February 24, 2026

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

SUBJECT: Remediation Work Plan and Variance Request for North Thistle Pipeline Release

Incident ID: nAPP2534637768
Lease ID: V029180001
Facility Location: Unit C of Section 22, Township 23 South, Range 33 East
GPS Coordinates: 32.294024, -103.564158
Lea County, New Mexico

Objective

KLJ Engineering (KLJ), on behalf of Devon Energy Production Company, LP (Devon), has prepared this variance request and remediation work plan in support of remediation activities for a produced water release that occurred on December 3, 2025, at the North Thistle Pipeline (Site).

This document outlines:

- Summary of initial characterization activities
- Proposed additional characterization activities
- Sampling and reporting activities
- 120-day implementation schedule
- Variance request related to POD distance requirement

Site Information and Background

The Site is located approximately 21.73 miles east of Eunice, New Mexico, on New Mexico State Land Office (NMSLO) property. The Site lies within Unit C, Section 22, Township 23 South, Range 33 East, in Lea 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 December 3, 2025, a leak was discovered on the produced water pipeline riser within the right-of-way, resulting in the release of approximately 17 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 contain and 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 Oil Conservation Division (NMOCD) on December 12, 2025, via the Operator's Electronic Permitting and Payment Portal. Devon notified NMSLO via email the same day. The initial Form C-141 was subsequently submitted to NMOCD on December 15, 2025.

Closure Criteria Determination

The Site is located within Quaternary eolian and alluvial deposits (Qe/Qp). Terrain for the Site and immediate surrounding area includes uplands, plains, dunes, fan piedmonts, and interdunal areas at elevations of 2,800 – 5,000 feet. Parent material consists of mixed alluvium and/or eolian sands derived from sedimentary rock, with 8–13 inches of average annual precipitation. Soil within the Site tends to be well-drained, with negligible runoff potential, high capacity to transmit water at the most limiting layer, and low water-holding capacity.

The USDA – Web Soil Survey (WSS) identifies the predominant soil type at the Site as Pyote and Maljamar 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. Perennial and annual forbs are common, but their abundance and distribution are reflective of precipitation. 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 1.18 miles east; the closest playa lake and wetlands is 2.63 miles east (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-04664-POD1, located 0.66 miles to the northeast. The POD is identified as a monitoring well/temporary borehole used to determine depth to groundwater (DTGW). 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-03582-POD1, is located 1.38 miles northeast of the Site.

Additional data obtained from the NMOSE POD Map indicates that groundwater depths within the surrounding area consistently exceed 55 feet bgs. A buffer search for the North Thistle Pipeline Project was completed at 0.5, 1.0, and 1.5-mile radii to identify nearby PODs. No wells were identified within 0.5-mile. Within 1.5 miles, three additional monitoring wells were located: C-04963-POD1 (0.81 miles to the south; static water level is recorded as 70 feet bgs); C-04929-POD1 (1.18 miles to the southeast; total depth 55 feet bgs; no groundwater encountered); and C-05047-POD1 (1.26 miles to the southwest; depth report pending).

The Site is not within a karst potential zone, with the nearest area of medium karst potential located 13.8 miles to the south. The Site is in a FEMA flood hazard area identified as FEMA Zone D (undetermined hazard); the nearest identified FEMA flood hazard area, classified as Zone A, Is 16.1 miles to the southwest.

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 DTGW less than 50 feet bgs. Supporting documentation is provided in **Appendix B**.

Table 1: Release Information and Closure Criteria Limits			
Depth to Ground Water Determination: <50 feet bgs			
Site Name	North Thistle Pipeline	Company	Devon Energy Production Company, LP
Facility ID/API Number	Pipeline Right-of-Way	PLSS/GPS	C-22-23S-33E 32.294024, -103.564158
Lease ID	V02818001	Land Status	State Land Office
Incident ID	nAPP2534637768	Date Of Release	12/3/2025
Source of Release	Leak on the riser of the produced water line	Volume Released/Recovered	17 bbls/0 bbls PW
Specific Features	No well within 0.5-mile radius; No surface water within proximity; Nonkarst Zone and FEMA Zone D		

Initial Delineation Activities

KLJ visited the site on December 3, 2025, to collect photographs of the spill and to document visible impacts. The extent of visible spill impacts and discoloration was recorded through site photographs and flagging. Photographs and field notes documenting the site conditions during the December 3, 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 December 22, 2025 and December 23, 2025, KLJ returned to the site to conduct initial characterization of the impacted area. Borehole samples were collected in and around the release area with the use of a telescoping hand auger. The depth of each borehole was sampled to the deepest allowable depth or refusal layer. An aerial photograph and site schematic of the spill investigation and sampling area is included in **Appendix A**. Field notes and photographs for the two site visits are included in **Appendix D.**

A total of 33 soil samples were collected at one-foot depth intervals, beginning at the surface and moving downward. 11 impact delineation samples were collected at two-foot depth intervals, 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 and/or titration. A summary of field screening values for each sample are included in Table 2 (**Appendix C**).

Analytical results from the initial characterization confirmed that the maximum detected chloride concentrations within the sampled depth intervals exceed applicable closure criteria. For many sampling locations, the deepest samples collected during the initial investigation remained above regulatory standards, indicating that the vertical extent of impacts had not yet been fully defined.

On January 13 through 15, 2026, a trackhoe was mobilized to the Site to advance samples vertically with test pits within and surrounding the release area. A total of 45 soil samples were collected at four-foot depth intervals and submitted to a certified laboratory for analysis in accordance with 19.15.29 NMAC requirements. The additional test pit locations and associated samples further refined and confirmed the horizontal extent of impacts; however, due to equipment reach limitations and sloughing conditions within the sandy subsurface materials, the full vertical extent of contamination could not be achieved.

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 reports are included in **Appendix E**.

Proposed Remediation Activities

Based on the analytical and field screening results for the collected samples, additional investigative activities are required. As described above, the vertical depth that can be reached using heavy equipment to advance test pits is limited; therefore, further vertical investigation will need to be conducted using a GeoProbe direct push sampler or soil boring equipment. Once clean soil is encountered and all impacts have been successfully delineated, as indicated by analytical results, 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 underground flowlines; within this zone, excavation will be performed manually to avoid damage to equipment, underground utilities, or electrical infrastructure.

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 NMSLO 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.

Variance Request

Pursuant to 19.15.29 NMAC, approval of a variance is requested for the following:

- Acceptance of the DTGW determination based on POD C-04664-POD1 and nearby monitoring wells;
- Approval of a 120-day completion timeframe.

Site-specific criteria research and local DTGW determinations, as detailed in the Closure Criteria Determination section, indicate that groundwater in the vicinity of the Site occurs at depths greater than 50 feet bgs. Although no wells are located within a 0.5-mile radius of the Site, groundwater depth documentation supports application of the 51–100 foot closure criteria thresholds. Accordingly, KLJ requests application of the 51–100 foot closure criteria for this remediation project and for evaluation of project success.

In order to allow sufficient time to complete characterization, remediation, and reporting activities, a 120-day timeline is formally requested.

KLJ Engineering, on behalf of Devon Energy Production Company, respectfully requests approval to conduct the proposed remediation activities at the North Thistle Pipeline site (Incident ID nAPP2534637768).

