a remediation work plan. The request was approved, granting an additional 30 days and extending the submission deadline to September 17, 2025. See **Appendix F** for the request email.

Proposed Remediation Activities

Any analytical results exceeding closure criteria established under 19.15.29 NMAC will be stepped out in the appropriate direction, followed by confirmation sampling collected during subsequent excavation activities to verify complete removal of impacted soil.

Proposed excavation activities will include the removal of impacted soils using mechanical equipment in accessible, open areas, and hand tools in tighter, less accessible spaces. A buffer zone of no less than 24 inches will be maintained around production equipment; within this zone, excavation will be performed manually to avoid damage to equipment, underground utilities, or electrical infrastructure. The site currently meets deferral thresholds of 51 to 100 ft bgs DTGW; however, KLJ believes that additional excavation of soils to 1 ft bgs would meet NMOCD's standards for a spill closure request with chloride less than 600 mg/kg. Impacted soils exceeding the closure criteria for 0 to 50 ft bgs DTGW range, as outlined in Table 1 – Closure Criteria for Soils Impacted by a Release (19.15.29.12 NMAC), will be removed.

Prior to the collection of confirmation samples, notification will be provided in accordance with regulatory requirements. Sampling will be performed in accordance with 19.15.29.11 NMAC, with five-point composite samples analyzed for Chloride (EPA 300.0), BTEX (EPA 8021B), and TPH (EPA 8015D). Each composite will represent no more than 200 square feet of excavated area, consistent with 19.15.29 NMAC. Analytical results from confirmation sampling will be used to verify that remediation activities meet closure criteria.

A final remediation report will be prepared and submitted to the NMOCD and BLM within the applicable regulatory timeframe upon completion of all remediation activities. The report will include a summary of excavation efforts, confirmatory sampling results, and supporting documentation demonstrating compliance with 19.15.29 NMAC closure requirements.

KLJ Engineering, on behalf of Devon Energy Production Company, respectfully requests approval to conduct the proposed remediation activities at the Aleutian 10 CTB 3 site (Incident ID nAPP2514057783).

Submitted and prepared by:
KLJ Engineering

Written By
Name: Monica Peppin
Title: Environmental Specialist II

Signature: _____

Reviewed By
Name: Will Harmon, P.G.
Title: Environmental Project Manager

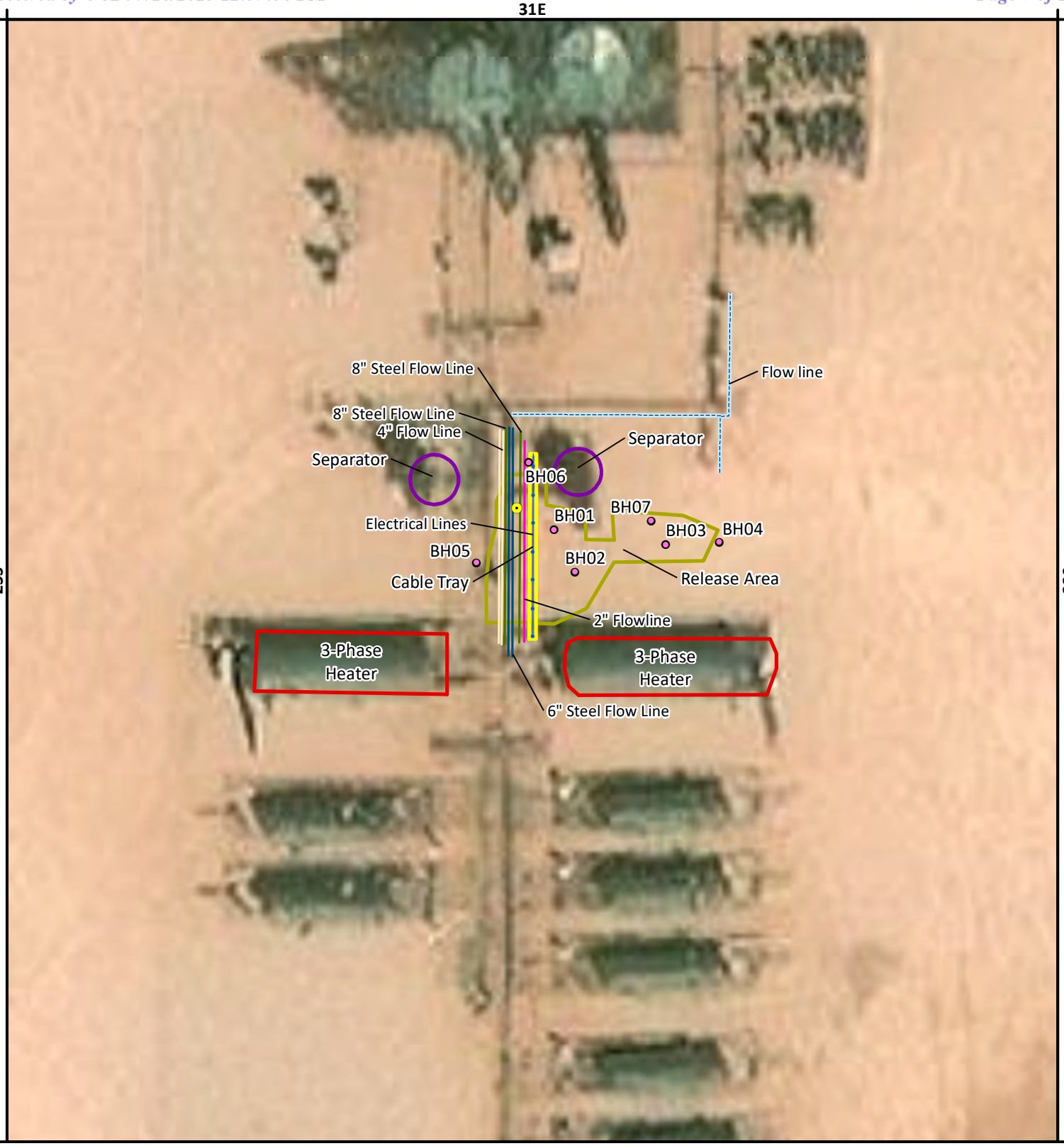
Signature: _____

Included Appendices

Appendix A – FIGURE 1. AERIAL VIEW AND SITE SCHEMATIC
Appendix B – CLOSURE CRITERIA RESEARCH
Appendix C – TABLE 2. SAMPLE FIELD SCREEN AND LABORATORY ANALYSIS RESULTS
Appendix D – INITIAL CHARACTERIZATION FIELD NOTES & PHOTOLOG REPORT
Appendix E – LABORATORY ANALYSIS REPORT
Appendix F – CORRESPONDENCE

APPENDIX A

FIGURE 1. AERIAL VIEW AND SITE SCHEMATIC



Point of Release
Borehole
2" Flowline
4" Flow Line
6" Steel Flow Line
8" Steel Flow Line
Electrical Lines
Flow line

Equipment
3-Phase Heater
Separator
Release area (613.3 Sq Ft)
Cable Tray

Release Area:
Width: 42.5 Feet
Length: 27.5 Feet
613.3 Square Feet

KLJ
Date Created: 8/29/2025

0 5 10 20 Feet
1:300
Map Center
Lat/Long: 32.314161, -103.764944

N

Aleutian 10 CTB 3 Site
Devon Energy Production Company
Eddy County, New Mexico

Figure: 1

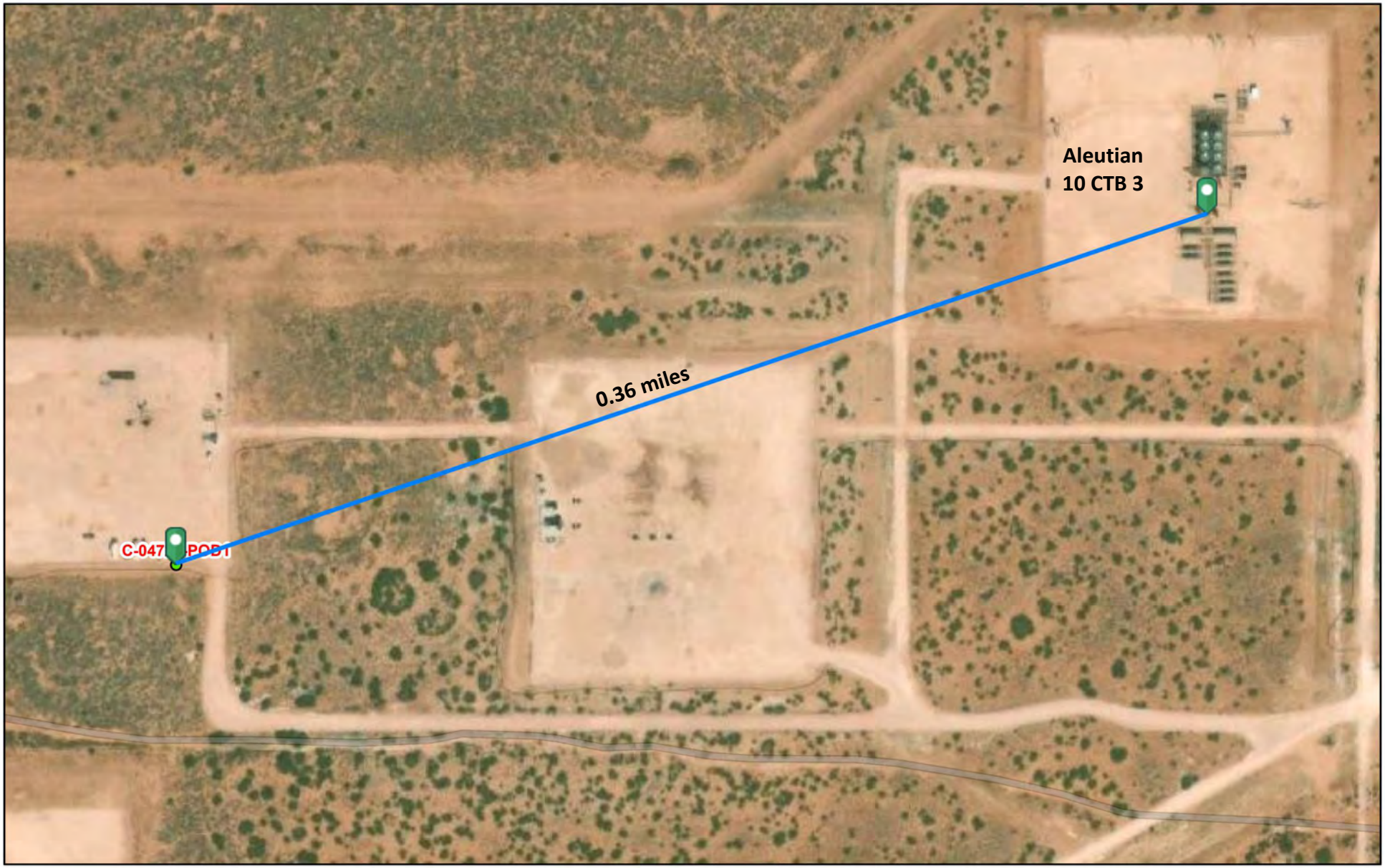
devon

Document Location: K:\Projects\OilGas\DevonEnergy\2507-10049_Aleutian10_CTB3_Liner\GIS\Environmental\2507_10049_Aleutian10_CTB3_Liner_20250829.mxd
Imagery Source: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

APPENDIX B

CLOSURE CRITERIA RESEARCH

Aleutian 10 CTB 3



8/29/2025, 9:40:48 AM

Override 1

OSE District Boundary

GIS WATERS PODs

Pending

Nearest Pod
C-04724-POD1

Distance
0.36 miles

Pod Type
Temp BH for DTGW

Depth
55 ft bgs

1:3,433

0 0.03 0.05 0.1 mi

0 0.04 0.07 0.15 km

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

Monica Peppin

This is an unofficial map from the OSE's online application.

File No. C-4724

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐ Construction Site/Public Works Dewatering	☒ Other(Describe): Groundwater Determination
☐ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Temporary Request - Requested Start Date:	Requested End Date:
Plugging Plan of Operations Submitted? ☒ Yes ☐ No	

OSE DIT MAR 27 2023 PM 1:20

1. APPLICANT(S)

Name: Devon Energy	Name:
Contact or Agent: check here if Agent ☐ Dale Woodall	Contact or Agent: check here if Agent ☐
Mailing Address: 6488 7 Rivers Hwy	Mailing Address:
City: Artesia	City:
State: NM Zip Code: 88210	State: Zip Code:
Phone: 575-748-1838 ☐ Home ☒ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): Dale.Woodall@dvn.com	E-mail (optional):

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 07/12/22

File No.: C-4724	Trn. No.: 745162	Receipt No.: 245601
Trans Description (optional): MDW		
Sub-Basin: CUB	PCW/LOG Due Date: 3-29-2024	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
☐ NM West Zone
☐ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

■ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (*Quarters or Halves , Section, Township, Range*) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-4724 POD1(TW-1)	103° 46' 15"	32° 18' 45"	SE SW SW Sec.10 T23S R31S NMPM
			OSE DII MAR 27 2023 PM1:20

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ■ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:

8-Aleutian 10 3 Fed Com 211

Well is on land owned by: Bureau of Land Management

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ■ No
If yes, how many_____

Approximate depth of well (feet): 55	Outside diameter of well casing (inches): 6.5" boring
Driller Name: Jackie D. Atkins	Driller License Number: 1249

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

A Soil Boring to determine depth up to 55 feet. Temporary PVC well material will be placed to total depth and secured at surface. Temporary well will be in place for minimum of 72 hours. If ground water is encountered the boring will be plugged immediately using augers as tremie to land a slurry of Portland TYPE I/II Neat cement less than 6.0 gallons of water per 94 lb. sack. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite.

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/12/22

File No.: C-4724	Trn No.: 745162

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory:	**Pollution Control and/or Recovery:**	**Construction De-Watering:**	**Mine De-Watering:**
Is proposed well a future public water supply well? ☐ Yes ☒ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☐ Include a description of the requested pump test if applicable.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring ☐ The reason and duration of the monitoring is required.		**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Dale Woodall (Devon Energy)
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

OSE DII MAR 27 2023 PM 1:20

Dale Woodall
Dale Woodall (Oct 7, 2022 10:27 MDT)
Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 29th day of March 20 23, for the State Engineer,

Mike A. Hamman P.E., State Engineer

By: K. Parekh Kashyap Parekh
Signature Print

Title: Water Resources Manager I
Print

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/12/22

File No.: C-4724	Trn No.: 745162

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.

17-1A Depth of the well shall not exceed the thickness of the valley fill.

17-4 No water shall be appropriated and beneficially used under this permit.

17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04724 POD1

File Number: C 04724
Trn Number: 745162

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.

17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.

17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

17-Q The State Engineer retains jurisdiction over this permit.

17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04724 POD1

File Number: C 04724
Trn Number: 745162

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04724 POD1 must be completed and the Well Log filed on or before 03/28/2024.