Submitted and prepared by:
KLJ Engineering

Written By
Name: Monica Peppin
Title: Environmental Specialist II
Signature: _____

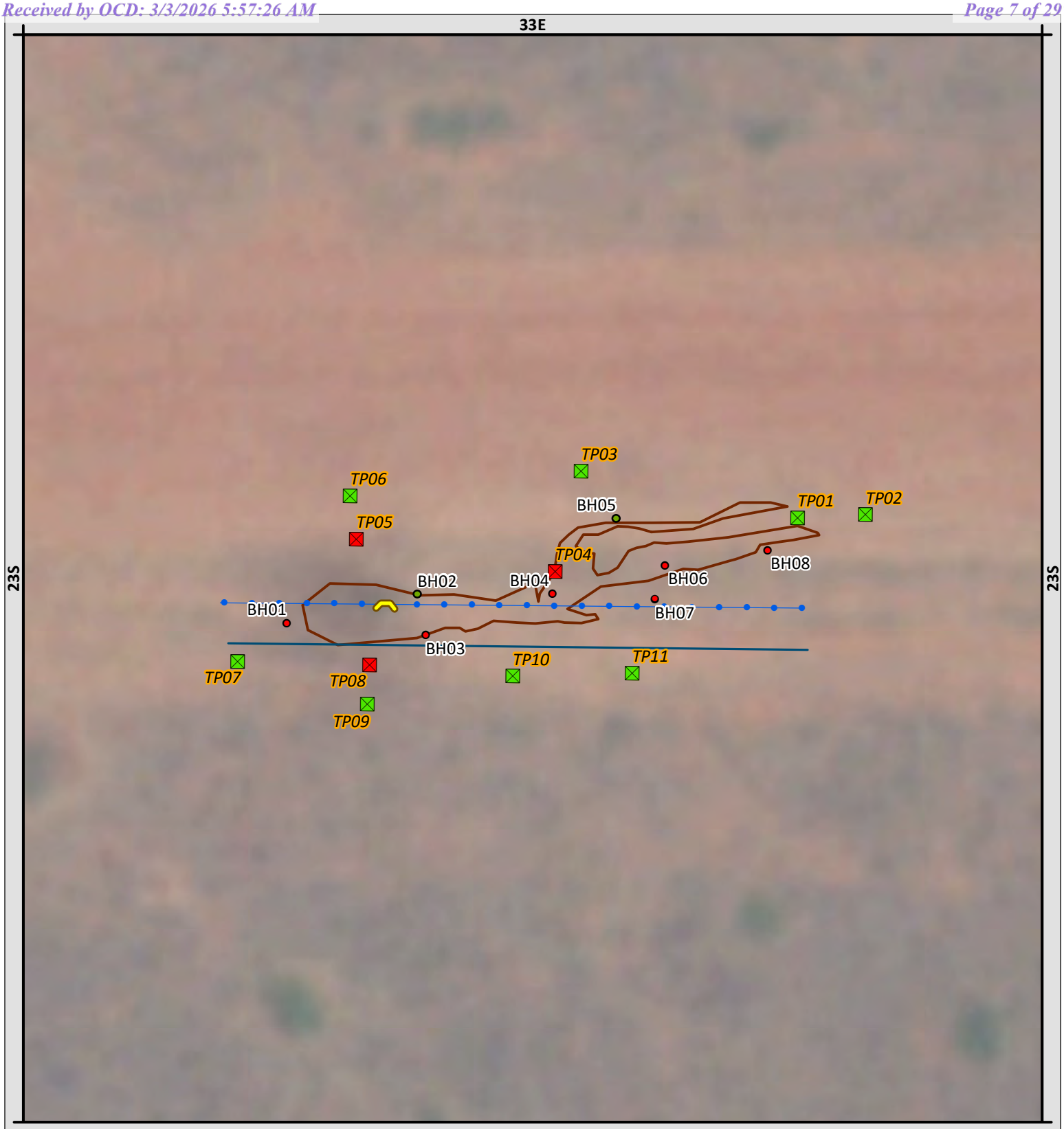
Reviewed By
Name: Will Harmon, P.G.
Title: Environmental Project Manager
Signature: _____

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 A

FIGURE 1. AERIAL VIEW AND SITE SCHEMATIC



Natural Gas Flowline
Produced Water Line
Riser

Visual Staining

Test Pit Sample Point
<600 mg/kg
>600 mg/kg

Borehole Sample Points
<600 mg/kg
>600 mg/kg

Release Area:
Width: 24.5 Feet
Length: 115.7 Feet
1,010.0 Square Feet

KLJ

Date Created: 2/10/2026

0 10 20 40 Feet

1:360

Map Center
Lat/Long: 32.294024, -103.564158

N

North Thistle Pipeline
Devon Energy Production Company
Eddy County, New Mexico

Figure: 1

devon

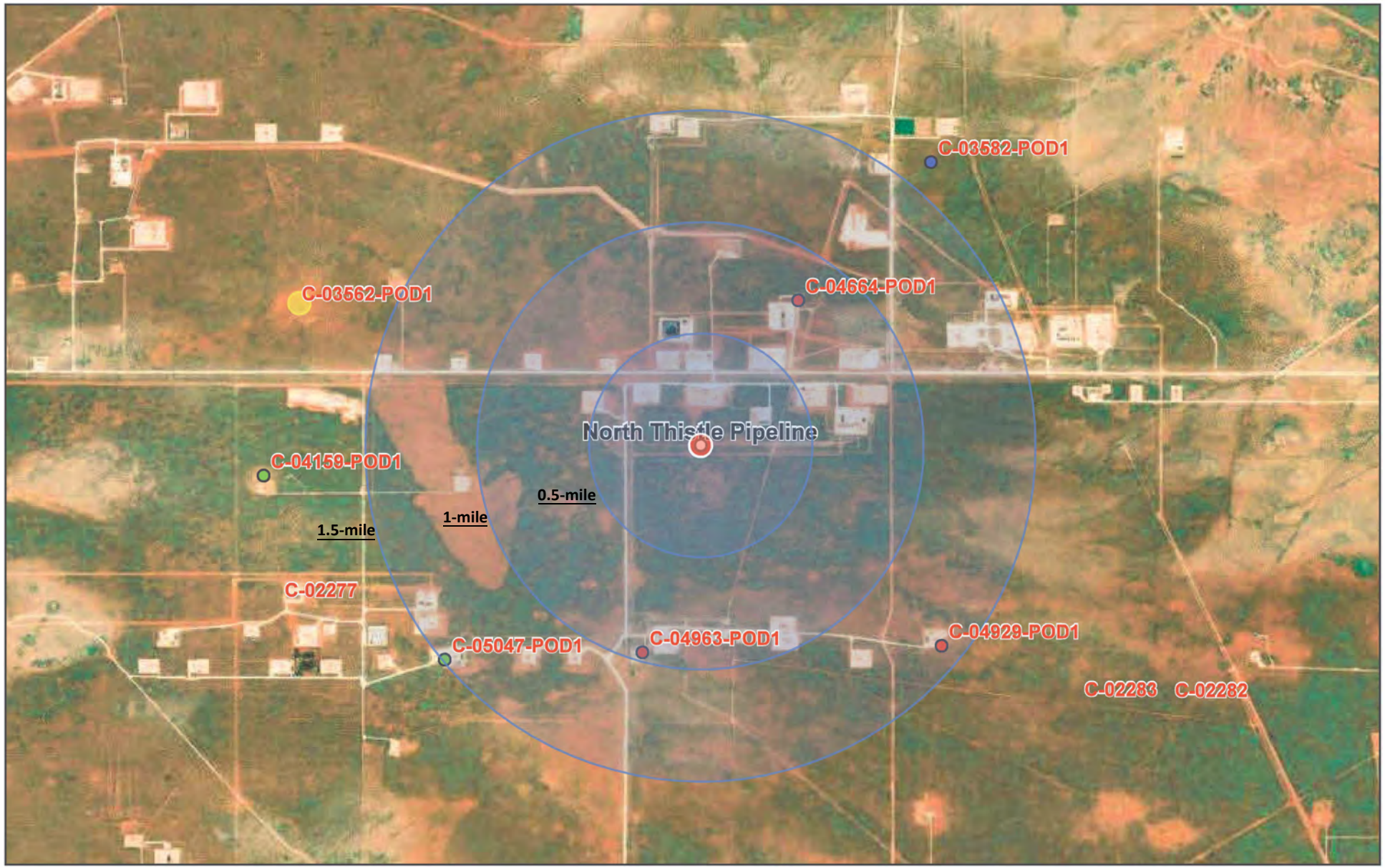
Document Location: K:\Projects\OilGas\DevonEnergy\2507-11205_North_Thistle_ROW_Spill _12-25\GIS\2507_11205_NorthThistleROWSpill_20260209.mxd

Imagery Source: USGS, USDA, The National Map: Orthoimagery. January 09, 2025.