IT IS THE PERMITEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 03/27/2023 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 29 day of Mar A.D., 2023

Mike A. Hamman, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04724 POD1 File Number: C 04724
Trn Number: 745162

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220-6292

In Reply Refer To:
3162.4 (NM-080)
NMNM-77046

March 21, 2023

NM Office of the State Engineer
1900 W. Second St.
Roswell, NM 88201

Re: Aleutian 10-3 Fed Com 211
Section 10, T23S-R31E
30-015-46964
Eddy County, New Mexico

OSE OIL MAR 27 2023 PM1:21

To Whom It May Concern:

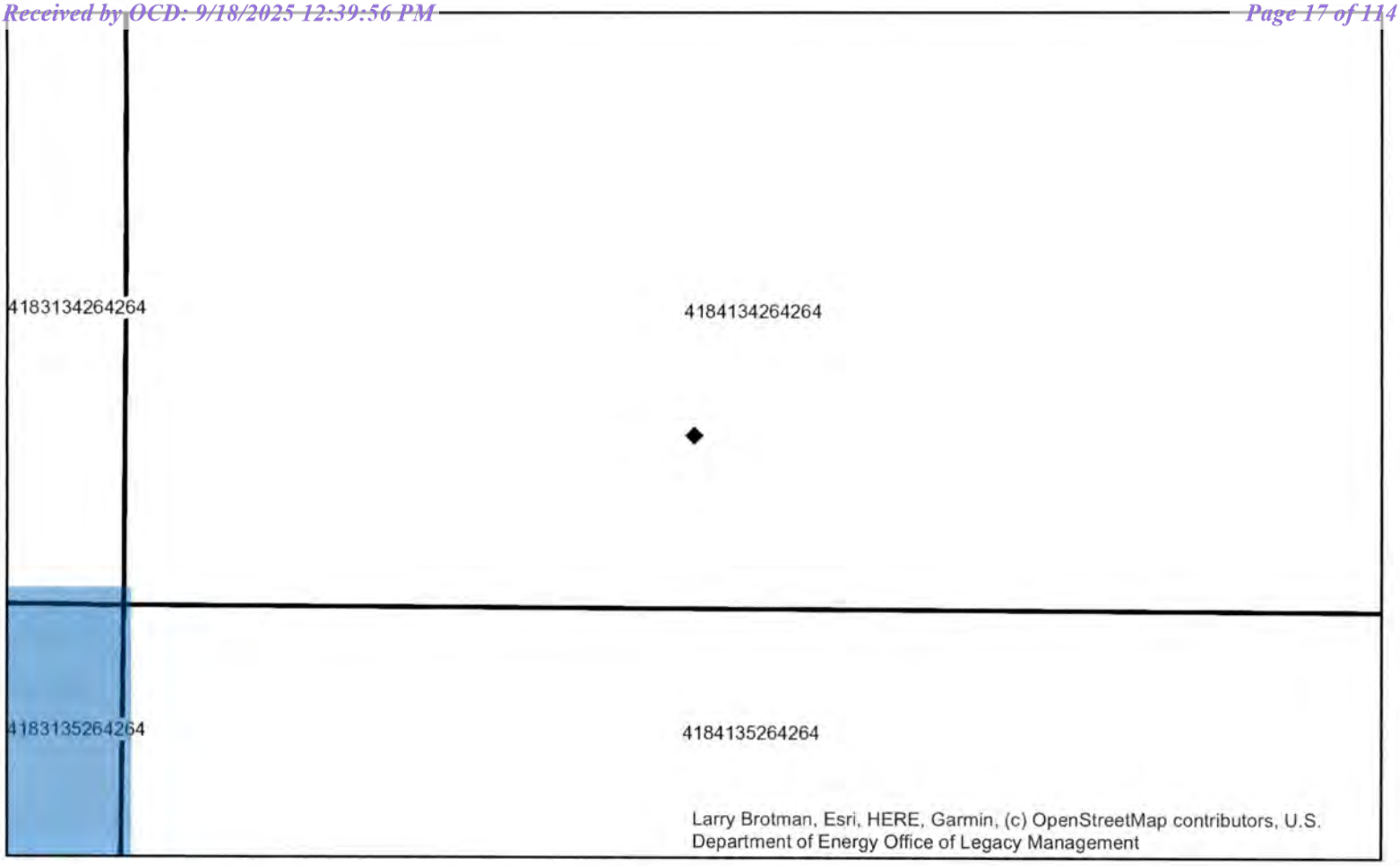
The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 55 feet below ground surface. The boring will be secured and left open for 72 hours at which time Devon Energy Production Company will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type I/II neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

If you have any questions contact Crisha Morgan, at 575-234-5987.

Sincerely,

Crisha Morgan

Crisha A. Morgan
Certified Environmental Protection Specialist



Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 615710.559

Northing 3575737.741

State Plane - NAD 83 (f) - Zone E

Easting 715115.842

Northing 477873.910

Degrees Minutes Seconds

Latitude 32 : 18 : 45.000000

Longitude -103 : 46 : 15.000000

Location pulled from Coordinate Search

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:4,514

ft

0 90 180 360

N

3/29/2023

Office of the State Engineer
Interstate Stream Commission

Spatial Information

County: Eddy

Groundwater Basin: Carlsbad

Abstract Area: Carlsbad 72-12-1

Land Grant: Not in Land Grants Carlsbad Underground Basin

Restrictions:

NA

PLSS Description

SESESWSW Qtr of Sec 10 of 023S 031E

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Parcel Information

UPC/DocNum: 4184134264264

Parcel Owner: Bureau Of Land

Address: W Of Jal Highway Loving 88256

Legal: Quarter: Ne S: 10 T: 23S R: 31E Quarter: Nw S: 10 T: 23S R: 31E Quarter: Sw S: 10 T: 23S R: 31E Quarter: Se S: 10 T: 23S R: 31E All

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

- Coord Search Location
- OSE District Boundary

New Mexico State Trust Lands

- Both Estates
- Bernalillo County Parcels 2022
- Catron County Parcels 2022
- Chaves County Parcels 2022
- Cibola County Parcels 2022
- Colfax County Parcels 2022
- Curry County Parcels 2022
- De Baca County Parcels 2022
- Doña Ana County Parcels 2022
- Eddy County Parcels 2022
- Harding County Parcels 2022
- Hidalgo County Parcels 2022
- Grant County Parcels 2022
- Guadalupe County Parcels 2022
- Lea County Parcels 2022
- Lincoln County Parcels 2022
- Los Alamos County Parcels 2022
- Luna County Parcels 2022
- McKinley County Parcels 2022
- Mora County Parcels 2022
- Otero County Parcels 2022
- Quay County Parcels 2022
- Rio Arriba County Parcels 2022
- Roosevelt County Parcels 2022
- Sandoval County Parcels 2022
- San Juan County Parcels 2022
- San Miguel County Parcels 2022
- Santa Fe County Parcels 2022
- Sierra County Parcels 2022
- Socorro County Parcels 2022
- Taos County Parcels 2022
- Torrance County Parcels 2022
- Union County Parcels 2022
- Valencia County Parcels 2022
- SiteBoundaries

Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 745162
File Nbr: C 04724

Mar. 29, 2023

DEVON WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Vanessa Clements
(575)622-6521

Enclosure

explore

WELL PLUGGING PLAN OF OPERATIONS

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

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

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

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

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4724- (POD-1)

Name of well owner: Devon Energy

Mailing address: 6488 7 Rivers Hwy County: Eddy

City: Artesia State: NM Zip code: 88210

Phone number: 575-748-1838 E-mail: Dale.Woodall@dvn.com

OSE DIT MAR 27 2023 PM 1:21

III. WELL DRILLER INFORMATION:

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

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

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

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

1) GPS Well Location: Latitude: 32 deg, 18 min, 45.0 sec
Longitude: 103 deg, 46 min, 15.0 sec, NAD 83

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

Soil boring to determine groundwater level

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

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

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

6) Depth of the well: 55 feet

7) Inside diameter of innermost casing: 6.5 boring inches.

8) Casing material: 2" Temporary PVC Sch 40 to be removed prior to plugging

9) The well was constructed with:

☐ an open-hole production interval, state the open interval: _____

☐ a well screen or perforated pipe, state the screened interval(s): _____

10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A

11) Was the well built with surface casing? _____If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:

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

V. DESCRIPTION OF PLANNED WELL PLUGGING:

☐ **If plugging method differs between multiple wells on same site, a separate form must be completed for each method.**

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

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

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

The temporary well material will be removed. Tremied from bottom to land Neat Cement in lifts

2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

OSE OIL MAR 27 2023 PM1:21

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

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 94

4) Type of Cement proposed: Type I/II Neat Cement

5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____batch-mixed and delivered to the site

X mixed on site

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

N/A

8) Additional notes and calculations:

N/A

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

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

OSE DIT MAR 27 2023 PM 1:20

VIII. SIGNATURE:

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

Dale Woodall
Dale Woodall (Aug 11, 2022 12:45 MDT)

Signature of Applicant

8/11/2022

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

X Approved subject to the attached conditions.

_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 30th day of March, 2023

Mike A. Hamman, P.E., New Mexico State Engineer

By Samantha Davis
Water Resources Professional II

GREAT SEAL OF THE STATE OF NEW MEXICO 1912

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	0
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	55
Theoretical volume of grout required per interval (gallons)	N/A	N/A	94
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A	N/A	On-Site
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

OSE DIT MAR 27 2023 PM1:21

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

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

OSE DIT MAR 27 2023 PM1:22

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623- 8559

Applicant has identified wells, listed below, to be plugged. Jackie D. Atkins (Atkins Engineering Associates Inc.) (WD-1249) will perform the plugging.

Permittee: Devon Energy
NMOSE Permit Number: C-4724-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4724-POD1	6.5 (Soil Boring)	55	Unknown	32° 18' 45.0"	103° 46' 15.0"

Specific Plugging Conditions of Approval for Well located in Eddy County, New Mexico.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. Ground Water encountered: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 94.7 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 55 feet.

3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 17.2 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.

4. **Ground Water encountered:** Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.

5. **Dry Hole:** (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Hydrated bentonite. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

6. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.

7. Should cement "shrinks-back" occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 3 & 4 of these Specific Conditions of Approval.

8. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.

9. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

10. NMOSE witnessing of the plugging of the shallow well will not be required.

11. Any deviation from this plan must obtain an approved variance from this office prior to implementation.

12. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 30th day of March 2023

Mike A. Hamman, P.E. State Engineer

By: _____

Samantha Davis
Water Resources Professional II

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

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

March 30, 2023

Devon Energy
6488 7 Rivers Hwy
Artesia, NM 88210

RE: Well Plugging Plan of Operations for well no. C-4724-POD1

Greetings:

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

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

Sincerely,

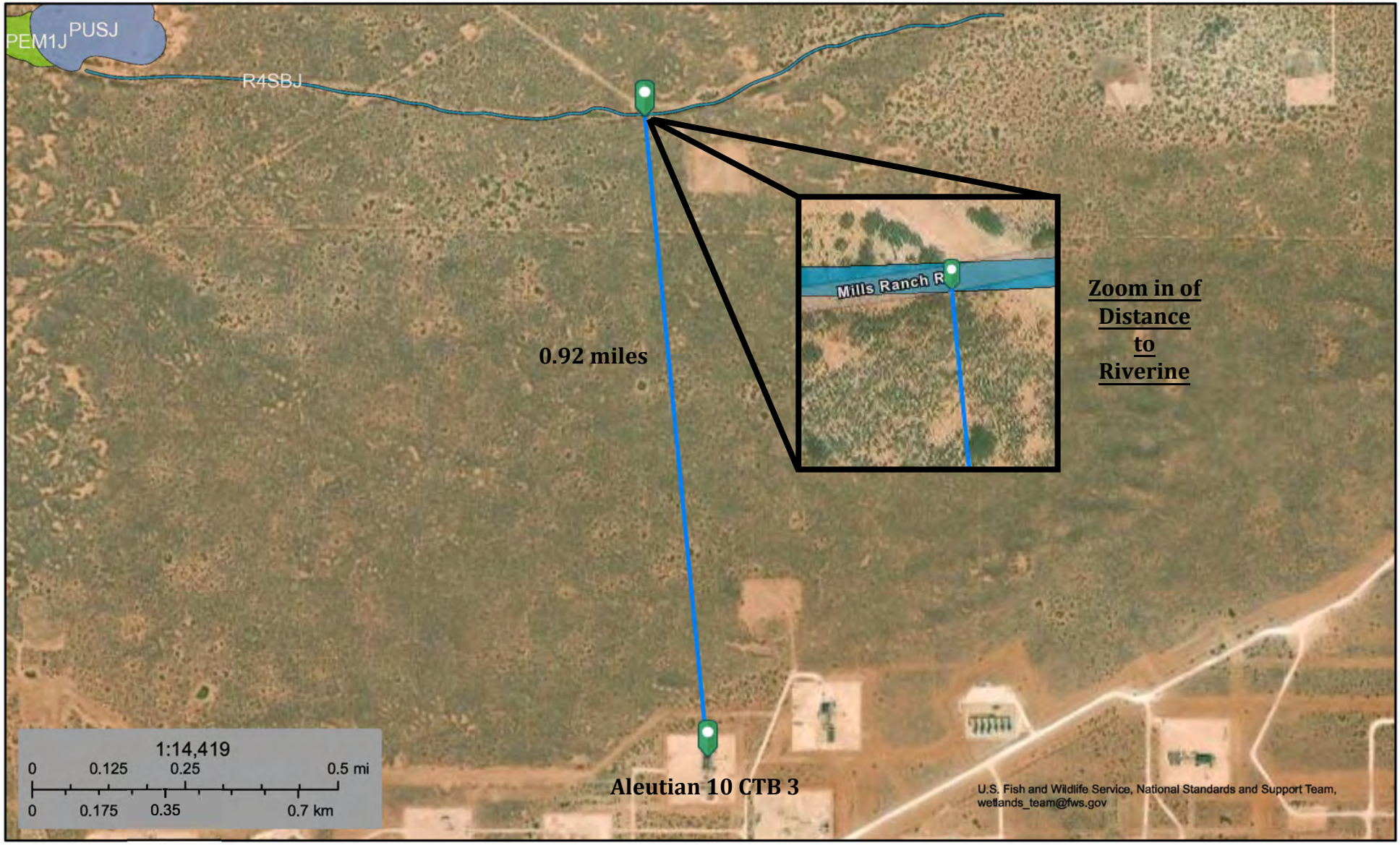
Samantha Davis
Water Resources Professional II