APPENDIX B

CLOSURE CRITERIA RESEARCH

North Thistle Pipeline DTGW Proximity Map



2/23/2026, 3:36:13 PM

GIS WATERS PODs

- Pending
- Active
- Plugged

World Imagery
Low Resolution 15m Imagery High Resolution 60cm Imagery
High Resolution 30cm Imagery Citations
9.6m Resolution Metadata

North Thistle Pipeline Buffer Zones

0.5-mile: None

1-mile: C-04963-POD1 & C-04664-POD1

1.5-mile: C-04929-POD1

1:38,971

0 0.28 0.55 1.1 mi

0 0.45 0.9 1.8 km

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

Monica Peppin

North Thistle Pipeline Domestic Well/Livestock Watering POD Proximity Map

Nearest Pod

C-03582-POD1

Distance

1.38 miles

2/24/2026, 11:42:29 AM

1:37,316

World Imagery	High Resolution 30cm Imagery
Low Resolution 15m Imagery	Citations
High Resolution 60cm Imagery	9.6m Resolution Metadata

0 0.25 0.5 1 mi

0 0.42 0.85 1.7 km

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

Monica Peppin

File No. C-4664

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

1. APPLICANT(S)

Name: Devon Energy	Name:
Contact or Agent: Dale Woodall — check here if Agent ☐	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):

OSE DII AUG 16 2022 PM4:00

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

File No.: C-4664	Trn. No.: 732814	Receipt No.: Z-44951
Trans Description (optional): MON		
Sub-Basin: CUB	PCW/LOG Due Date: 8/25/23	

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-4664 POD1(TW-1)	103°33'27.99"	32°18'7.02"	SE NW SE Sec.15 T23S R33S NMPM

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:

North Thistle 15 CTB 2--14

Well is on land owned by: State of New Mexico

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.

OSE DII AUG 18 2022 PM4:00

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

File No.: C-4664 Tm No.: 732814

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. **Monitoring** ☐ The reason and duration of the monitoring is required.	☐ 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. **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.	☐ 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.

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.

Dale Woodall
Dale Woodall (Aug 17, 2022 12:46 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 25th day of August 20 22, for the State Engineer,

Mike A. Hamman, PE, State Engineer

By: K. Parekh
Signature

Kashyap Parekh
Print

Title: Water Resources Manager I
Print

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

File No.: C-4664 Trn No.: 732814

OSE DIT AUG 18 2022 PM4:00

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 04664 POD1 File Number: C 04664
Trn Number: 732814

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 04664 POD1 File Number: C 04664
Trn Number: 732814

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04664 POD1 must be completed and the Well Log filed on or before 08/25/2023.

IT IS THE PERMITTEE'S RESPOSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE CMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 08/18/2022 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 25 day of Aug A.D., 2022

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

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04664 POD1 File Number: C 04664
Trn Number: 732814

Run Date: 09/07/2010 [redacted] 10:22:31 File: 30-3001520/[redacted](LSE) Pg. 1

LEASE INFORMATION: Lease #: 30-3001520/000

Original Lessor: ST OF NM VB 0729
Status.....: ACTIVE
Original Lessee: CHALFANT PROPERTIES INC
Lease Type.....: STATE
Rights Held....: OIL AND GAS
Stage Code.....: APPROVED
Property Status:
Nmbr of Tracts.: 1
Agency #.....:

Remark Dated: 06/21/2010 LEGAL DESCRIPTION
T-23-S, R-33-E
SECTION 15: S/2

LEA COUNTY, NEW MEXICO

D A T E S:

LEASE DATE.....:	08/01/2005	By: LEE, JILL
EFFECTIVE DATE.....:	08/01/2005	By: LEE, JILL
EXPIRATION DATE.....:	08/01/2010	By: LEE, JILL
ACQUIRED DATE.....:	05/11/2010	By: LEE, JILL
APPROVED DATE.....:	09/07/2010	By: LEE, JILL
FIRST APPROVAL DATE.....:	06/21/2010	By: LEE, JILL
LAST FILE ACTIVITY DATE.....:	09/07/2010	By: LEE, JILL
FILE CREATED IN SYSTEM.....:	06/21/2010	By: LEE, JILL

A C R E A G E:

GROSS .....:	320.000 ACRES
NET .....:	320.000 ACRES
COMPANY NET .....:	320.000 ACRES
ACTIVE GROSS.....:	320.000 ACRES
ACTIVE NET.....:	320.000 ACRES
ACTIVE COMPANY NET.....:	320.000 ACRES
TALLY ACRES.....:	320.000 ACRES
TALLY ALLOCATED ACRES.....:	320.000 ACRES

O R G A N I Z A T I O N:

DEVON (DVN)
CORPORATION - DEVON ENERGY PRODUCTION, LP (001)
DIVISION - WESTERN (060)
DISTRICT - PERMIAN (062)
PROJECT - PB NEW MEXICO (062A)
PROSPECT - RAINBOW (007517)
SECURITY (SEC)
CORPORATION - DEVON (DVN)
COMPANY - DEVON (DVN1)

OCD DIT AUG 18 2022 PM4:10

T R A C T P R O F I L E:

TAB 09122014

Run Date: 09/07/2010 Time: 10:22:31 File: 30-3001520[redacted]U(LSE) Pg. 2

TRACT	HLD	S	A	P	SU	ORGANIZATION	GRS ACRES CO NET ACRES	NET ACRES CO NET DV ACRES
1	NP	A	Y	Y		DEVON	320.000	320.000
						RAINBOW	320.000	0.000

D O C U M E N T S:

Type : ASSIGNMENT
Description : CHESAPEAKE EXPLORATION LLC
Document Number: 18798
Document Date : 05/28/2010
Doc Eff Date : 05/11/2010
Doc Exp Date :
Recording Date : 06/18/2010
Country/State(Prov)/County: US : NM LEA
Recording Data : Book# 1683 Page# 930
Reception # : 18798

P R O V I S I O N S:

DESCRIPTION	RES	VALUE	U/M	LOCATION	PAGE
SLIDING SCALE ROYALT	N				
CONTINUOUS DRILLING?	N	0	DYS		
PUGH CLAUSE	N				
CONSENT REQUIRED TO	Y				
REASSIGNMENT? (Y/N	N	0	DYS		
POOLING FOR OIL & GA	N				
SHUT IN PROVISION?	Y	90	DYS		

Remark Dated: 06/21/2010 PROVISION
PAY AN ANNUAL ROYALTY ON OR BEFORE THE ANNUAL RENTAL PAYING DATE NEXT ENSUING AFTER THE EXPIRATION OF 90 DAYS FROM THE DATE SAID WELL WAS SHUT-IN AND ON OR BEFORE SAID RENTAL DATE THEREAFTER. THE AMOUNT OF ANY ANNUAL ROYALTY PAYABLE SHALL EQUAL TWICE THE ANNUAL RENTAL DUE BY THE LESSEE UNDER THE TERMS OF THIS LEASE BUT NOT LESS THAN $320 PER WELL PER YEAR, PROVIDED, HOWEVER, THAT ANY SUCH ANNUAL ROYALTY FOR ANY YEAR BEGINNING ON OR AFTER 10 YEARS FROM THE DATE HEREOF SHALL EQUAL 4 TIMES THE ANNUAL RENTAL DUE BY THE LESSEE UNDER THE TERMS OF THIS LEASE BUT NOT LESS THAN $2,000 PER WELL PER YEAR. THIS LEASE SHALL NOT BE CONTINUED AFTER 5 YEARS FROM THE DATE HEREOF FOR ANY PERIOD OF MORE THAN 10 YEARS BY THE PAYMENT OF SAID ANNUAL ROYALTY.

MINIMUM ROYALTY? (Y	N		$		
ANY WELL HOLDS ENTIR	Y				
REWORK PROVISION? (	Y	60	DYS		
SPECIAL ROYALTY DEDU	N				

P A Y M E N T I N F O R M A T I O N

Payment Type...: DELAY RENTAL
Description....: 6TH YEAR RENTAL
Payment Status.: PAY ON FREQUENCY Freq: ONE TIME ONLY
First Call.....: 06/21/2010 Last Call: 06/21/2010
Payor.....: DEVON ENERGY PRODUCTION CO LP We Pay? Y
Payment Amount.: $320.00 Arrears? N
Account Number.:

P A Y E E S:

DEPOSITORY PAYEE NUM	NAME/ADDRESS PAYEE NAME/ADDRESS	PAYEE AMOUNT	SERVICE CHARGE	O W R H
Direct Pay (00441401)	NEW MEXICO COM OF PUBLIC LAND STATE OF NEW MEXICO P O BOX 1148 SANTA FE, NM 87504-1148 Acct Num:	$320.00 TIN: 85-6000565	$0.00	N

B I L L I N G I N T E R E S T

NUMBER	BILLING PARTNER NAME	INTEREST	SHARE
99900101	DEVON ENERGY PRODUCTION CO LP OKLAHOMA CITY,OK 73102-8260	1.00000000	$320.00

T R A C T P A Y M E N T A S S I G N M E N T

TRACT #	HELD BY	STATUS	NET ACRES
1	NON-PRODUCING	ACTIVE	320.000

P A Y M E N T I N F O R M A T I O N

Payment Type...: RENT REGARDLESS OF PRODUCTION
Description....:
Payment Status.: PAY ON FREQUENCY Freq: ANNUALLY
First Call.....: 08/01/2011 Last Call: 08/01/2099
Payor.....: DEVON ENERGY PRODUCTION CO LP We Pay? Y
Payment Amount.: $320.00 Arrears? N
Account Number.:

P A Y E E S:

DEPOSITORY PAYEE NUM	NAME/ADDRESS PAYEE NAME/ADDRESS	PAYEE AMOUNT	SERVICE CHARGE	O W R H
Direct Pay (00441401)	NEW MEXICO COM OF PUBLIC LAND STATE OF NEW MEXICO P O BOX 1148 SANTA FE, NM 87504-1148 Acct Num:	$320.00 TIN: 85-6000565	$0.00	N

B I L L I N G I N T E R E S T

Run Date: 09/07/2010 Tim[redacted] 10:22:31 File: 30-3001520[redacted]U(LSE) Pg. 4

NUMBER	BILLING PARTNER NAME	INTEREST	SHARE
99900101	DEVON ENERGY PRODUCTION CO LP OKLAHOMA CITY,OK 73102-8260	1.00000000	$320.00

T R A C T P A Y M E N T A S S I G N M E N T

TRACT #	HELD BY	STATUS	NET ACRES
1	NON-PRODUCING	ACTIVE	320.000

T R A C T.....: 1

Status.....: ACTIVE
Tract Desc.....: SEC 15-23S-33E
Held By.....: NON-PRODUCING
Country.....: UNITED STATES
State(Prov)....: NEW MEXICO
County.....: LEA

D A T E S:

EXPIRATION DATE.....: 08/01/2010 By: LEE, JILL
LAST FILE ACTIVITY DATE.....: 09/07/2010 By: LEE, JILL
FILE CREATED IN SYSTEM.....: 06/21/2010 By: LEE, JILL

A C R E A G E:

REPORTS: Acreage (Y) Prospect (Y) Federal Chargeable (N) Acreage Excpt (N)
Lessor Mineral Interest: 1.00000000
Lessor Royalty Interest: 0.18750000 Variable? N
Other Burdens : 0.03250000 Variable? N

GROSS .....:	320.000 ACRES
NET .....:	320.000 ACRES
COMPANY NET .....:	320.000 ACRES
OVERLAPPING GROSS.....:	0.000 ACRES
PRODUCING GROSS .....:	0.000 ACRES
OVERLAPPING PRODUCING GROSS ..:	0.000 ACRES
PRODUCING COMPANY NET .....:	0.000 ACRES
FEDERAL CHARGEABLE .....:	0.000 ACRES
TALLY ALLOCATED ACRES.....:	320.000 ACRES
PRODUCING NET.....:	0.000 ACRES

O R G A N I Z A T I O N:

DEVON (DVN)
CORPORATION - DEVON ENERGY PRODUCTION, LP (001)
DIVISION - WESTERN (060)
DISTRICT - PERMIAN (062)
PROJECT - PB NEW MEXICO (062A)
PROSPECT - RAINBOW (007517)

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TAB 09122014

Run Date: 09/07/2010 Time: 10:22:31 File: 30-3001520/[illegible]0(LSE) Pg. 5

SECURITY (SEC)
CORPORATION - DEVON (DVN)
COMPANY - DEVON (DVN1)

L E G A L D E S C R I P T I O N:

COUNTRY ST COUNTY
DETAIL

US NM LEA
T 23S R 33E Sec 15 QQ S2 NEW MEXICO 1855

GROSS ....: 320.000 ACRES
NET ....: 320.000 ACRES
COMPANY NET ....: 320.000 ACRES

D E P T H I N T E R V A L S :

FROM DEPTH / TO DEPTH	FROM INDICATOR / TO INDICATOR	FROM FORMATION / TO FORMATION	UNIT
0 / 999999			FEET

P A R T I C I P A T I O N:

**** ACTIVE PARTNER INTERESTS *****

OPERATOR ID: 99900101

INTEREST TYPE / PARTNER	EFFECTIVE	TERMINATED	ADDRESS ID	INTEREST	BILLING
WORKING INTEREST DEVON ENERGY PRODUCTION CO LP OKLAHOMA CITY,OK 73102-8260	08/01/2005		99900101	1.00000000	1.00000000
***** TOTAL PARTNER INTEREST				1.00000000	1.00000000

C R O S S R E F E R E N C E S:

XREF TO	IDENTIFIER / DESCRIPTION	FILE TYPE / FILE STATUS
CONTRACT NUMBER	C-06-0006191 BLACK MAMBA 15 STATE 1	COMMUNITIZATION AC ACTIVE

*** END OF REPORT ***

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TAB 09122014

Devon Energy Corporation
Lease Purchase Report

devon

☐ Paid Draft No. _____ ☐ Paid by EFT/Receipt _____

☒ Paid Check No. _____ ☒ AFE # 155106

*Include if available. All other information is required.

Company Name: DEPCO		**Division Name:** Western	
Prospect Name & Number: Rainbow #7517		***Lease Number:** ~~30-3001534~~ 30-3001520000	
Lessor: State of New Mexico VB 0729		**Lessee:** Chalfant Properties, Inc.	
Phone Number:		**Bonus/Acre:** $100.00	
Address: P. O. Box 1148, Santa Fe, NM 87504-1148		**Bonus Amount:** $32,000.00	
SSN/ID No: 841024566		**If applicable, Rental/Acre:** $1.00	
Paid up: Yes ☐ No ☒		**Rental Amount:** $0.00	
State: NM	**County/Parish:** Lea	**Lease Operator Name (responsible party for payments):** DEPCO	
Royalty: 3/16	**ORRI:** 3.25%		
Lease Date: 08/01/2005	**mm/dd/yyyy**	**Primary Term (Years):** 5	
Effective Date: 08/01/2005	**mm/dd/yyyy**	**Expiration Date:** 07/31/2011	**mm/dd/yyyy**
Recorded By: Land: ☐ Broker: ☒ Not Recorded: ☐		***Bk:** 1392	***Pg:** 119	***File:** Lea County

Tract No.	Description	Interest	Gross Acres	Net Acres
1	S/2 Sec. 15-T23S-R33E	1.00000000	320.000000	320.000000
	Add Row	***TOTAL:***	320.000000	320.000000

WI Owners:	Percent %	Depth Limitation: Yes ☐ No ☒
DEPCO	100.000000%	
_____	____%	

LEASE/DOCUMENT TYPE

☒ New Lease	☐ Top Lease	☐ Extension
☐ Surface/Right of Way	☐ Renewal	☐ Option
☐ Mineral Deed	☐ Force Pool	☐ Leaseout

DOCUMENTS FURNISHED	SPECIAL PROVISIONS: (See Addendum)	
The following are Required:	Lease Analyst: Please verify the Provisions checked	
☒ Lease – Copy/Original	☒ Any Well Holds Entire Lease	☐ Equipment Removal
☐ Mineral Title Report	☒ Rework	☐ Other:
☐ Draft – Check/Receipt Copy	☐ Pugh Clause - Vertical/Horizontal	☐ Other
☐ Plat (number separate tracts)	☐ Minimum Royalty	☐ Other:
Include the following if applicable:	☐ Pooling - Oil/Gas	☐ Other:
☐ Rental Division Order–Copy/Original	☒ Shut-In Royalty	**Comments:**
☐ Reference Instrument – Copy	☐ Special Royalty Deduct	Lease is HBP - Black Mamba 15 State #1, Prop #030513-020. A short term com agreement dated 7-12-2010 communitizes the NE/4 & SE/4 Sec 15-23S-33E, Lea Co., NM
☐ Title Notes	☒ Consent to Assign	
☒ Assignment – Copy/Onginal	☐ Continuous Development	
☐ Affidavit	☒ Reassignment Provision	
☐ Subordination of Lien – Copy/Original	☐ No Surface Operations	
☒ Letter Agreement – Copy/Original	☒ Release Required	
☐ Power of Attorney – Copy/Original	☐ Option to Renew	
☐ Ratifications	☐ Damage	
☐ Other:	☐ Restoration	

REMARKS: (Include any Cross Reference information.)