U.S. Fish and Wildlife Service
National Wetlands Inventory

Aleutian 10 CTB 3

Nearest Significant Watercourse: Riverine

Distance: 0.92 miles



June 17, 2025

Wetlands

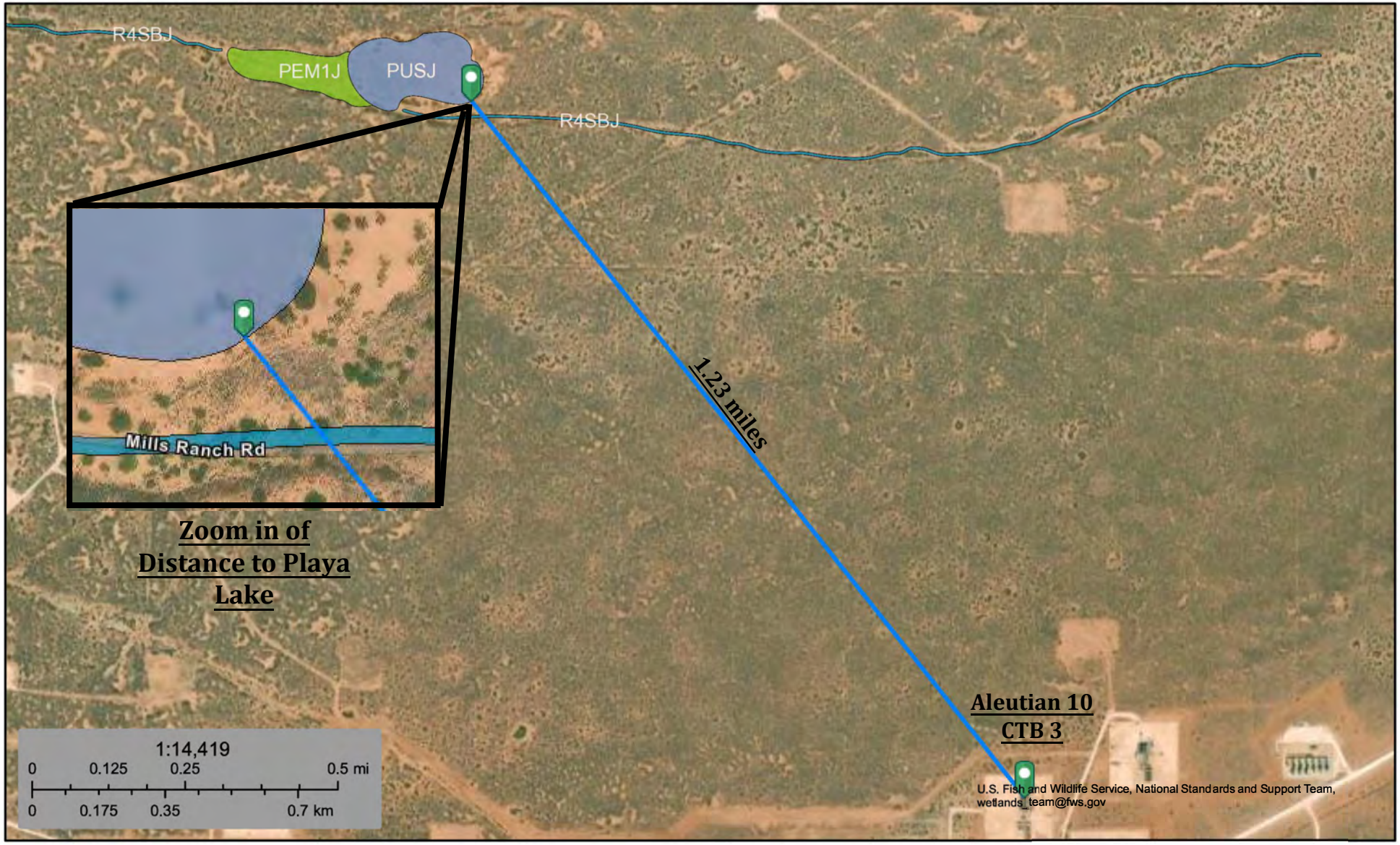
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

Aleutian 10 CTB 3
Nearest Playa Lake Distance: 1.23 miles



June 17, 2025

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National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Aleutian 10 CTB 3

Distance to Nearest Residence: 2.81 miles

Legend

- Aleutian 10 CTB 3
- Distance to Residency

Zoom in of Distance to nearest Residence

2.81 miles

Aleutian 10 CTB 3

Devon North Pure Gold

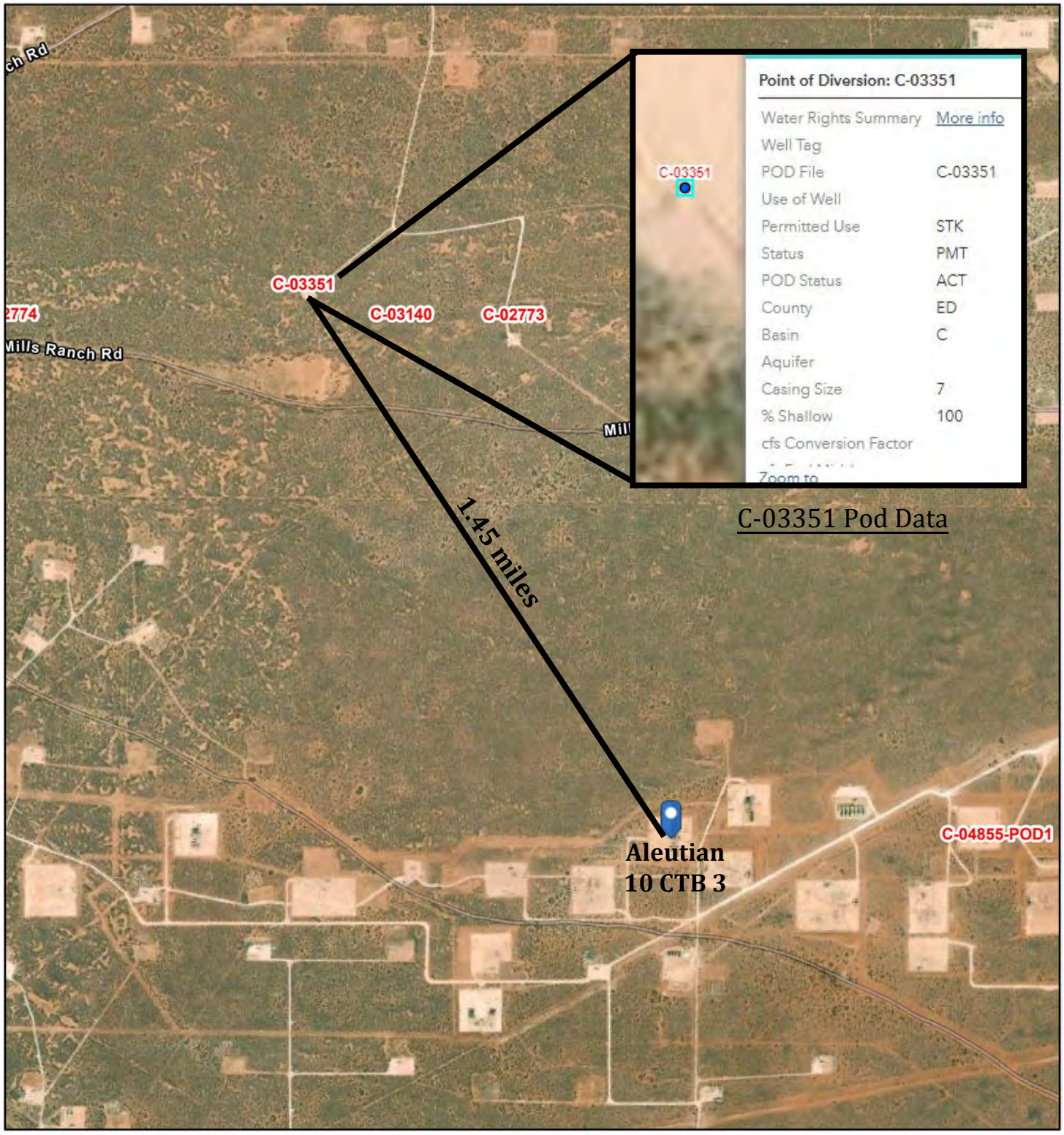
Compressor S

Google Earth

1 mi

N

Aleutian 10 CTB 3 - Distance to Domestic Well Map



C-03351 Pod Data

6/23/2025, 12:31:46 PM

1:23,385

0 0.15 0.3 0.6 mi

0 0.28 0.55 1.1 km

Nearest Domestic Well
OSE Pod C-03351
Well Type
Livestock Watering
Distance
1.45 miles

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

Monica Peppin
This is an unofficial map from the OSE's online application.

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

469289

Section 1. GENERAL INFORMATION

(A) Owner of well BLM- STACY MILLS Owner's Well No. C-3351
Street or Post Office Address P.O. BOX 1358
City and State LOVING, NEW MEXICO 88256

Well was drilled under Permit No. C-3351 and is located in the:

a. SE ¼ NW ¼ SE ¼ ¼ of Section 4 Township 23-S Range 31-E 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=614968.79 feet, Y=3577879.68 feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor GLENN'S WATER WELL SERVICE INC. License No. WD-421

Address P.O. BOX 692 TATUM, NEW MEXICO 88267

Drilling Began 11/20/07 Completed 11/20/07 Type tools ROTARY Size of hole 7 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 320 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 168 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
240	265	25	SAND ROCK	25

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
8 5/8	.188	PE	1	20	20	NONE	CEMENTED	
6 5/8	.188	PE	1	304	304	NONE	152	304

Section 4. RECORD OF MUDDING AND CEMENTING

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

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2007 DEC -4 A 11:38

Section 5. PLUGGING RECORD

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

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

FOR USE OF STATE ENGINEER ONLY

Date Received 12.4.07

Quad _____ FWL _____ FSL _____

File No. C-3351 Use STK Location No. 235.31E.4.414

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	6	6	SAND
6	12	6	RED CLAY
12	15	3	CALECHE
15	28	13	RED CLAY AND CALACHE
28	105	77	RED SHALE
105	170	65	RED CLAY AND RED SHALE
170	200	30	RED SHALE
200	240	40	RED SANDY SHALE
240	265	25	RED SAND STONE
265	268	3	RED CLAY
268	310	42	RED SANDY SHALE
310	320	10	RED SHALE, SOME ANHYDRITE

Section 7. REMARKS AND ADDITIONAL INFORMATION

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.

Corky J. Lem
Driller

393496

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

Aleutian 10 CTB 3

Nearest Municipal Boundary: Loving, NM
Distance: 18.97 miles

Legend

- Aleutian 10 CTB 3
- Municipal Boundary

Aleutian 10 CTB 3

18.97 miles

Loving

Malaga

285

Loving Municipal Boundary

Zoom in of Loving Municipal Boundary

Google Earth

8 mi

N

U.S. Fish and Wildlife Service
National Wetlands Inventory

Aleutian 10 CTB 3
Nearest Wetland: Freshwater Emergent Wetland
Distance: 1.33 miles

June 17, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
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National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Aleutian 10 CTB 3 Mines Proximity Map

8/20/2025, 8:50:33 AM

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Registered Mines

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Potash
- Salt

Esri, HERE, Garmin, Earthstar Geographics

EMNRD MMD GIS Coordinator

New Mexico Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

Aluetian 10 CTB 3 - Karst Potential

0 0.15 0.3 0.6 mi

N

New Mexico State Land Office

Disclaimer:
The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

Map Created: 6/23/2025

- User drawn points
- Subdivisions
- Sections
- Townships
- County Boundaries
- State Boundary
- County Seats

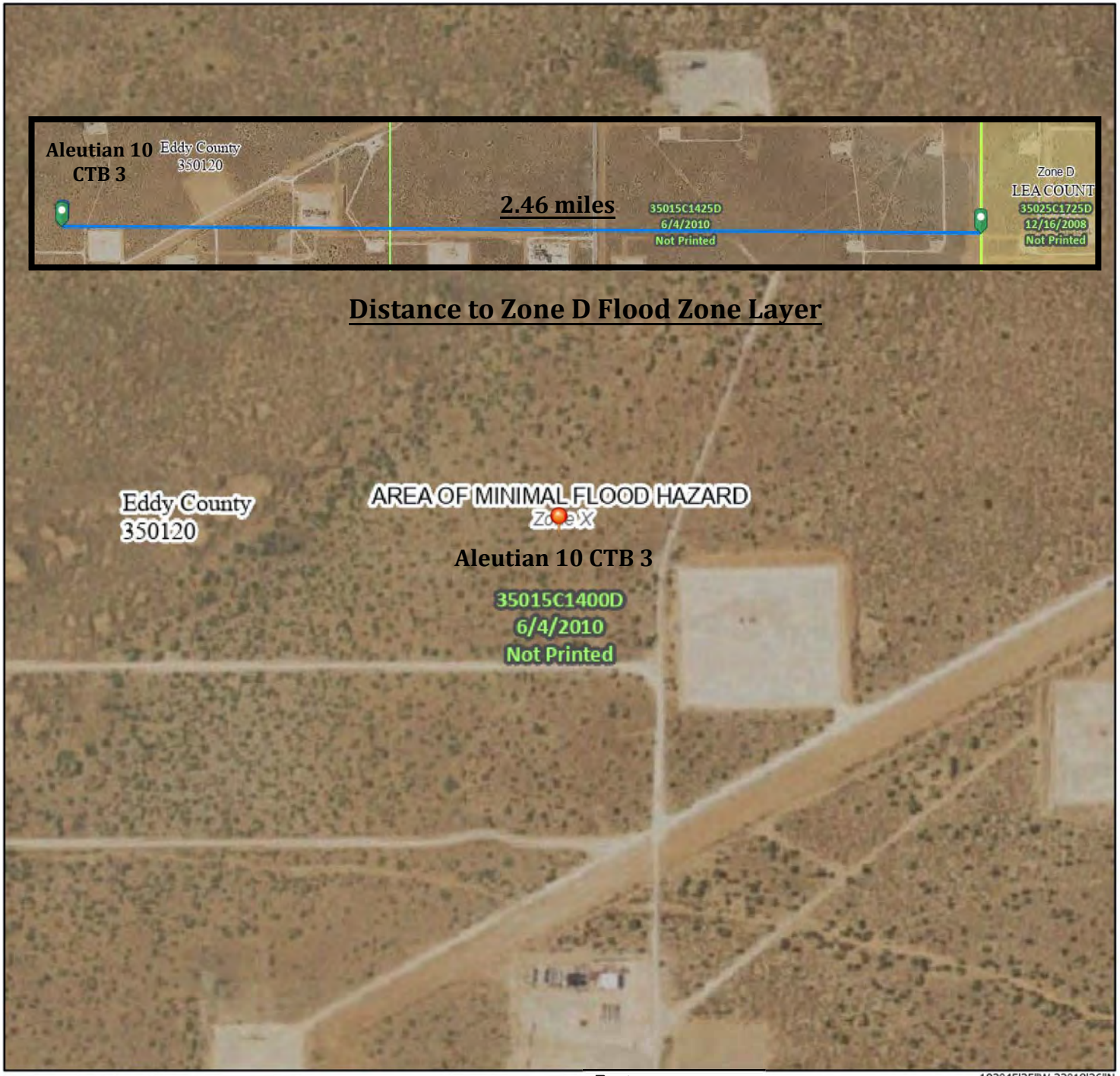
Karst_Potential_NM
Potential
- Critical
- High
- Medium

2.67 miles to Medium Karst Potential Feature

National Flood Hazard Layer FIRMette

FEMA

103°46'13"W 32°19'6"N



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

1:6,000

103°45'35"W 32°18'36"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone 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
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - 513 Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

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 6/17/2025 at 9:28 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

Map Scale: 1:1,180 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 15 30 60 90

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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
BB	Berino complex, 0 to 3 percent slopes, eroded	6.1	100.0%
Totals for Area of Interest		**6.1**	**100.0%**

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent

Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 06/21/2025

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
R070BD005NM	**Deep Sand** Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	9%
Aspect	Aspect is not a significant factor

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

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

Characteristic soils are:
Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	10%
Surface fragment cover >3"	Not specified
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%

Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	Not specified

Ecological dynamics

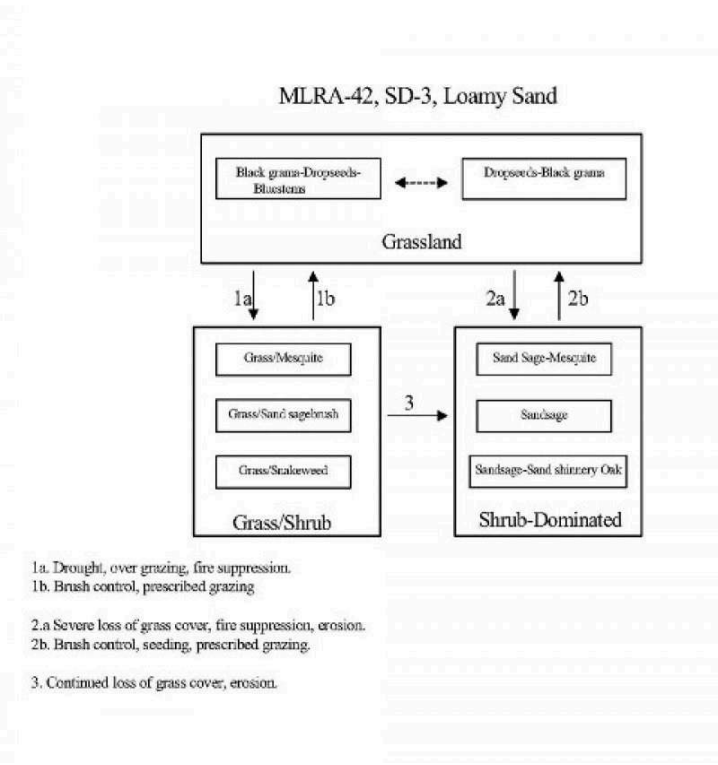
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



State 1
Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	**650**	**1225**	**1800**

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

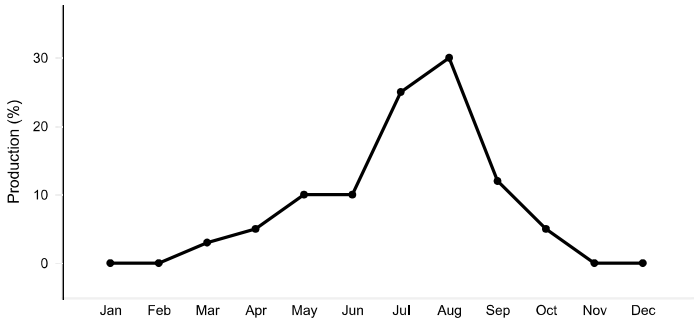


Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

State 2
Grass/Shrub

Community 2.1
Grass/Shrub

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3
Shrub Dominated

Community 3.1
Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

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**			61–123	
	little bluestem	SCSC	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa neomexicana*	37–61	–
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	
	sand sagebrush	ARFI2	*Artemisia filifolia*	61–123	–
	Havard oak	QUHA3	*Quercus havardii*	61–123	–
11	**Shrub**			34–61	
	fourwing saltbush	ATCA2	*Atriplex canescens*	37–61	–
	featherplume	DAFO	*Dalea formosa*	37–61	–
12	**Shrub**			37–61	
	jointfir	EPHED	*Ephedra*	37–61	–
	littleleaf ratany	KRER	*Krameria erecta*	37–61	–
13	**Other Shrubs**			37–61	
	Shrub (>.5m)	2SHRUB	*Shrub (>.5m)*	37–61	–
Forb					
14	**Forb**			61–123	
	leatherweed	CRPOP	*Croton pottsii var. pottsii*	61–123	–
	Indian blanket	GAPU	*Gaillardia pulchella*	61–123	–

	globemallow	SPHAE	*Sphaeralcea*	61–123	–
15	**Forb**			12–37	
	woolly groundsel	PACA15	*Packera cana*	12–37	–
16	**Forb**			61–123	
	touristplant	DIWI2	*Dimorphocarpa wislizeni*	61–123	–
	woolly plantain	PLPA2	*Plantago patagonica*	61–123	–
17	**Other Forbs**			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	*Forb (herbaceous, not grass nor grass-like)*	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.
Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

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
Berino B
Kinco A
Maljamar B
Pajarito B
Palomas B
Wink B
Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well 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 2.3 – 3.5
75 – 51 3.0 – 4.5
50 – 26 4.6 – 9.0
25 – 0 9.1 +

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 Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite
management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

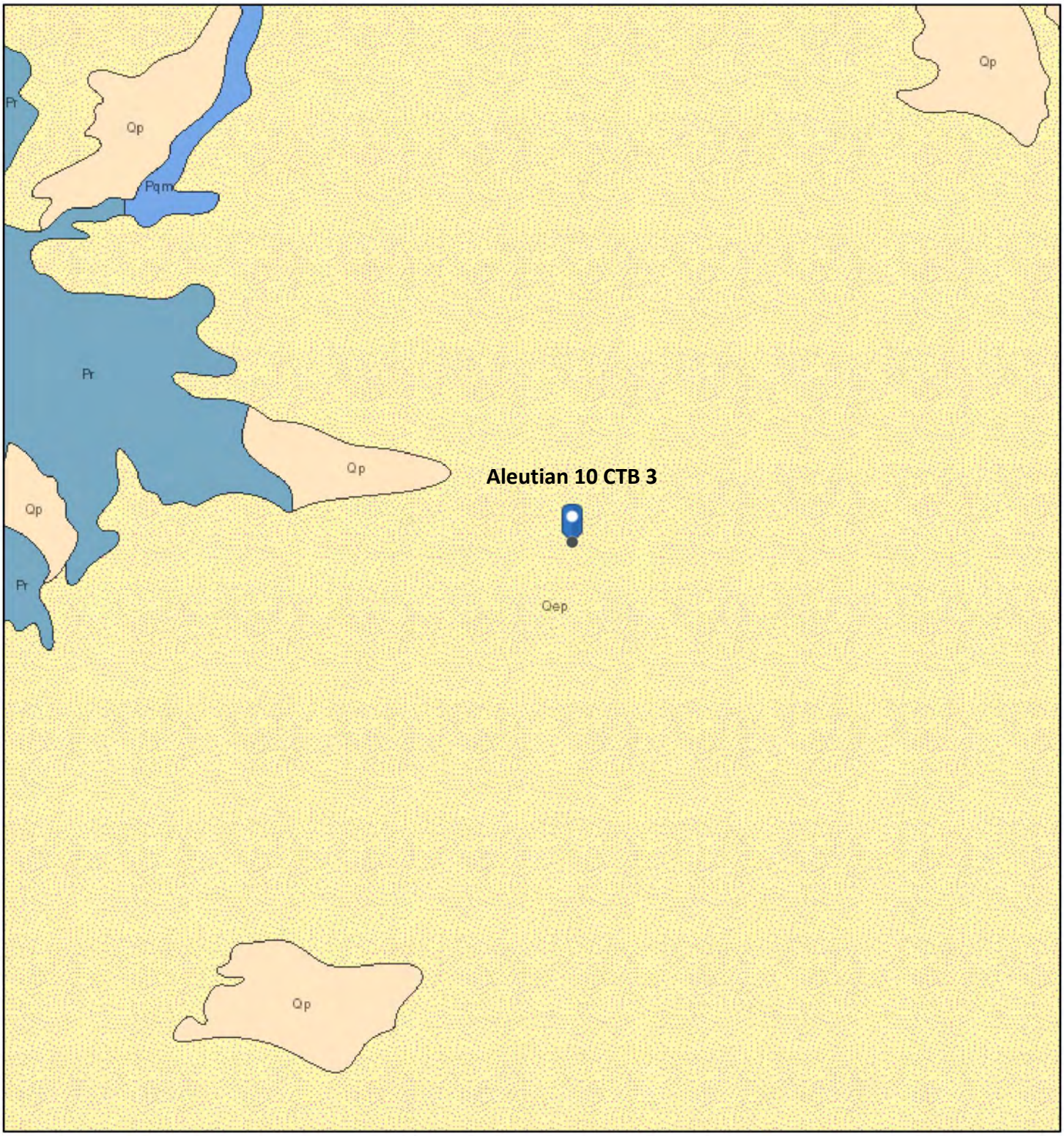
Ansley, R. J.; Jones, D. L.; Tunnell, T. R.; [and others]. 1998. Honey mesquite canopy
responses to single winter fires: relation to herbaceous fuel, weather and fire temperature. International Journal of Wildland Fire 8(4):241-252.

Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to
mesquite damage by fire. Journal of Range Management 24:136-141.

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush
canopy with needleandthread. Journal of Range Management

Geological Unit Map

Aleutian 10 CTB 3



6/17/2025, 2:36:24 PM

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perenial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)

Earthstar Geographics, NMBGMR

APPENDIX C

TABLE 2. FIELD SCREEN AND LABORATORY ANALYSIS RESULTS

Client: Devon Energy Production
Site Name: Aleutian 10 CTB 3
Incident ID: nAPP2514057783

Table 2. Characterization Sample Field Screen and Laboratory Analysis Results

Sample Details			Preliminary Screening				Laboratory Analysis Results							
							Method 8021B		Method 8015D					Method 300.0
Sample ID	Date	Depth (ft bgs)	Volatile Organic Compounds (PID)	Extractable Organic Compounds (Petroflag)	Chloride Concentration (Electrical Conductivity Meter)	Chloride Concentration (Titration)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO +DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
51–100 ft DTGW			-	-	-	-	10	50	-	-	-	1000	2500	10000
BH-01	6/18/2025	0'	-	-	10796	-	<0.025	<0.221	<4.9	<9.7	<48	<14.6	<62.6	8900
		1'	-	-	379	-	<0.025	<0.225	<5.0	<9.8	<49	<14.8	<63.8	350
		2'	-	-	81	-	-	-	-	-	-	-	-	-
		3'	-	-	77	-	-	-	-	-	-	-	-	-
		4'	-	-	151	-	-	-	-	-	-	-	-	-
BH-02	6/18/2025	0'	-	-	9712	-	<0.025	<0.222	<4.9	<9.8	<49	<14.7	<63.7	8800
		1'	-	-	390	-	<0.024	<0.216	<4.8	<9.7	<49	<14.5	<63.5	130
		2'	-	-	145	-	-	-	-	-	-	-	-	-
		3'	-	-	0	-	-	-	-	-	-	-	-	-
		4'	-	-	0	-	-	-	-	-	-	-	-	-
BH-03	6/18/2025	0'	-	-	5261	-	<0.024	<0.216	<4.8	<9.1	<46	<13.9	<59.9	5600
		1'	-	-	195	-	<0.025	<0.221	<4.9	<9.9	<50	<14.8	<64.8	95
		2'	-	-	36	-	-	-	-	-	-	-	-	-
		3'	-	-	0	-	-	-	-	-	-	-	-	-
		3.5'	-	-	117	-	-	-	-	-	-	-	-	-
BH-04	6/18/2025	0'	-	-	218	-	<0.024	<0.216	<4.8	<9.3	<46	<14.1	<60.1	<60
		1'	-	-	132	-	<0.023	<0.211	<4.7	<9.8	<49	<14.5	<63.5	<60
BH-05	6/18/2025	0'	-	-	117	-	<0.024	<0.217	<4.8	<9.6	<48	<14.4	<62.4	<60
		1'	-	-	161	-	<0.025	<0.221	<4.9	<9.4	<47	<14.3	<61.3	<60
BH-06	6/18/2025	0'	-	-	507	-	<0.025	<0.221	<4.9	<9.2	<46	<14.1	<60.1	130
		1'	-	-	117	-	<0.024	<0.219	<4.9	<9.7	<49	<14.6	<63.6	1200
BH-07	6/18/2025	0'	-	-	1589	-	<0.025	<0.224	<5.0	<9.9	<49	<14.9	<63.9	<60
		1'	-	-	189	-	<0.025	<0.225	<5.0	<9.4	<47	<14.4	<61.4	<60

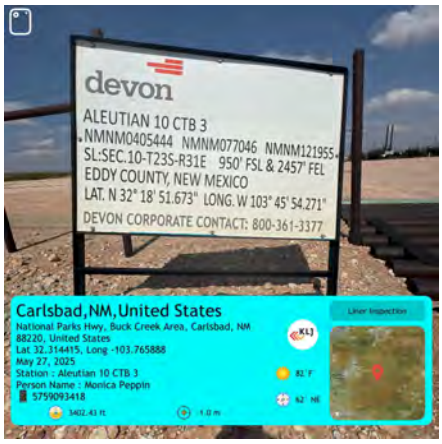
Project #: 2507-10049
Lab Report: J27278-1
"-" indicates not analyzed

APPENDIX D

INITIAL CHARACTERIZATION FIELD NOTES & PHOTOLOG REPORT

Initial Characterization Field Notes & Photolog

Site & Incident Information

Client:	Devon Energy	**Date:**	5.27.2025
Site Name:	Aleutian 10 CTB 3	**Arrival Time:**	2:08 PM
Incident ID:	nAPP2514057783	 **Photo of Lease Sign**	
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Eddy		
Lease ID:	NMNM077046, NMNM0405444		
Facility ID/API #:	fAPP2300331384		

Observations and Field Notes

- Travel to site, fill out safety paperwork, review incident details for insight of where to locate point of release (POR).
- Discover area of release, map out stained area in ArcGIS and plot GPS points for submitting a one call.
- Photos taken of staining on surface and where release occured.
- Visual staining apparent on surface and has a darker tint on pad area along with salt deposits left around the equipment where the equipment is located.
- Release is within tight area near heater treaters, separators, and flowlines.
- Determine extents of release after one call is complete and cleared. Review plan with client prior to delineation efforts.
- No signs that release went off pad.
- Site is located in area that is sandy, engineered pad is hard packed caliche.

Photolog

Visual staining visible around piping and between equipment viewing from west side of release facing south.

Release area near heater treaters and separators facing east from west side with stepped back view of area.

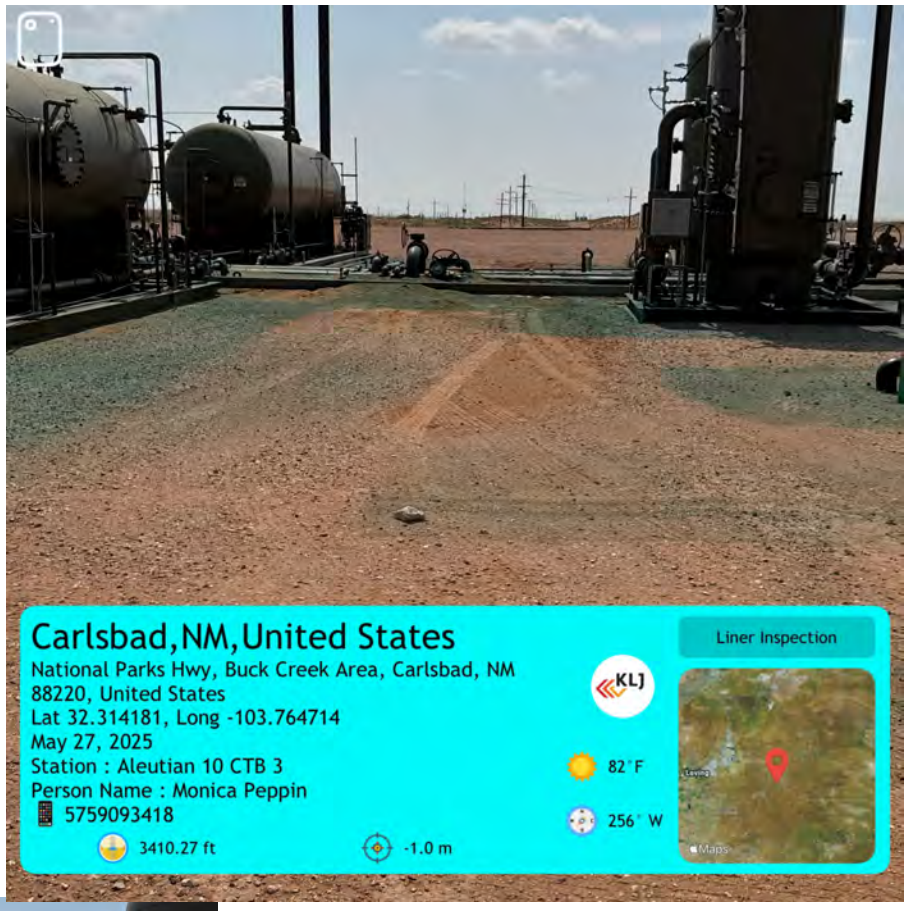
Photolog

Visual of salting on surface around production equipment and piping.

Point of Release under flow lines and surface staining.

Photolog

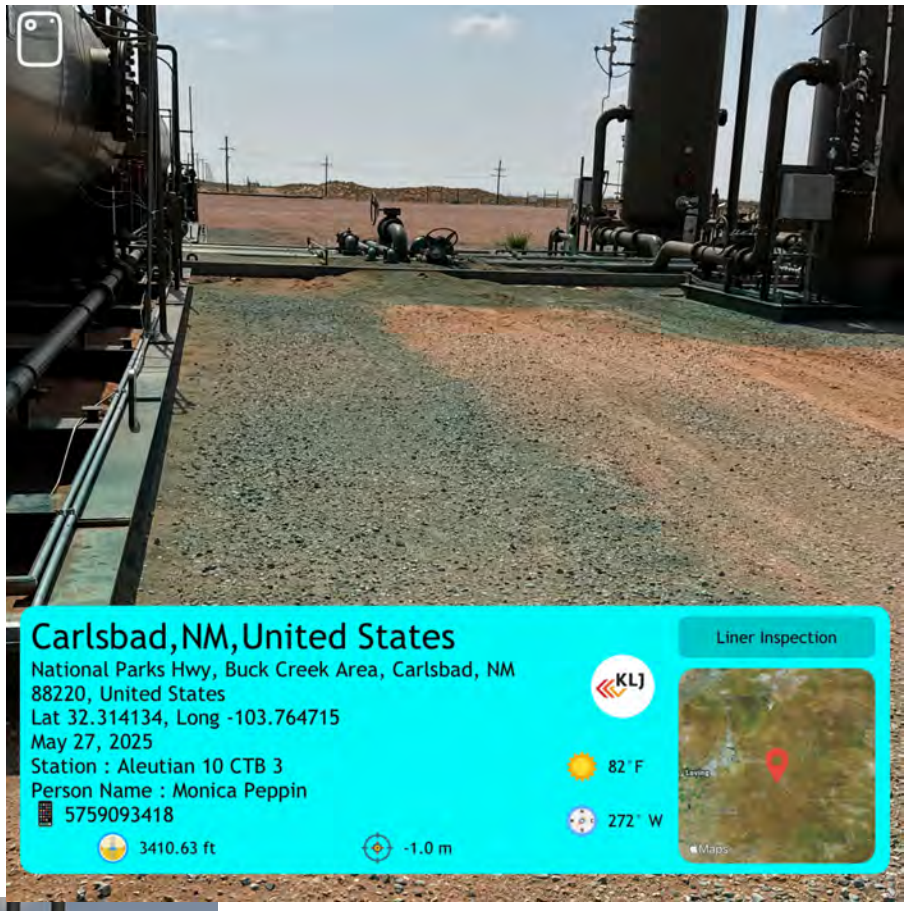
East side facing west of release area where visual staining can be seen where fluid ran.



Facing west looking at point of release and visual staining on surface.

Photolog

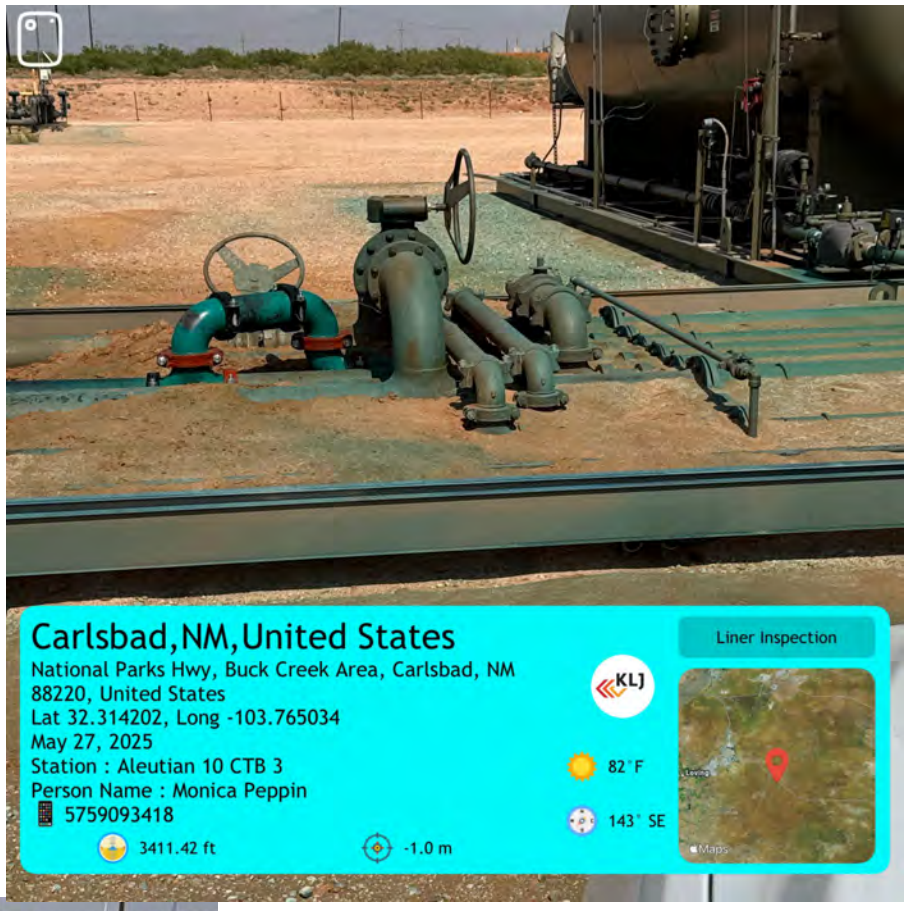
Visual staining facing northwest standing near 3-phase separator for broader view of release area.



Facing east viewing release area showing equipment and flow-lines.

Photolog

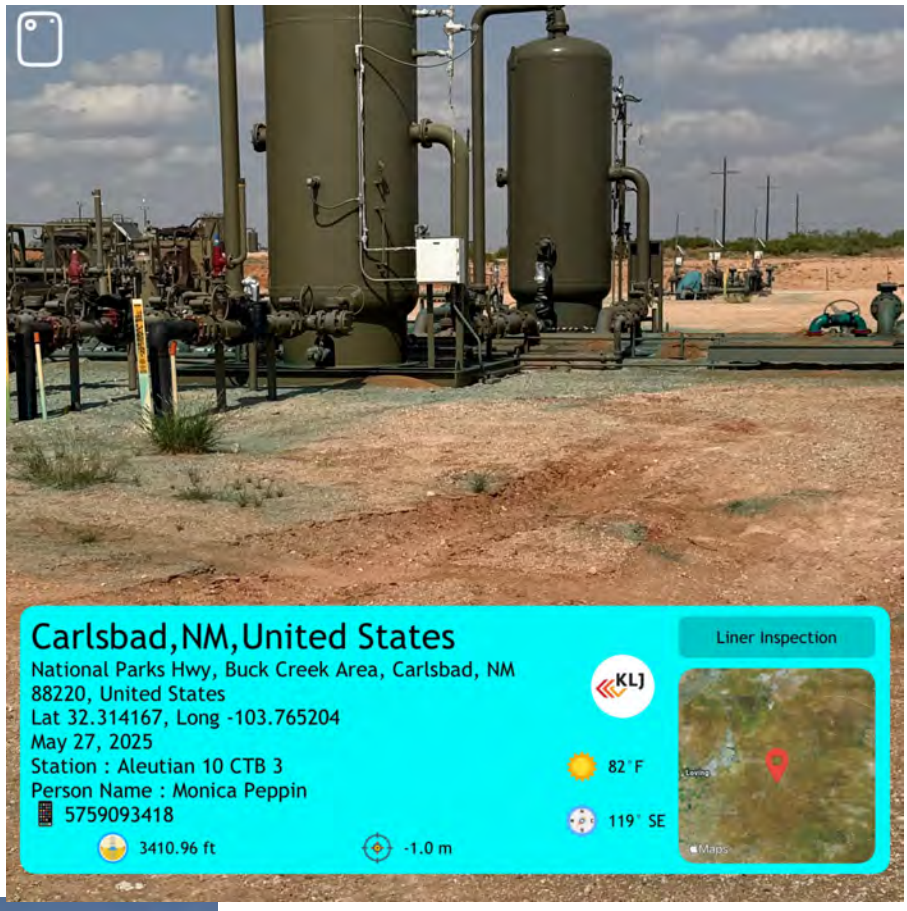
Visual of salting on surface around production equipment and piping.

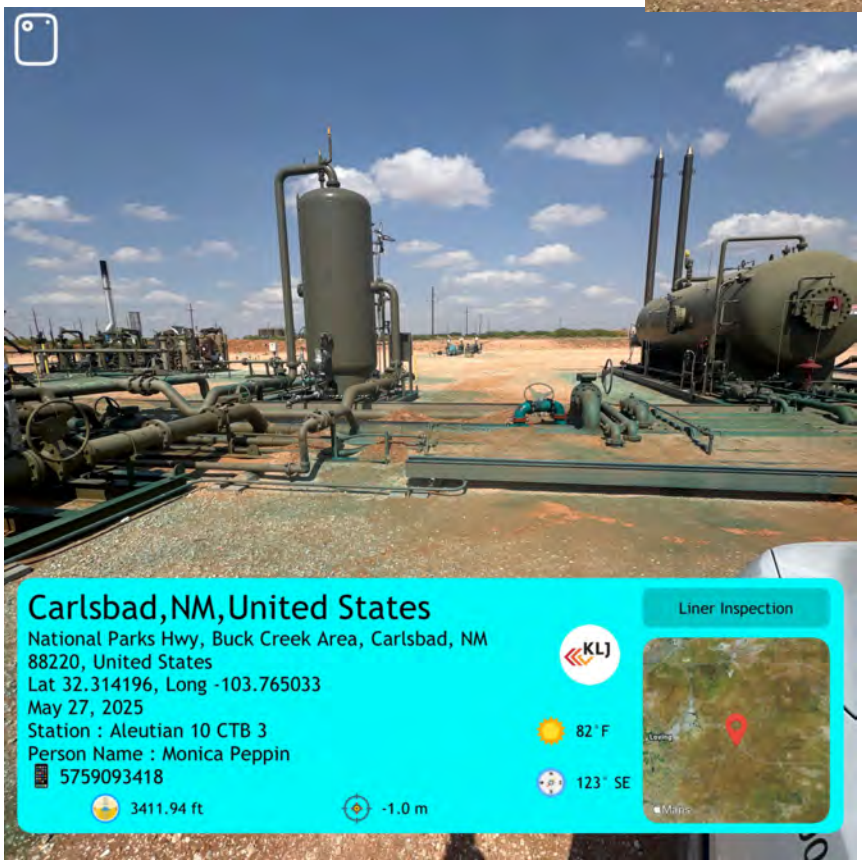


Area under piping and production facing northeast towards heater treater

Photolog

View of release area from west side facing northeast to see equipment from further distance.





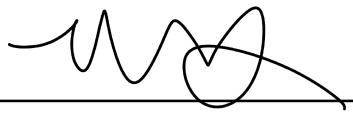
Release area from east side of equipment looking west.

Additional Notes & Recommendations

- Submit one call to mark underground lines.
- Create plan for delineation efforts.
- Communications with client on next steps to proceed with using hand tools and one call completion.
- Submit samples to lab for analysis and confirm delineation has been completed to strictest criteria.
- Determine next steps for remediation.

Acknowledgment & Signature

Technician: Monica Peppin **Date:** May 27, 2025

Signature: 

Departure Time: 3:45 PM

Initial Characterization Field Notes & Photolog Report

Site & Incident Information

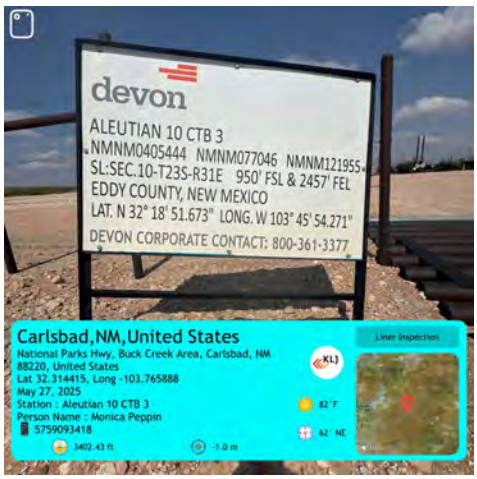
Client:	Devon Energy	**Date:**	6.18.2025
Site Name:	Aleutian 10 CTB 3	**Arrival Time:**	9:30 AM
Incident ID:	nAPP2514057783		
Client Contact:	Jim Raley		
Land Status:	BLM		
County:	Eddy		
Lease ID:	NMNM0405444		
Facility ID/API #:	fAPP2129451365		
POR Coordinates: 32.314163, -103.794975			

Photo of Lease Sign

Observations and Field Notes

- Arrive on site, fill out safety paperwork, meet with Devon rep and contractor to conduct blind sweep of area. Kelly Oilfield Services on site to complete blind sweep prior to breaking soil with the hand auger.
- Discuss scope of work with Devon rep and begin setting up equipment and getting tools out to start collecting samples and fully delineate the area.
- Scope of work to consist of multiple points in and around the release area for vertical and horizontal delineation. Vertical points will be samples points collected at one foot increments to 4 ft bgs or refusal layer.
- Site consists of a hard packed caliche mixed with aggregrate. Native soils are sandy, silty sand, loamy sand.