DEPCO purchased this lease from Chesapeake Exploration, L.L.C. per terms of Letter Agreement dated 5-28-2010. Assignment dated 5-28-10, effective 5-11-10, recorded in State of New Mexico Misc. Instruments, Book 3, #8027, and Assignment approved by State of New Mexico Land Office effective 7-30-10. Assignment also recorded in Lea County, NM, Book 1683, Pg. 930. Cross reference lease 30-3000918-000 covering the N/2 Section 15-23S-33E, Lea County, NM, of which the NE/4 is included in the Com munitizationAgreement covering the E/2 of Section 15-23S-33E. Cross reference CA C-06-0006186.

Prepared by: Jo Ann Kerran **Date:** 08/17/2010 **mm/dd/yyyy**

TAB 09122014

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09811

LEASE NO: VB0729 0000

Application No:

OIL AND GAS LEASE
(Development Form)

THIS AGREEMENT, dated **August 01, 2005**, between the state of New Mexico, acting by and through its commissioner of public lands, hereinafter called the "lessor", and

CHALFANT PROPERTIES, INC.
P. O. BOX 3123
MIDLAND,TX 79702-3123

hereinafter called the "lessee",

WITNESSETH:

WHEREAS, the lessee has filed in the office of the commissioner of public lands an application for an oil and gas lease covering the lands hereinafter described and has tendered therewith the required first payment; and

WHEREAS, all of the requirements of law relative to the application and tender have been duly complied with;

THEREFORE, in consideration of the premises as well as the sum of **ONE HUNDRED SIXTY-TWO THOUSAND TWO HUNDRED FORTY and 00/100 dollars ($162,240.00)**, the same being the amount of the tender above mentioned, and the further sum of $30.00 filing fee, and of the covenants and agreements hereinafter contained, the lessor does hereby grant, demise, lease and let unto the said lessee, exclusively, for the sole and only purpose of exploration, development and production of oil or gas (including carbon dioxide and helium), or both thereon and therefrom with the right to own all oil and gas so produced and saved therefrom and not reserved as royalty by the lessor under the terms of this lease, together with rights-of-way, easements and servitudes for pipelines, telephone lines, tanks, power houses, stations, gasoline plants and fixtures for producing, treating and caring for such products, and housing and boarding employees, and any and all rights and privileges necessary, incident to or convenient for the economical operation of said land, for oil and gas, with right for such purposes to the free use of oil, gas, casing-head gas or water from said lands, but not from lessor's water wells, and with the rights of removing either during or after the term hereof, all and any improvements placed or erected on the premises by the lessee, including the right to pull all casing, subject, however, to the covenants and conditions hereinafter set out, the following described land situated in the count(y)(ies) of **Lea**, state of New Mexico, and more particularly described as follows:

Subdivisions	Section	Twp	Rge	Acres	Institution
S2	15	23S	33E	320.00	CS

Said lands having been awarded to lessee and designated as Tract No. **VB-0023** at public sale held by the commissioner of public lands on **July 19,2005**.

To have and to hold said land, and all the rights and privileges granted hereunder, to and unto the lessee for a primary term of five years from the date hereof, and as long thereafter as oil and gas, or either of them, is produced in paying quantities from said land by lessee, subject to all of the terms and conditions as hereinafter set forth.

In consideration of the premises the parties convenant and agree as follows:

1. Subject to the free use without royalty, as hereinbefore provided, the lessee shall pay the lessor as royalty three-sixteenth part of the oil produced and saved from the leased premises or the cash value thereof, at the option of the lessor, such value to be the price prevailing the day oil is run into a pipeline, if the oil be run into a pipeline, or into storage tanks, if the oil is stored.

2. Subject to the free use without royalty, as hereinbefore provided, at the option of the lessor at any time and from time to time, the lessee shall pay the lessor as royalty three-sixteenth part of the gas produced and saved from the leased premises, including casing-head gas. Unless said option is exercised by lessor, the lessee shall pay the lessor as royalty three-sixteenth of the cash value of the gas, including casing-head gas, produced and saved from the leased premises and marketed or utilized, such value to be equal to the net proceeds derived from the sale of such gas in the field; provided, however, the cash value for royalty purposes of carbon dioxide gas and of hydrocarbon gas delivered to a gasoline plant for extraction of liquid hydrocarbons shall be equal to the net proceeds derived from the sale of such gas, including any liquid hydrocarbons recovered therefrom.
Notwithstanding the foregoing provisions, the lessor may require the payment of royalty for all or any part of the gas produced and saved under this lease and marketed or utilized at a price per m.c.f. equal to the maximum price being paid for gas of like kind and quality and under like conditions in the same field or area

or may reduce the royalty value of any such gas (to any amount not less than the net proceeds of sale thereof, in the field) if the commissioner of public lands shall determine such action to be necessary to the successful operation of the lands for oil or gas purposes or to encouragement of the greatest ultimate recovery of oil or gas or to the promotion of conservation of oil or gas or in the public interest.

This lease shall not expire at the end of the primary term hereof if there is a well capable of producing gas in paying quantities located upon some part of the lands embraced herein, or upon lands pooled or communitized herewith, where such well is shut-in due to the inability of the lessee to obtain a pipeline connection or to market the gas therefrom and if the lessee timely pays an annual royalty on or before the annual rental paying date next ensuing after the expiration of ninety days from the date said well was shut-in and on or before said rental date thereafter. The payment of said annual royalty shall be considered for all purposes the same as if gas were being produced in paying quantities and upon the commencement of marketing of gas from said well or wells the royalty paid for the lease year in which the gas is first marketed shall be credited upon the royalty payable hereunder to the lessor for such year. The provisions of this section shall also apply where gas is being marketed from said leasehold premises and through no fault of the lessee, the pipeline connection or market is lost or ceases, in which case this lease shall not expire so long as said annual royalty is paid as herein provided. The amount of any annual royalty payable under this section shall equal twice the annual rental due be the lessee under the terms of this lease but not less than three hundred twenty dollars ($320) per well per year, provided, however, that any such annual royalty for any year beginning on or after ten years from the date hereof shall equal four times the annual rental due by the lessee under the terms of this lease but not less than two thousand dollars ($2,000) per well per year; provided further that no annual royalty shall be payable under this section if equivalent amounts are timely paid pursuant to another lease issued by lessor and if such other lease includes lands communitized with lands granted hereunder for the purpose of prorationally sharing in the shut-in well. Notwithstanding the provisions of this section to the contrary, this lease shall not be continued after five years from the date hereof for any period of more than ten years by the payment of said annual royalty unless, for good cause shown, the commissioner of public lands, in his discretion, grants such a continuance.

3. Lessee agrees to make full settlement on the twentieth day of each month for all royalties due to the lessor for the preceding month, under this lease, and to permit the lessor or its agents, at all reasonable hours, to examine lessee's books relating to the production and disposition of oil gas produced. Lessee further agrees to submit to lessor annually upon forms furnished by lessor, verified reports showing lessee's operations for the preceding year.

4. An annual rental at the rate of **$1.00** per acre shall become due and payable to the lessor by the lessee upon each acre of the land above described and then claimed by such lessee, and the same shall be due and payable in advance to the lessor on successive anniversary dates of this lease, but the annual rental on any assignment shall in no event be less than forty dollars ($40.00).

In the event the lessee shall elect to surrender any or all of said acreage, he shall deliver to the lessor a duly executed release thereof and in event said lease has been recorded then he shall upon request furnish and deliver to the lessor a certified copy of a duly recorded release.

5. The lessee may at any time by paying to the lessor all amounts then due as provided herein and the further sum of forty dollars ($40.00), surrender and cancel this lease insofar as the same covers all or any portion of the lands herein leased and be relieved from further obligations or liability hereunder, in the manner as hereinbefore provided. Provided, this surrender clause and the option herein reserved to the lessee shall cease and become absolutely inoperative immediately and concurrently with the institution of any suit in any court of law or equity by the lessee, lessor or any assignee, to enforce this lease, or any of its terms expressed or implied.

6. All payments due hereunder shall be made on or before the day such payment is due, at the office of the commissioner of public lands in Santa Fe, New Mexico.

7. The lessee with the consent of the lessor shall have the rights to assign this lease in whole or in part. Provided, however, than no assignment of an undivided interest in the lease or in any part thereof nor any assignment of less than a legal subdivision shall be recognized or approved by the lessor. Upon approval in writing by the lessor of an assignment, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. In the event a well or wells producing oil or gas in paying quantities should be brought in on adjacent land which is draining the leased premises, lessee shall drill such offset well or wells as a reasonably prudent operator would drill under the same or similar circumstances, provided that no such offset well shall be required if compensatory royalties are paid pursuant to an agreement between the lessor and the lessee.

9. The lessee agrees to notify the lessor of the location of each well before commencing drilling thereon, to keep a complete and accurate log of each well drilled and to furnish a copy thereof, verified by some person having actual knowledge of the facts, to the lessor upon the completion of any well, and to furnish the log of any unfinished well at any time when requested to do so by the lessor.

If any lands embraced in this lease shall be included in any deed or contract of purchase outstanding and subsisting issued pursuant to any sale made of the surface of such lands prior to the date of this lease, it is agreed and understood that no drilling operation shall be commenced on any such lands so sold unless and until the lessee shall have filed a good and sufficient bond with the lessor as required by law, to secure the payment for such damage to the livestock, range, water, crops or tangible improvements on such lands as may be suffered by the purchaser holding such deed or contract of purchase, or his successors, by reason of the developments, use and occupation of such lands by such lessee. Provided, however, that no such bond shall be required if such purchaser shall waive the right to require such bond to be given in the manner provided by law.

10. In drilling wells all water-bearing strata shall be noted in the log, and the lessor reserves the right to require that all or any part of the casing shall be left in any nonproductive well when lessor deems it to the interest of the beneficiaries of the lands granted hereunder to maintain said well or wells for water. For such casing so left in wells the lessor shall pay to the lessee the reasonable value thereof.

11. Lessee shall be liable and agree to pay of all damages to the range, livestock, growing crops or improvements caused by lessee's operations on said lands. When requested by the lessor the lessee shall bury pipelines below plow depth.

12. The lessee shall not remove any machinery or fixtures placed on said premises, nor draw the casing from any well unless and until all payments and obligations due the lessor under the terms of this agreement shall have been paid or satisfied. The lessee's right to remove the casing is subject to the provision of Paragraph 10 above.

13. Upon failure or default of the lessee to comply with any of the provisions or covenants hereof, the lessor is hereby authorized to cancel this lease and such cancellation shall extend to and include all rights hereunder as to the whole of the tract so claimed, or possessed by the lessee, but shall not extend to, nor affect the rights of any other lessee or assignee claiming any portion of the lands upon which no default has been made; provided, however, that before any such cancellation shall be made, the lessor shall mail to the lessee so defaulting, by registered or certified mail, addressed to the post-office address of such lessee as shown by the records of the state land office, a notice of intention of cancellation specifying the default for which cancellation is to be made, and if within thirty days from the date of mailing said notice the said lessee shall remedy the default specified in said notice, cancellation shall not be made.

14. If this lease shall have been maintained in accordance with the provisions hereof and if at the expiration of the primary term provided for herein oil or gas is not being produced on said land but lessee is then engaged in bona fide drilling or reworking operations thereon, this lease shall remain in full force and effect so long as such operations are diligently prosecuted and, if they result in the production of oil or gas, so long thereafter as oil and gas in paying quantities, or either of them, is produced from said land; provided, however, such operations extending beyond the primary term shall be approved by the lessor upon written application filed with the lessor on or before the expiration of said term, and a report of the status of all such operations shall be made by the lessee to the lessor every thirty days and a cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and this lease shall thereupon terminate.

If during the drilling or reworking of any well under this section, lessee loses or junks the hole or well and after diligent efforts in good faith is unable to complete said operations, then within twenty days after the abandonment of said operations, lessee may commence another well within three hundred thirty feet of the lost or junked hole or well and drill the same with due diligence.

Operations commenced and continued as herein provided shall extend this lease as to all lands as to which the same is in full force and effect as of the time said drilling operations are commenced; provided, however, this lease shall be subject to cancellation in accordance with Paragraph 13 hereof for failure to pay rentals or file reports which may become due while operations are being conducted hereunder.

15. Should production of oil and gas or either of them in paying quantities be obtained while this lease is in force and effect and should thereafter cease from any cause after the expiration of five years from the date hereof this lease shall not terminate if lessee commences additional drilling or reworking operations within sixty days after the cessation of such production and shall remain in full force and effect so long as such operations are prosecuted in good faith with no cessation of more than twenty consecutive days, and if such operations result in the production of oil or gas in paying quantities, so long thereafter as oil or gas in paying quantities is produced from said land; provided, however, written notice of intention to commence such operations shall be filed with the lessor within thirty days after the cessation of such production, and a report of the status of such operations shall be made by the lessee to the lessor every thirty days, and the cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and this lease shall thereupon terminate.

16. Lessee, including their heirs, assigns, agents and contractors shall at their own expense fully comply with all laws, regulations, rules, ordinances and requirements of the city, county, state, federal authorities and agencies, in all matters and things affecting the premises and operations thereon which may be enacted or promulgated under the governmental police powers pertaining to public health and welfare, including but not limited to conservation, sanitation, aesthetics, pollution, cultural properties, fire and ecology. Such agencies are not to be deemed third party beneficiaries hereunder, however, this clause is enforceable by the lessor in any manner provided in this lease or by law.

17. Should lessor desire to exercise its rights to take in-kind its royalty share of oil, gas or associated substances or purchase all or any part of the oil, gas or associated substances produced from the lands covered by this lease, the lessee hereby irrevocably consents to the lessor exercising its right. Such consent is a consent to the termination of any supplier/purchaser relationship between the lessor and the lessee deemed to exist under federal regulations. Lessee further agrees that it will require any purchaser of oil, gas or associated substance to likewise waive any such rights.

18. Lessor reserves a continuing option to purchase at any time and from time to time, at the market price prevailing in the area on the date of purchase, all or any part of the minerals (oil and gas) that will be produced from the lands covered by this lease.

19. Lessor reserves the right to execute leases for geothermal resource development and operation thereon; the right to sell or dispose of the geothermal resources of such lands; and the right to grant rights-of-way and easements for these purposes.

20. All terms of this agreement shall extend to and bind the heirs, executors, administrator, successors and assigns of the parties hereto.

In witness whereof, the party of the first part has hereunto signed and caused its name to be signed by its commissioner of public lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement the day and year first above written.

STATE OF NEW MEXICO

By: _____
Commissioner of Public Lands, Lessor

_____ (Seal)
Lessee

(PERSONAL ACKNOWLEDGMENT)

STATE OF _____ ss.

COUNTY OF _____ ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by

_____

My commission expires: _____ _____
Notary Public

(ACKNOWLEDGMENT BY ATTORNEY-IN-FACT)

STATE OF _____ ss.