Initial Characterization Site Visit Field Notes

Site:	Aleutian 10 CTB 3	**Date:**	June 18, 2025
Incident ID:	nAPP2514057783	**Technician:**	Monica Peppin

Observations and Field Notes continued

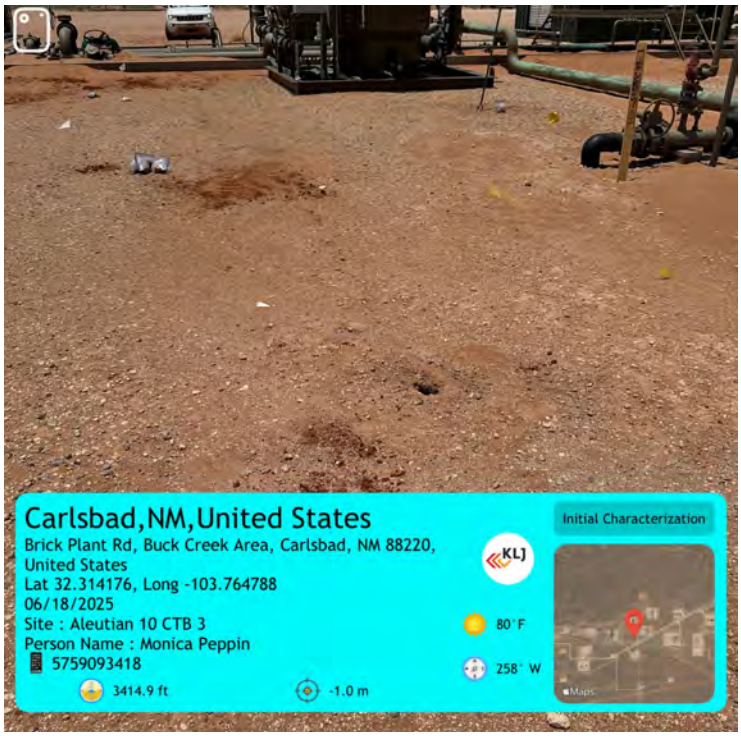
- Equipment is very clustered and multiple flow lines and electrical lines run parallel with each other leading to the separators and heater treaters.
- Using mapped points from site visit where one call was completed to begin delineation of the release area.
- Samples are consistent to each other and surface samples contain pad material, while depth intervals at 1 ft bgs, 2 ft bgs, 3 ft bgs, are sandy, while getting to the depths of 3.5 ft bgs and 4 ft bgs are a mix of sand and hard pan caliche.
- Refusal layer was reached at 3.5 ft bgs at sample point BH03.
- Field screening of all samples to be collected and sent to lab for analysis.
- Collection of 7 boreholes were mapped and sampled.
- Additional step outs can be conducted at time of remedial activities since release area is less than 1,000 square feet.
- All samples cleaning up at 1 ft bgs with field screens.

Photolog

Release area under piping near point of release and BH01.

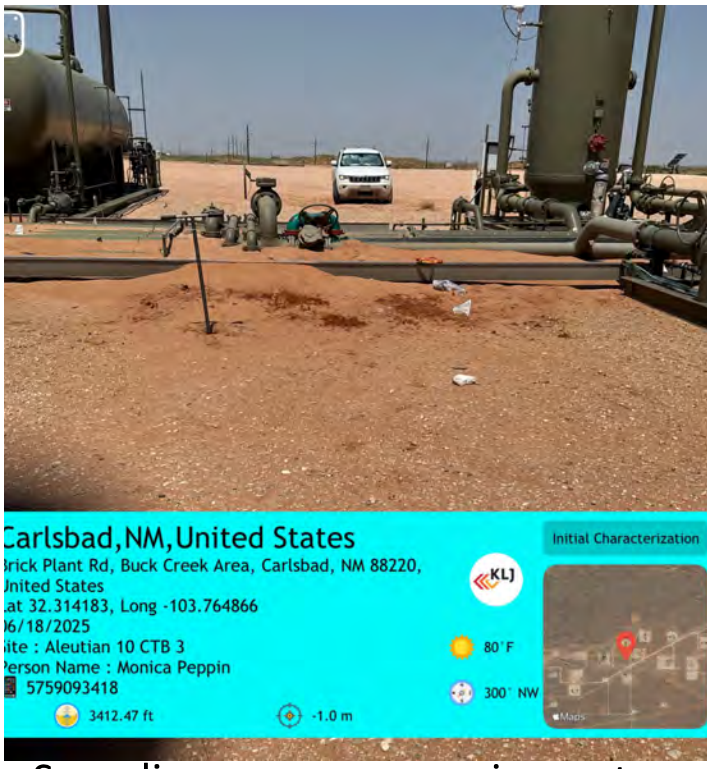
BH05 on west side of equipment.

Facing east viewing BH02, BH03, BH04.



Sample point BH04 at edge of release area. Visual staining observed.

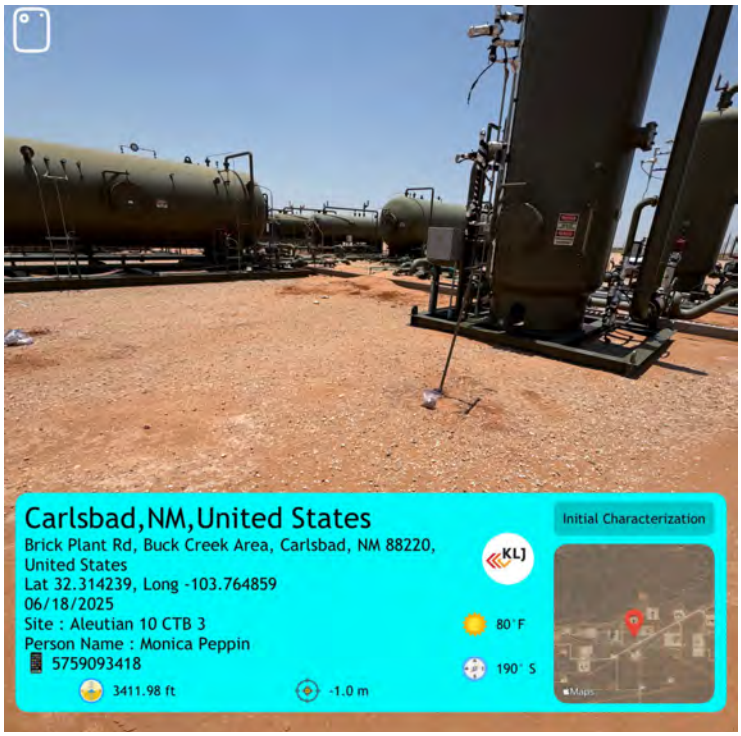
Photolog



Sampling area near equipment on east side.

View from east area to see sample points, equipment, and size of area.

BH07 near separator from the north side facing south.



Facing southwest viewing release area, BH07, and equipment.

Additional Notes & Recommendations

- Upload data to file, pack samples, and send in for laboratory analysis.
- Tabulate field screen data in table, get schematic request sent to GIS for figure, and prep for remediation activities.
- Draft remediation work-plan while pending lab results are completed.
- Determine square footage and yardage of excavation needed to remove contamination from site.

Acknowledgement & Signature

Technician: Monica Peppin

Date: June 18, 2025

Signature:

Departure Time: 7:27 PM

APPENDIX E

LABORATORY ANALYSIS REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jim Raley
Devon Energy Corporation
6488 Seven Rivers Hwy
Artesia, New Mexico 88210

Generated 7/1/2025 3:38:49 PM

JOB DESCRIPTION

Aleutian 10 CTB 3

JOB NUMBER

885-27278-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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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7/1/2025 3:38:49 PM

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

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Laboratory Job ID: 885-27278-1

Table of Contents

Definitions/Glossary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

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: Devon Energy Corporation
Project: Aleutian 10 CTB 3

Job ID: 885-27278-1

Job ID: 885-27278-1 Eurofins Albuquerque

Job Narrative
885-27278-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 6/21/2025 7:15 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 6.0°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.

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH01 0'

Lab Sample ID: 885-27278-1

Date Collected: 06/18/25 09:00
Matrix: Solid
Date Received: 06/21/25 07:15

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		06/23/25 10:39	06/24/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*06/23/25 10:39*	*06/24/25 11:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:39	06/24/25 11:43	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 11:43	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 11:43	1
Xylenes, Total	ND		0.098		mg/Kg		06/23/25 10:39	06/24/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*06/23/25 10:39*	*06/24/25 11:43*	*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		06/23/25 14:37	06/23/25 19:10	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		06/23/25 14:37	06/23/25 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*06/23/25 14:37*	*06/23/25 19:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8900**		60		mg/Kg		06/23/25 12:40	06/23/25 17:04	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH01 1'

Lab Sample ID: 885-27278-2

Date Collected: 06/18/25 09:02
Matrix: Solid
Date Received: 06/21/25 07:15

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		06/23/25 10:39	06/24/25 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*06/23/25 10:39*	*06/24/25 12:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F2	0.025		mg/Kg		06/23/25 10:39	06/24/25 12:49	1
Ethylbenzene	ND	F2	0.050		mg/Kg		06/23/25 10:39	06/24/25 12:49	1
Toluene	ND	F2	0.050		mg/Kg		06/23/25 10:39	06/24/25 12:49	1
Xylenes, Total	ND	F2	0.10		mg/Kg		06/23/25 10:39	06/24/25 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*06/23/25 10:39*	*06/24/25 12:49*	*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		9.8		mg/Kg		06/23/25 14:37	06/23/25 19:34	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/23/25 14:37	06/23/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*06/23/25 14:37*	*06/23/25 19:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		60		mg/Kg		06/23/25 12:40	06/23/25 17:15	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH02 0'

Lab Sample ID: 885-27278-4

Date Collected: 06/18/25 09:20
Matrix: Solid
Date Received: 06/21/25 07:15

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		06/23/25 10:39	06/24/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*06/23/25 10:39*	*06/24/25 13:54*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:39	06/24/25 13:54	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 13:54	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 13:54	1
Xylenes, Total	ND		0.099		mg/Kg		06/23/25 10:39	06/24/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*06/23/25 10:39*	*06/24/25 13:54*	*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		9.8		mg/Kg		06/23/25 14:37	06/23/25 20:21	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/23/25 14:37	06/23/25 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*06/23/25 14:37*	*06/23/25 20:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8800**		60		mg/Kg		06/23/25 12:40	06/23/25 17:25	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH02 1'

Date Collected: 06/18/25 09:24
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-5

Matrix: Solid

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		06/23/25 10:39	06/24/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*06/23/25 10:39*	*06/24/25 14:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		06/23/25 10:39	06/24/25 14:16	1
Ethylbenzene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 14:16	1
Toluene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 14:16	1
Xylenes, Total	ND		0.096		mg/Kg		06/23/25 10:39	06/24/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*06/23/25 10:39*	*06/24/25 14:16*	*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		9.7		mg/Kg		06/23/25 14:37	06/23/25 20:45	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/23/25 14:37	06/23/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*06/23/25 14:37*	*06/23/25 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		60		mg/Kg		06/23/25 12:40	06/23/25 17:36	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH03 0'

Date Collected: 06/18/25 09:45
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-7

Matrix: Solid

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		06/23/25 10:39	06/24/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*06/23/25 10:39*	*06/24/25 14:37*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		06/23/25 10:39	06/24/25 14:37	1
Ethylbenzene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 14:37	1
Toluene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 14:37	1
Xylenes, Total	ND		0.096		mg/Kg		06/23/25 10:39	06/24/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*06/23/25 10:39*	*06/24/25 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		9.1		mg/Kg		06/23/25 14:37	06/23/25 21:57	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		06/23/25 14:37	06/23/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*06/23/25 14:37*	*06/23/25 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5600**		60		mg/Kg		06/23/25 12:40	06/23/25 17:46	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH03 1'

Lab Sample ID: 885-27278-8

Date Collected: 06/18/25 09:48
Matrix: Solid
Date Received: 06/21/25 07:15

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		06/23/25 10:39	06/24/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*06/23/25 10:39*	*06/24/25 14:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:39	06/24/25 14:59	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 14:59	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 14:59	1
Xylenes, Total	ND		0.098		mg/Kg		06/23/25 10:39	06/24/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*06/23/25 10:39*	*06/24/25 14:59*	*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		06/23/25 14:37	06/23/25 22:21	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		06/23/25 14:37	06/23/25 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*06/23/25 14:37*	*06/23/25 22:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95**		60		mg/Kg		06/23/25 12:40	06/23/25 17:56	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH04 0'

Date Collected: 06/18/25 10:18
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-10

Matrix: Solid

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		06/23/25 10:39	06/24/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*06/23/25 10:39*	*06/24/25 15:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		06/23/25 10:39	06/24/25 15:21	1
Ethylbenzene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 15:21	1
Toluene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 15:21	1
Xylenes, Total	ND		0.096		mg/Kg		06/23/25 10:39	06/24/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*06/23/25 10:39*	*06/24/25 15:21*	*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		9.3		mg/Kg		06/23/25 14:37	06/23/25 23:09	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		06/23/25 14:37	06/23/25 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*06/23/25 14:37*	*06/23/25 23:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/23/25 12:40	06/23/25 18:07	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH04 1'

Date Collected: 06/18/25 10:20
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-11

Matrix: Solid

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		06/23/25 10:39	06/24/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*06/23/25 10:39*	*06/24/25 15:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		06/23/25 10:39	06/24/25 15:43	1
Ethylbenzene	ND		0.047		mg/Kg		06/23/25 10:39	06/24/25 15:43	1
Toluene	ND		0.047		mg/Kg		06/23/25 10:39	06/24/25 15:43	1
Xylenes, Total	ND		0.094		mg/Kg		06/23/25 10:39	06/24/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*06/23/25 10:39*	*06/24/25 15:43*	*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		06/23/25 14:37	06/23/25 23:33	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/23/25 14:37	06/23/25 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*06/23/25 14:37*	*06/23/25 23:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/23/25 12:40	06/23/25 18:17	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH05 0'

Lab Sample ID: 885-27278-12
Matrix: Solid
Date Collected: 06/18/25 10:23
Date Received: 06/21/25 07:15

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		06/23/25 10:39	06/24/25 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*06/23/25 10:39*	*06/24/25 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		06/23/25 10:39	06/24/25 16:05	1
Ethylbenzene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 16:05	1
Toluene	ND		0.048		mg/Kg		06/23/25 10:39	06/24/25 16:05	1
Xylenes, Total	ND		0.097		mg/Kg		06/23/25 10:39	06/24/25 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*06/23/25 10:39*	*06/24/25 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		9.6		mg/Kg		06/23/25 14:37	06/23/25 23:57	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		06/23/25 14:37	06/23/25 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*06/23/25 14:37*	*06/23/25 23:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/23/25 12:40	06/23/25 18:27	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH05 1'

Date Collected: 06/18/25 10:25
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-13

Matrix: Solid

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		06/23/25 10:39	06/24/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*06/23/25 10:39*	*06/24/25 16:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:39	06/24/25 16:48	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 16:48	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:39	06/24/25 16:48	1
Xylenes, Total	ND		0.098		mg/Kg		06/23/25 10:39	06/24/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*06/23/25 10:39*	*06/24/25 16:48*	*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		9.4		mg/Kg		06/23/25 14:37	06/24/25 00:21	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		06/23/25 14:37	06/24/25 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*06/23/25 14:37*	*06/24/25 00:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/23/25 12:40	06/23/25 18:58	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH06 0'

Date Collected: 06/18/25 10:35
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-14

Matrix: Solid

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		06/23/25 10:48	06/24/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*06/23/25 10:48*	*06/24/25 17:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:48	06/24/25 17:10	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:48	06/24/25 17:10	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:48	06/24/25 17:10	1
Xylenes, Total	ND		0.098		mg/Kg		06/23/25 10:48	06/24/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*06/23/25 10:48*	*06/24/25 17:10*	*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		06/23/25 14:37	06/24/25 00:45	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		06/23/25 14:37	06/24/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*06/23/25 14:37*	*06/24/25 00:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		60		mg/Kg		06/23/25 12:40	06/23/25 19:09	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH06 1'

Date Collected: 06/18/25 10:38
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-15