COUNTY OF _____ ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by

_____ as attorney-in-fact in behalf of

_____

My commission expires: _____ _____
Notary Public

(ACKNOWLEDGMENT BY CORPORATION)

DSE DIT AUG 18 2022 PM4:07

STATE OF Texas ss.

COUNTY OF Midland ss.

The foregoing instrument was acknowledged before me this 25th day of July 2005,

by William A Chalfant, President of Chalfant Properties, Inc
(Name) (Title) (Corporation)

a Texas corporation, on behalf of said corporation.

My commission expires: 7/16/2008 Mashala K Cross
Notary Public

O - 24 06/14/85

BOOK 1392 PAGE 122

MASHALA K. CROSS
Notary Public, State of Texas
My Commission Expires
7-16-2008

09811

STATE OF NEW MEXICO
COUNTY OF LEA
FILED

AUG 0 8 2005

at 2:19 o'clock P M
and recorded in Book 1392
Page 09
Melinda Hughes, Lea County Clerk
By Keith Meade Deputy

COUNTY CLERK SEAL LEA NEW MEXICO

DSE DIT AUG 18 2022 PM4:07

BOOK 1392 PAGE 123

TAB 09122014

15
(5)

09811

LEASE NO: VB0729 0000

Application No:

OIL AND GAS LEASE
(Development Form)

RECEIVED
2021 JUL 28 AM 7 38
STATE LAND OFFICE
SANTA FE, N.M.

THIS AGREEMENT, dated August 01, 2005, between the state of New Mexico, acting by and through its commissioner of public lands, hereinafter called the "lessor", and

CHALFANT PROPERTIES, INC.
P. O. BOX 3123
MIDLAND,TX 79702-3123

hereinafter called the "lessee",

WITNESSETH:

WHEREAS, the lessee has filed in the office of the commissioner of public lands an application for an oil and gas lease covering the lands hereinafter described and has tendered therewith the required first payment; and

WHEREAS, all of the requirements of law relative to the application and tender have been duly complied with;

THEREFORE, in consideration of the premises as well as the sum of **ONE HUNDRED SIXTY-TWO THOUSAND TWO HUNDRED FORTY and 00/100 dollars ($162,240.00)**, the same being the amount of the tender above mentioned, and the further sum of $30.00 filing fee, and of the covenants and agreements hereinafter contained, the lessor does hereby grant, demise, lease and let unto the said lessee, exclusively, for the sole and only purpose of exploration, development and production of oil or gas (including carbon dioxide and helium), or both thereon and therefrom with the right to own all oil and gas so produced and saved therefrom and not reserved as royalty by the lessor under the terms of this lease, together with rights-of-way, easements and servitudes for pipelines, telephone lines, tanks, power houses, stations, gasoline plants and fixtures for producing, treating and caring for such products, and housing and boarding employees, and any and all rights and privileges necessary, incident to or convenient for the economical operation of said land, for oil and gas, with right for such purposes to the free use of oil, gas, casing-head gas or water from said lands, but not from lessor's water wells, and with the rights of removing either during or after the term hereof, all and any improvements placed or erected on the premises by the lessee, including the right to pull all casing, subject, however, to the covenants and conditions hereinafter set out, the following described land situated in the count(y)(ies) of Lea, state of New Mexico, and more particularly described as follows:

Subdivisions	Section	Twp	Rge	Acres	Institution
S2	15	23S	33E	320.00	CS

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Said lands having been awarded to lessee and designated as Tract No. VB-0023 at public sale held by the commissioner of public lands on July 19,2005.

To have and to hold said land, and all the rights and privileges granted hereunder, to and unto the lessee for a primary term of five years from the date hereof, and as long thereafter as oil and gas, or either of them, is produced in paying quantities from said land by lessee, subject to all of the terms and conditions as hereinafter set forth.

In consideration of the premises the parties convenant and agree as follows:

1. Subject to the free use without royalty, as hereinbefore provided, the lessee shall pay the lessor as royalty three-sixteenth part of the oil produced and saved from the leased premises or the cash value thereof, at the option of the lessor, such value to be the price prevailing the day oil is run into a pipeline, if the oil be run into a pipeline, or into storage tanks, if the oil is stored.

2. Subject to the free use without royalty, as hereinbefore provided, at the option of the lessor at any time and from time to time, the lessee shall pay the lessor as royalty three-sixteenth part of the gas produced and saved from the leased premises, including casing-head gas. Unless said option is exercised by lessor, the lessee shall pay the lessor as royalty three-sixteenth of the cash value of the gas, including casing-head gas, produced and saved from the leased premises and marketed or utilized, such value to be equal to the net proceeds derived from the sale of such gas in the field; provided, however, the cash value for royalty purposes of carbon dioxide gas and of hydrocarbon gas delivered to a gasoline plant for extraction of liquid hydrocarbons shall be equal to the net proceeds derived from the sale of such gas, including any liquid hydrocarbons recovered therefrom.
Notwithstanding the foregoing provisions, the lessor may require the payment of royalty for all or any part of the gas produced and saved under this lease and marketed or utilized at a price per m.c.f. equal to the maximum price being paid for gas of like kind and quality and under like conditions in the same field or area

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30-3001520/000

TAB 09122014

or may reduce the royalty value of any such gas (to any amount not less than the net proceeds of sale thereof, in the field) if the commissioner of public lands shall determine such action to be necessary to the successful operation of the lands for oil or gas purposes or to encouragement of the greatest ultimate recovery of oil or gas or to the promotion of conservation of oil or gas or in the public interest.

This lease shall not expire at the end of the primary term hereof if there is a well capable of producing gas in paying quantities located upon some part of the lands embraced herein, or upon lands pooled or communitized herewith, where such well is shut-in due to the inability of the lessee to obtain a pipeline connection or to market the gas therefrom and if the lessee timely pays an annual royalty on or before the annual rental paying date next ensuing after the expiration of ninety days from the date said well was shut-in and on or before said rental date thereafter. The payment of said annual royalty shall be considered for all purposes the same as if gas were being produced in paying quantities and upon the commencement of marketing of gas from said well or wells the royalty paid for the lease year in which the gas is first marketed shall be credited upon the royalty payable hereunder to the lessor for such year. The provisions of this section shall also apply where gas is being marketed from said leasehold premises and through no fault of the lessee, the pipeline connection or market is lost or ceases, in which case this lease shall not expire so long as said annual royalty is paid as herein provided. The amount of any annual royalty payable under this section shall equal twice the annual rental due be the lessee under the terms of this lease but not less than three hundred twenty dollars ($320) per well per year, provided, however, that any such annual royalty for any year beginning on or after ten years from the date hereof shall equal four times the annual rental due by the lessee under the terms of this lease but not less than two thousand dollars ($2,000) per well per year, provided further that no annual royalty shall be payable under this section if equivalent amounts are timely paid pursuant to another lease issued by lessor and if such other lease includes lands communitized with lands granted hereunder for the purpose of prorationally sharing in the shut-in well. Notwithstanding the provisions of this section to the contrary, this lease shall not be continued after five years from the date hereof for any period of more than ten years by the payment of said annual royalty unless, for good cause shown, the commissioner of public lands, in his discretion, grants such a continuance.

3. Lessee agrees to make full settlement on the twentieth day of each month for all royalties due to the lessor for the preceding month, under this lease, and to permit the lessor or its agents, at all reasonable hours, to examine lessee's books relating to the production and disposition of oil gas produced. Lessee further agrees to submit to lessor annually upon forms furnished by lessor, verified reports showing lessee's operations for the preceding year.

4. An annual rental at the rate of **$1.00** per acre shall become due and payable to the lessor by the lessee upon each acre of the land above described and then claimed by such lessee, and the same shall be due and payable in advance to the lessor on successive anniversary dates of this lease, but the annual rental on any assignment shall in no event be less than forty dollars ($40.00).

In the event the lessee shall elect to surrender any or all of said acreage, he shall deliver to the lessor a duly executed release thereof and in event said lease has been recorded then he shall upon request furnish and deliver to the lessor a certified copy of a duly recorded release.