Matrix: Solid

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		06/23/25 10:48	06/24/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*06/23/25 10:48*	*06/24/25 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		06/23/25 10:48	06/24/25 17:32	1
Ethylbenzene	ND		0.049		mg/Kg		06/23/25 10:48	06/24/25 17:32	1
Toluene	ND		0.049		mg/Kg		06/23/25 10:48	06/24/25 17:32	1
Xylenes, Total	ND		0.097		mg/Kg		06/23/25 10:48	06/24/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*06/23/25 10:48*	*06/24/25 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		9.7		mg/Kg		06/23/25 14:37	06/24/25 01:09	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/23/25 14:37	06/24/25 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*06/23/25 14:37*	*06/24/25 01:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		60		mg/Kg		06/23/25 12:40	06/23/25 19:19	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH07 0'

Date Collected: 06/18/25 10:44
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-16

Matrix: Solid

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		06/23/25 15:15	06/25/25 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*06/23/25 15:15*	*06/25/25 03:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 15:15	06/25/25 03:53	1
Ethylbenzene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 03:53	1
Toluene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 03:53	1
Xylenes, Total	ND		0.099		mg/Kg		06/23/25 15:15	06/25/25 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*06/23/25 15:15*	*06/25/25 03:53*	*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		9.9		mg/Kg		06/30/25 11:29	06/30/25 15:26	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		06/30/25 11:29	06/30/25 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*06/30/25 11:29*	*06/30/25 15:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/24/25 06:30	06/24/25 14:54	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH07 1'

Date Collected: 06/18/25 10:48
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-17

Matrix: Solid

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		06/23/25 15:15	06/25/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*06/23/25 15:15*	*06/25/25 05:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 15:15	06/25/25 05:04	1
Ethylbenzene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 05:04	1
Toluene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 05:04	1
Xylenes, Total	ND		0.10		mg/Kg		06/23/25 15:15	06/25/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*06/23/25 15:15*	*06/25/25 05:04*	*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		9.4		mg/Kg		06/30/25 11:29	06/30/25 15:37	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		06/30/25 11:29	06/30/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*06/30/25 11:29*	*06/30/25 15:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		06/24/25 06:30	06/24/25 15:04	20

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: MB 885-28815/1-A
Matrix: Solid
Analysis Batch: 28873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28815

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		06/23/25 10:39	06/24/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*06/23/25 10:39*	*06/24/25 11:21*	*1*

Lab Sample ID: LCS 885-28815/2-A
Matrix: Solid
Analysis Batch: 28873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28815

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	22.6		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*15 - 150*

Lab Sample ID: 885-27278-1 MS
Matrix: Solid
Analysis Batch: 28873

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 28815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	23.0		mg/Kg		93	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*221*		*15 - 150*

Lab Sample ID: 885-27278-1 MSD
Matrix: Solid
Analysis Batch: 28873

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 28815

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		24.6	22.6		mg/Kg		92	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*223*		*15 - 150*

Lab Sample ID: MB 885-28840/1-A
Matrix: Solid
Analysis Batch: 28943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28840

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		06/23/25 15:15	06/25/25 03:29	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: MB 885-28840/1-A
Matrix: Solid
Analysis Batch: 28943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28840

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150	06/23/25 15:15	06/25/25 03:29	1

Lab Sample ID: LCS 885-28840/2-A
Matrix: Solid
Analysis Batch: 28943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28840

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	20.2		mg/Kg		81	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	200		15 - 150

Lab Sample ID: 885-27278-16 MS
Matrix: Solid
Analysis Batch: 28943

Client Sample ID: BH07 0'
Prep Type: Total/NA
Prep Batch: 28840

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	20.7		mg/Kg		83	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	198		15 - 150

Lab Sample ID: 885-27278-16 MSD
Matrix: Solid
Analysis Batch: 28943

Client Sample ID: BH07 0'
Prep Type: Total/NA
Prep Batch: 28840

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		24.8	18.5		mg/Kg		74	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	189		15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-28815/1-A
Matrix: Solid
Analysis Batch: 28874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28815

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 10:39	06/24/25 11:21	1
Ethylbenzene	ND		0.050		mg/Kg		06/23/25 10:39	06/24/25 11:21	1
Toluene	ND		0.050		mg/Kg		06/23/25 10:39	06/24/25 11:21	1
Xylenes, Total	ND		0.10		mg/Kg		06/23/25 10:39	06/24/25 11:21	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: MB 885-28815/1-A
Matrix: Solid
Analysis Batch: 28874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28815

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 150	06/23/25 10:39	06/24/25 11:21	1

Lab Sample ID: LCS 885-28815/3-A
Matrix: Solid
Analysis Batch: 28874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.907		mg/Kg		91	70 - 130
Ethylbenzene	1.00	0.935		mg/Kg		93	70 - 130
Toluene	1.00	0.906		mg/Kg		91	70 - 130
m,p-Xylene	2.00	1.89		mg/Kg		94	70 - 130
o-Xylene	1.00	0.945		mg/Kg		95	70 - 130
Xylenes, Total	3.00	2.84		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		15 - 150

Lab Sample ID: 885-27278-2 MS
Matrix: Solid
Analysis Batch: 28874

Client Sample ID: BH01 1'
Prep Type: Total/NA
Prep Batch: 28815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND	F2	0.989	0.973		mg/Kg		98	70 - 130
Ethylbenzene	ND	F2	0.989	1.02		mg/Kg		103	70 - 130
Toluene	ND	F2	0.989	0.978		mg/Kg		99	70 - 130
m,p-Xylene	ND	F2	1.98	2.04		mg/Kg		103	70 - 130
o-Xylene	ND	F2	0.989	1.02		mg/Kg		103	70 - 130
Xylenes, Total	ND	F2	2.97	3.06		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		15 - 150

Lab Sample ID: 885-27278-2 MSD
Matrix: Solid
Analysis Batch: 28874

Client Sample ID: BH01 1'
Prep Type: Total/NA
Prep Batch: 28815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND	F2	0.985	0.715	F2	mg/Kg		73	70 - 130	31	20
Ethylbenzene	ND	F2	0.985	0.721	F2	mg/Kg		73	70 - 130	34	20
Toluene	ND	F2	0.985	0.698	F2	mg/Kg		71	70 - 130	33	20
m,p-Xylene	ND	F2	1.97	1.46	F2	mg/Kg		74	70 - 130	33	20
o-Xylene	ND	F2	0.985	0.721	F2	mg/Kg		73	70 - 130	34	20
Xylenes, Total	ND	F2	2.96	2.18	F2	mg/Kg		74	70 - 130	33	20

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

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: MB 885-28840/1-A
Matrix: Solid
Analysis Batch: 28942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28840

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		06/23/25 15:15	06/25/25 03:29	1
Ethylbenzene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 03:29	1
Toluene	ND		0.050		mg/Kg		06/23/25 15:15	06/25/25 03:29	1
Xylenes, Total	ND		0.10		mg/Kg		06/23/25 15:15	06/25/25 03:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*06/23/25 15:15*	*06/25/25 03:29*	*1*

Lab Sample ID: LCS 885-28840/3-A
Matrix: Solid
Analysis Batch: 28942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28840

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.951		mg/Kg		95	70 - 130		
Ethylbenzene			1.00	0.961		mg/Kg		96	70 - 130		
Toluene			1.00	0.945		mg/Kg		94	70 - 130		
m,p-Xylene			2.00	2.03		mg/Kg		101	70 - 130		
o-Xylene			1.00	0.983		mg/Kg		98	70 - 130		
Xylenes, Total			3.00	3.01		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*

Lab Sample ID: 885-27278-17 MS
Matrix: Solid
Analysis Batch: 28942

Client Sample ID: BH07 1'
Prep Type: Total/NA
Prep Batch: 28840

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.996	0.966		mg/Kg		97	70 - 130		
Ethylbenzene	ND		0.996	0.977		mg/Kg		98	70 - 130		
Toluene	ND		0.996	0.978		mg/Kg		98	70 - 130		
m,p-Xylene	ND		1.99	2.07		mg/Kg		104	70 - 130		
o-Xylene	ND		0.996	0.994		mg/Kg		100	70 - 130		
Xylenes, Total	ND		2.99	3.06		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*

Lab Sample ID: 885-27278-17 MSD
Matrix: Solid
Analysis Batch: 28942

Client Sample ID: BH07 1'
Prep Type: Total/NA
Prep Batch: 28840

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.992	0.944		mg/Kg		95	70 - 130	2	20
Ethylbenzene	ND		0.992	0.970		mg/Kg		98	70 - 130	1	20
Toluene	ND		0.992	0.956		mg/Kg		96	70 - 130	2	20
m,p-Xylene	ND		1.98	2.04		mg/Kg		103	70 - 130	1	20
o-Xylene	ND		0.992	0.962		mg/Kg		97	70 - 130	3	20

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: 885-27278-17 MSD — **Client Sample ID: BH07 1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28942 — **Prep Batch: 28840**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	ND		2.98	3.00		mg/Kg		101	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*

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

Lab Sample ID: MB 885-28834/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28809 — **Prep Batch: 28834**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		06/23/25 14:37	06/23/25 16:23	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		06/23/25 14:37	06/23/25 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*06/23/25 14:37*	*06/23/25 16:23*	*1*

Lab Sample ID: LCS 885-28834/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28809 — **Prep Batch: 28834**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	44.3		mg/Kg		89	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*

Lab Sample ID: 885-27278-15 MS — **Client Sample ID: BH06 1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28809 — **Prep Batch: 28834**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.3	40.1		mg/Kg		85	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*

Lab Sample ID: 885-27278-15 MSD — **Client Sample ID: BH06 1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28809 — **Prep Batch: 28834**

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		46.3	38.2		mg/Kg		82	44 - 136	5	32

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

Lab Sample ID: 885-27278-15 MSD
Matrix: Solid
Analysis Batch: 28809

Client Sample ID: BH06 1'
Prep Type: Total/NA
Prep Batch: 28834

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*

Lab Sample ID: MB 885-29269/1-A
Matrix: Solid
Analysis Batch: 29247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29269

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		06/30/25 11:29	06/30/25 13:50	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		06/30/25 11:29	06/30/25 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*06/30/25 11:29*	*06/30/25 13:50*	*1*

Lab Sample ID: LCS 885-29269/2-A
Matrix: Solid
Analysis Batch: 29247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	47.7		mg/Kg		95	51 - 148		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-28826/1-A
Matrix: Solid
Analysis Batch: 28832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28826

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		06/23/25 12:40	06/23/25 14:50	1

Lab Sample ID: LCS 885-28826/2-A
Matrix: Solid
Analysis Batch: 28832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28826

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	28.9		mg/Kg		96	90 - 110		

Lab Sample ID: MB 885-28837/1-A
Matrix: Solid
Analysis Batch: 28852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28837

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		06/24/25 06:30	06/24/25 07:41	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-28837/2-A
Matrix: Solid
Analysis Batch: 28852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.7		mg/Kg		98	90 - 110		

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

GC VOA

Prep Batch: 28815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	5030C	
885-27278-2	BH01 1'	Total/NA	Solid	5030C	
885-27278-4	BH02 0'	Total/NA	Solid	5030C	
885-27278-5	BH02 1'	Total/NA	Solid	5030C	
885-27278-7	BH03 0'	Total/NA	Solid	5030C	
885-27278-8	BH03 1'	Total/NA	Solid	5030C	
885-27278-10	BH04 0'	Total/NA	Solid	5030C	
885-27278-11	BH04 1'	Total/NA	Solid	5030C	
885-27278-12	BH05 0'	Total/NA	Solid	5030C	
885-27278-13	BH05 1'	Total/NA	Solid	5030C	
885-27278-14	BH06 0'	Total/NA	Solid	5030C	
885-27278-15	BH06 1'	Total/NA	Solid	5030C	
MB 885-28815/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-28815/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-28815/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-27278-1 MS	BH01 0'	Total/NA	Solid	5030C	
885-27278-1 MSD	BH01 0'	Total/NA	Solid	5030C	
885-27278-2 MS	BH01 1'	Total/NA	Solid	5030C	
885-27278-2 MSD	BH01 1'	Total/NA	Solid	5030C	

Prep Batch: 28840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	5030C	
885-27278-17	BH07 1'	Total/NA	Solid	5030C	
MB 885-28840/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-28840/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-28840/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-27278-16 MS	BH07 0'	Total/NA	Solid	5030C	
885-27278-16 MSD	BH07 0'	Total/NA	Solid	5030C	
885-27278-17 MS	BH07 1'	Total/NA	Solid	5030C	
885-27278-17 MSD	BH07 1'	Total/NA	Solid	5030C	

Analysis Batch: 28873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	8015M/D	28815
885-27278-2	BH01 1'	Total/NA	Solid	8015M/D	28815
885-27278-4	BH02 0'	Total/NA	Solid	8015M/D	28815
885-27278-5	BH02 1'	Total/NA	Solid	8015M/D	28815
885-27278-7	BH03 0'	Total/NA	Solid	8015M/D	28815
885-27278-8	BH03 1'	Total/NA	Solid	8015M/D	28815
885-27278-10	BH04 0'	Total/NA	Solid	8015M/D	28815
885-27278-11	BH04 1'	Total/NA	Solid	8015M/D	28815
885-27278-12	BH05 0'	Total/NA	Solid	8015M/D	28815
885-27278-13	BH05 1'	Total/NA	Solid	8015M/D	28815
885-27278-14	BH06 0'	Total/NA	Solid	8015M/D	28815
885-27278-15	BH06 1'	Total/NA	Solid	8015M/D	28815
MB 885-28815/1-A	Method Blank	Total/NA	Solid	8015M/D	28815
LCS 885-28815/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	28815
885-27278-1 MS	BH01 0'	Total/NA	Solid	8015M/D	28815
885-27278-1 MSD	BH01 0'	Total/NA	Solid	8015M/D	28815

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

GC VOA

Analysis Batch: 28874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	8021B	28815
885-27278-2	BH01 1'	Total/NA	Solid	8021B	28815
885-27278-4	BH02 0'	Total/NA	Solid	8021B	28815
885-27278-5	BH02 1'	Total/NA	Solid	8021B	28815
885-27278-7	BH03 0'	Total/NA	Solid	8021B	28815
885-27278-8	BH03 1'	Total/NA	Solid	8021B	28815
885-27278-10	BH04 0'	Total/NA	Solid	8021B	28815
885-27278-11	BH04 1'	Total/NA	Solid	8021B	28815
885-27278-12	BH05 0'	Total/NA	Solid	8021B	28815
885-27278-13	BH05 1'	Total/NA	Solid	8021B	28815
885-27278-14	BH06 0'	Total/NA	Solid	8021B	28815
885-27278-15	BH06 1'	Total/NA	Solid	8021B	28815
MB 885-28815/1-A	Method Blank	Total/NA	Solid	8021B	28815
LCS 885-28815/3-A	Lab Control Sample	Total/NA	Solid	8021B	28815
885-27278-2 MS	BH01 1'	Total/NA	Solid	8021B	28815
885-27278-2 MSD	BH01 1'	Total/NA	Solid	8021B	28815

Analysis Batch: 28942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	8021B	28840
885-27278-17	BH07 1'	Total/NA	Solid	8021B	28840
MB 885-28840/1-A	Method Blank	Total/NA	Solid	8021B	28840
LCS 885-28840/3-A	Lab Control Sample	Total/NA	Solid	8021B	28840
885-27278-17 MS	BH07 1'	Total/NA	Solid	8021B	28840
885-27278-17 MSD	BH07 1'	Total/NA	Solid	8021B	28840

Analysis Batch: 28943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	8015M/D	28840
885-27278-17	BH07 1'	Total/NA	Solid	8015M/D	28840
MB 885-28840/1-A	Method Blank	Total/NA	Solid	8015M/D	28840
LCS 885-28840/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	28840
885-27278-16 MS	BH07 0'	Total/NA	Solid	8015M/D	28840
885-27278-16 MSD	BH07 0'	Total/NA	Solid	8015M/D	28840

GC Semi VOA

Analysis Batch: 28809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	8015M/D	28834
885-27278-2	BH01 1'	Total/NA	Solid	8015M/D	28834
885-27278-4	BH02 0'	Total/NA	Solid	8015M/D	28834
885-27278-5	BH02 1'	Total/NA	Solid	8015M/D	28834
885-27278-7	BH03 0'	Total/NA	Solid	8015M/D	28834
885-27278-8	BH03 1'	Total/NA	Solid	8015M/D	28834
885-27278-10	BH04 0'	Total/NA	Solid	8015M/D	28834
885-27278-11	BH04 1'	Total/NA	Solid	8015M/D	28834
885-27278-12	BH05 0'	Total/NA	Solid	8015M/D	28834
885-27278-13	BH05 1'	Total/NA	Solid	8015M/D	28834
885-27278-14	BH06 0'	Total/NA	Solid	8015M/D	28834
885-27278-15	BH06 1'	Total/NA	Solid	8015M/D	28834

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

GC Semi VOA (Continued)

Analysis Batch: 28809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-28834/1-A	Method Blank	Total/NA	Solid	8015M/D	28834
LCS 885-28834/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	28834
885-27278-15 MS	BH06 1'	Total/NA	Solid	8015M/D	28834
885-27278-15 MSD	BH06 1'	Total/NA	Solid	8015M/D	28834

Prep Batch: 28834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	SHAKE	
885-27278-2	BH01 1'	Total/NA	Solid	SHAKE	
885-27278-4	BH02 0'	Total/NA	Solid	SHAKE	
885-27278-5	BH02 1'	Total/NA	Solid	SHAKE	
885-27278-7	BH03 0'	Total/NA	Solid	SHAKE	
885-27278-8	BH03 1'	Total/NA	Solid	SHAKE	
885-27278-10	BH04 0'	Total/NA	Solid	SHAKE	
885-27278-11	BH04 1'	Total/NA	Solid	SHAKE	
885-27278-12	BH05 0'	Total/NA	Solid	SHAKE	
885-27278-13	BH05 1'	Total/NA	Solid	SHAKE	
885-27278-14	BH06 0'	Total/NA	Solid	SHAKE	
885-27278-15	BH06 1'	Total/NA	Solid	SHAKE	
MB 885-28834/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-28834/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-27278-15 MS	BH06 1'	Total/NA	Solid	SHAKE	
885-27278-15 MSD	BH06 1'	Total/NA	Solid	SHAKE	

Analysis Batch: 29247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	8015M/D	29269
885-27278-17	BH07 1'	Total/NA	Solid	8015M/D	29269
MB 885-29269/1-A	Method Blank	Total/NA	Solid	8015M/D	29269
LCS 885-29269/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	29269

Prep Batch: 29269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	SHAKE	
885-27278-17	BH07 1'	Total/NA	Solid	SHAKE	
MB 885-29269/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-29269/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 28826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	300_Prep	
885-27278-2	BH01 1'	Total/NA	Solid	300_Prep	
885-27278-4	BH02 0'	Total/NA	Solid	300_Prep	
885-27278-5	BH02 1'	Total/NA	Solid	300_Prep	
885-27278-7	BH03 0'	Total/NA	Solid	300_Prep	
885-27278-8	BH03 1'	Total/NA	Solid	300_Prep	
885-27278-10	BH04 0'	Total/NA	Solid	300_Prep	
885-27278-11	BH04 1'	Total/NA	Solid	300_Prep	
885-27278-12	BH05 0'	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

HPLC/IC (Continued)

Prep Batch: 28826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-13	BH05 1'	Total/NA	Solid	300_Prep	
885-27278-14	BH06 0'	Total/NA	Solid	300_Prep	
885-27278-15	BH06 1'	Total/NA	Solid	300_Prep	
MB 885-28826/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-28826/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 28832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-1	BH01 0'	Total/NA	Solid	300.0	28826
885-27278-2	BH01 1'	Total/NA	Solid	300.0	28826
885-27278-4	BH02 0'	Total/NA	Solid	300.0	28826
885-27278-5	BH02 1'	Total/NA	Solid	300.0	28826
885-27278-7	BH03 0'	Total/NA	Solid	300.0	28826
885-27278-8	BH03 1'	Total/NA	Solid	300.0	28826
885-27278-10	BH04 0'	Total/NA	Solid	300.0	28826
885-27278-11	BH04 1'	Total/NA	Solid	300.0	28826
885-27278-12	BH05 0'	Total/NA	Solid	300.0	28826
885-27278-13	BH05 1'	Total/NA	Solid	300.0	28826
885-27278-14	BH06 0'	Total/NA	Solid	300.0	28826
885-27278-15	BH06 1'	Total/NA	Solid	300.0	28826
MB 885-28826/1-A	Method Blank	Total/NA	Solid	300.0	28826
LCS 885-28826/2-A	Lab Control Sample	Total/NA	Solid	300.0	28826

Prep Batch: 28837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	300_Prep	
885-27278-17	BH07 1'	Total/NA	Solid	300_Prep	
MB 885-28837/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-28837/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 28852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27278-16	BH07 0'	Total/NA	Solid	300.0	28837
885-27278-17	BH07 1'	Total/NA	Solid	300.0	28837
MB 885-28837/1-A	Method Blank	Total/NA	Solid	300.0	28837
LCS 885-28837/2-A	Lab Control Sample	Total/NA	Solid	300.0	28837

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH01 0'

Lab Sample ID: 885-27278-1
Matrix: Solid
Date Collected: 06/18/25 09:00
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 11:43
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 11:43
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 19:10
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:04

Client Sample ID: BH01 1'

Lab Sample ID: 885-27278-2
Matrix: Solid
Date Collected: 06/18/25 09:02
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 12:49
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 12:49
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 19:34
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:15

Client Sample ID: BH02 0'

Lab Sample ID: 885-27278-4
Matrix: Solid
Date Collected: 06/18/25 09:20
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 13:54
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 13:54
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 20:21
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:25

Client Sample ID: BH02 1'

Lab Sample ID: 885-27278-5
Matrix: Solid
Date Collected: 06/18/25 09:24
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 14:16

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH02 1'

Lab Sample ID: 885-27278-5
Matrix: Solid
Date Collected: 06/18/25 09:24
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 14:16
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 20:45
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:36

Client Sample ID: BH03 0'

Lab Sample ID: 885-27278-7
Matrix: Solid
Date Collected: 06/18/25 09:45
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 14:37
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 14:37
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 21:57
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:46

Client Sample ID: BH03 1'

Lab Sample ID: 885-27278-8
Matrix: Solid
Date Collected: 06/18/25 09:48
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 14:59
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 14:59
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 22:21
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 17:56

Client Sample ID: BH04 0'

Lab Sample ID: 885-27278-10
Matrix: Solid
Date Collected: 06/18/25 10:18
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 15:21
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 15:21

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH04 0'

Lab Sample ID: 885-27278-10
Matrix: Solid
Date Collected: 06/18/25 10:18
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 23:09
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 18:07

Client Sample ID: BH04 1'

Lab Sample ID: 885-27278-11
Matrix: Solid
Date Collected: 06/18/25 10:20
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 15:43
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 15:43
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 23:33
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 18:17

Client Sample ID: BH05 0'

Lab Sample ID: 885-27278-12
Matrix: Solid
Date Collected: 06/18/25 10:23
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 16:05
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 16:05
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/23/25 23:57
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 18:27

Client Sample ID: BH05 1'

Lab Sample ID: 885-27278-13
Matrix: Solid
Date Collected: 06/18/25 10:25
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 16:48
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:39
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 16:48
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/24/25 00:21

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH05 1'

Lab Sample ID: 885-27278-13
Matrix: Solid
Date Collected: 06/18/25 10:25
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 18:58

Client Sample ID: BH06 0'

Lab Sample ID: 885-27278-14
Matrix: Solid
Date Collected: 06/18/25 10:35
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:48
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 17:10
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:48
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 17:10
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/24/25 00:45
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 19:09

Client Sample ID: BH06 1'

Lab Sample ID: 885-27278-15
Matrix: Solid
Date Collected: 06/18/25 10:38
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:48
Total/NA	Analysis	8015M/D		1	28873	AT	EET ALB	06/24/25 17:32
Total/NA	Prep	5030C			28815	CM	EET ALB	06/23/25 10:48
Total/NA	Analysis	8021B		1	28874	AT	EET ALB	06/24/25 17:32
Total/NA	Prep	SHAKE			28834	MI	EET ALB	06/23/25 14:37
Total/NA	Analysis	8015M/D		1	28809	EM	EET ALB	06/24/25 01:09
Total/NA	Prep	300_Prep			28826	KB	EET ALB	06/23/25 12:40
Total/NA	Analysis	300.0		20	28832	MA	EET ALB	06/23/25 19:19

Client Sample ID: BH07 0'

Lab Sample ID: 885-27278-16
Matrix: Solid
Date Collected: 06/18/25 10:44
Date Received: 06/21/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28840	CM	EET ALB	06/23/25 15:15
Total/NA	Analysis	8015M/D		1	28943	JP	EET ALB	06/25/25 03:53
Total/NA	Prep	5030C			28840	CM	EET ALB	06/23/25 15:15
Total/NA	Analysis	8021B		1	28942	JP	EET ALB	06/25/25 03:53
Total/NA	Prep	SHAKE			29269	EM	EET ALB	06/30/25 11:29
Total/NA	Analysis	8015M/D		1	29247	EM	EET ALB	06/30/25 15:26
Total/NA	Prep	300_Prep			28837	MA	EET ALB	06/24/25 06:30
Total/NA	Analysis	300.0		20	28852	MA	EET ALB	06/24/25 14:54

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

Client Sample ID: BH07 1'

Date Collected: 06/18/25 10:48
Date Received: 06/21/25 07:15

Lab Sample ID: 885-27278-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			28840	CM	EET ALB	06/23/25 15:15
Total/NA	Analysis	8015M/D		1	28943	JP	EET ALB	06/25/25 05:04
Total/NA	Prep	5030C			28840	CM	EET ALB	06/23/25 15:15
Total/NA	Analysis	8021B		1	28942	JP	EET ALB	06/25/25 05:04
Total/NA	Prep	SHAKE			29269	EM	EET ALB	06/30/25 11:29
Total/NA	Analysis	8015M/D		1	29247	EM	EET ALB	06/30/25 15:37
Total/NA	Prep	300_Prep			28837	MA	EET ALB	06/24/25 06:30
Total/NA	Analysis	300.0		20	28852	MA	EET ALB	06/24/25 15:04

Laboratory References:

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

Accreditation/Certification Summary

Client: Devon Energy Corporation
Project/Site: Aleutian 10 CTB 3

Job ID: 885-27278-1

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

1 of 2

Chain-of-Custody Record

Client: Devon Energy
Jim Raley
Mailing Address:

Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☑ Rush 5 Day
Project Name: Aleutian 10 CTB 3
Project #: 2507-10049
Project Manager: Monica Peppin
Sampler: MJP
On Ice: ☑ Yes ☐ No MJP
# of Coolers: 1
Cooler Temp(including CF): 5.8+0.2=6.0 (°C)

HALL ENVIRONM
ANALYSIS LABOF
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 871
Tel. 505-345-3975 Fax 505-345-4107

885-27278 COC

7/1/2025

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/18	9:00	Soil	BH01 0'	402	ice		✓	✓					✓			
	9:02		1'				✓	✓					✓			
	9:05		2'				PLEASE HOLD									
	9:20		BH02 0'				✓	✓					✓			
	9:24		1'				✓	✓					✓			
	9:25		2'				PLEASE HOLD									
	9:45		BH03 0				✓	✓					✓			
	9:48		1				✓	✓					✓			
	9:52		2				PLEASE HOLD									
	10:18		BH04 0				✓	✓					✓			
	10:20		1				✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/20/25	1120				6/20/25	1120
Date:	Time:	Relinquished by:	Received by:	Via: courier	Date	Time
6/20/25	1900				6/21/25	715

Remarks: Direct Bill Devon CC: M Peppin
W/O# 21598185 results include table results

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

Login Sample Receipt Checklist

Client: Devon Energy Corporation Job Number: 885-27278-1

Login Number: 27278 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

APPENDIX F

CORRESPONDENCE

Outlook

RE: [EXTERNAL] nAPP2514057783 Aleutian 10 CTB 3 Remediation Extension Request

From Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Date Mon 2025-08-18 1:10 PM
To Monica Peppin <Monica.Peppin@kljeng.com>
Cc Will Harmon <will.harmon@kljeng.com>; Raley, Jim <jim.raley@dvn.com>

Your time extension request is approved. Remediation Due date has been updated to September 17, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, August 18, 2025 11:38 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] nAPP2514057783 Aleutian 10 CTB 3 Remediation Extension Request

From: Monica Peppin <Monica.Peppin@kljeng.com>
Sent: Monday, August 18, 2025 10:28 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Will Harmon <will.harmon@kljeng.com>; Raley, Jim <jim.raley@dvn.com>
Subject: [EXTERNAL] nAPP2514057783 Aleutian 10 CTB 3 Remediation Extension Request

To the Regulatory Staff of EMNRD – Oil Conservation Division:

On behalf of Devon Energy Production Company, LP, I am requesting a 30/60-day extension for submission of the Remediation Work Plan associated with Incident ID nAPP2514057783 at the Aleutian 10 CTB 3 (fAPP2129451365).

The remediation work plan is underway; however, due to staff scheduling and coordination demands, we were unable to finalize the submittal by the current deadline of today, August 18, 2025. Additional time is needed to ensure the plan is complete and fully compliant with NMAC 19.15.29 requirements.

We respectfully request that the revised submittal date be extended to September 17, 2025, or October 17, 2025. Please let us know if this request is acceptable or if further information is required.

Thank you for your time and consideration.

Monica Peppin

Monica Peppin, A.S.
Environmental Specialist II
KLJ
575-213-9010 Direct
575-909-3418 Cell
Carlsbad, NM 88220
kljeng.com

Book time to meet with me

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 507207

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514057783**
Incident Name	**NAPP2514057783 ALEUTIAN 10 CTB 3 @ FAPP2129451356**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2129451356] ALEUTIAN 10 CTB 3**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ALEUTIAN 10 CTB 3
Date Release Discovered	05/20/2025
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 | Flow Line - Production | Produced Water | Released: 8 BBL | Recovered: 0 BBL | Lost: 8 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 developed on main water dumpline. This allowed the release of approx. 8 bbls to pad surface. No fluids recovered.

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	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@dvn.com Date: 09/18/2025

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between 1 and 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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	8900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	10/12/2025
On what date will (or did) the final sampling or liner inspection occur	11/01/2025
On what date will (or was) the remediation complete(d)	12/01/2025
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	613
What is the estimated volume (in cubic yards) that will be remediated	23
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	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.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/18/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	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 (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 507207
	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

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CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 507207
	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. 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. The work will need to occur in 90 days after the work plan has been reviewed.	12/8/2025