5. The lessee may at any time by paying to the lessor all amounts then due as provided herein and the further sum of forty dollars ($40.00), surrender and cancel this lease insofar as the same covers all or any portion of the lands herein leased and be relieved from further obligations or liability hereunder, in the manner as hereinbefore provided. Provided, this surrender clause and the option herein reserved to the lessee shall cease and become absolutely inoperative immediately and concurrently with the institution of any suit in any court of law or equity by the lessee, lessor or any assignee, to enforce this lease, or any of its terms expressed or implied.

6. All payments due hereunder shall be made on or before the day such payment is due, at the office of the commissioner of public lands in Santa Fe, New Mexico.

7. The lessee with the consent of the lessor shall have the rights to assign this lease in whole or in part. Provided, however, than no assignment of an undivided interest in the lease or in any part thereof nor any assignment of less than a legal subdivision shall be recognized or approved by the lessor. Upon approval in writing by the lessor of an assignment, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. In the event a well or wells producing oil or gas in paying quantities should be brought in on adjacent land which is draining the leased premises, lessee shall drill such offset well or wells as a reasonably prudent operator would drill under the same or similar circumstances, provided that no such offset well shall be required if compensatory royalties are paid pursuant to an agreement between the lessor and the lessee.

9. The lessee agrees to notify the lessor of the location of each well before commencing drilling thereon, to keep a complete and accurate log of each well drilled and to furnish a copy thereof, verified by some person having actual knowledge of the facts, to the lessor upon the completion of any well, and to furnish the log of any unfinished well at any time when requested to do so by the lessor.

If any lands embraced in this lease shall be included in any deed or contract of purchase outstanding and subsisting issued pursuant to any sale made of the surface of such lands prior to the date of this lease, it is agreed and understood that no drilling operation shall be commenced on any such lands so sold unless and until the lessee shall have filed a good and sufficient bond with the lessor as required by law, to secure the payment for such damage to the livestock, range, water, crops or tangible improvements on such lands as may be suffered by the purchaser holding such deed or contract of purchase, or his successors, by reason of the developments, use and occupation of such lands by such lessee. Provided, however, that no such bond shall be required if such purchaser shall waive the right to require such bond to be given in the manner provided by law.

10. In drilling wells all water-bearing strata shall be noted in the log, and the lessor reserves the right to require that all or any part of the casing shall be left in any nonproductive well when lessor deems it to the interest of the beneficiaries of the lands granted hereunder to maintain said well or wells for water. For such casing so left in wells the lessor shall pay to the lessee the reasonable value thereof.

11. Lessee shall be liable and agree to pay of all damages to the range, livestock, growing crops or improvements caused by lessee's operations on said lands. When requested by the lessor the lessee shall bury pipelines below plow depth.

12. The lessee shall not remove any machinery or fixtures placed on said premises, nor draw the casing from any well unless and until all payments and obligations due the lessor under the terms of this agreement shall have been paid or satisfied. The lessee's right to remove the casing is subject to the provision of Paragraph 10 above.

13. Upon failure or default of the lessee to comply with any of the provisions or covenants hereof, the lessor is hereby authorized to cancel this lease and such cancellation shall extend to and include all rights hereunder as to the whole of the tract so claimed, or possessed by the lessee, but shall not extend to, nor affect the rights of any other lessee or assignee claiming any portion of the lands upon which no default has been made, provided, however, that before any such cancellation shall be made, the lessor shall mail to the lessee so defaulting, by registered or certified mail, addressed to the post-office address of such lessee as shown by the records of the state land office, a notice of intention of cancellation specifying the default for which cancellation is to be made, and if within thirty days from the date of mailing said notice the said lessee shall remedy the default specified in said notice, cancellation shall not be made.

14. If this lease shall have been maintained in accordance with the provisions hereof and if at the expiration of the primary term provided for herein oil or gas is not being produced on said land but lessee is then engaged in bona fide drilling or reworking operations thereon, this lease shall remain in full force and effect so long as such operations are diligently prosecuted and, if they result in the production of oil or gas, so long thereafter as oil and gas in paying quantities, or either of them, is produced from said land; provided, however, such operations extending beyond the primary term shall be approved by the lessor upon written application filed with the lessor on or before the expiration of said term, and a report of the status of all such operations shall be made by the lessee to the lessor every thirty days and a cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and this lease shall thereupon terminate.

If during the drilling or reworking of any well under this section, lessee loses or junks the hole or well and after diligent efforts in good faith is unable to complete said operations, then within twenty days after the abandonment of said operations, lessee may commence another well within three hundred thirty feet of the lost or junked hole or well and drill the same with due diligence.

Operations commenced and continued as herein provided shall extend this lease as to all lands as to which the same is in full force and effect as of the time said drilling operations are commenced; provided, however, this lease shall be subject to cancellation in accordance with Paragraph 13 hereof for failure to pay rentals or file reports which may become due while operations are being conducted hereunder.

15. Should production of oil and gas or either of them in paying quantities be obtained while this lease is in force and effect and should thereafter cease from any cause after the expiration of five years from the date hereof this lease shall not terminate if lessee commences additional drilling or reworking operations within sixty days after the cessation of such production and shall remain in full force and effect so long as such operations are prosecuted in good faith with no cessation of more than twenty consecutive days, and if such operations result in the production of oil or gas in paying quantities, so long thereafter as oil or gas in paying quantities is produced from said land; provided, however, written notice of intention to commence such operations shall be filed with the lessor within thirty days after the cessation of such production, and a report of the status of such operations shall be made by the lessee to the lessor every thirty days, and the cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and this lease shall thereupon terminate.

16. Lessee, including their heirs, assigns, agents and contractors shall at their own expense fully comply with all laws, regulations, rules, ordinances and requirements of the city, county, state, federal authorities and agencies, in all matters and things affecting the premises and operations thereon which may be enacted or promulgated under the governmental police powers pertaining to public health and welfare, including but not limited to conservation, sanitation, aesthetics, pollution, cultural properties, fire and ecology. Such agencies are not to be deemed third party beneficiaries hereunder, however, this clause is enforceable by the lessor in any manner provided in this lease or by law.

17. Should lessor desire to exercise its rights to take in-kind its royalty share of oil, gas or associated substances or purchase all or any part of the oil, gas or associated substances produced from the lands covered by this lease, the lessee hereby irrevocably consents to the lessor exercising its right. Such consent is a consent to the termination of any supplier/purchaser relationship between the lessor and the lessee deemed to exist under federal regulations. Lessee further agrees that it will require any purchaser of oil, gas or associated substance to likewise waive any such rights.

18. Lessor reserves a continuing option to purchase at any time and from time to time, at the market price prevailing in the area on the date of purchase, all or any part of the minerals (oil and gas) that will be produced from the lands covered by this lease.

19. Lessor reserves the right to execute leases for geothermal resource development and operation thereon; the right to sell or dispose of the geothermal resources of such lands; and the right to grant rights-of-way and easements for these purposes.

20. All terms of this agreement shall extend to and bind the heirs, executors, administrator, successors and assigns of the parties hereto.

In witness whereof, the party of the first part has hereunto signed and caused its name to be signed by its commissioner of public lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement the day and year first above written.

STATE OF NEW MEXICO

By: _____
Commissioner of Public Lands, Lessor

_____ (Seal)
Lessee

(PERSONAL ACKNOWLEDGMENT)

STATE OF _____ ss.

COUNTY OF _____ ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by

_____

My commission expires: _____ _____
Notary Public

(ACKNOWLEDGMENT BY ATTORNEY-IN-FACT)

STATE OF _____ ss.

COUNTY OF _____ ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by

_____ as attorney-in-fact in behalf of

_____

My commission expires: _____ _____
Notary Public

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF TEXAS ss.

COUNTY OF MIDLAND ss.

The foregoing instrument was acknowledged before me this 25th day of, JULY 20 05.

by WILLIAM A CHALFANT, PRESIDENT of CHALFANT PROPERTIES, INC
(Name) (Title) (Corporation)

a TEXAS corporation, on behalf of said corporation.

My commission expires: 7/16/2008 Mashala K Cross
Notary Public

O - 24 06/14/85

BOOK 1392 PAGE 122

MASHALA K. CROSS
Notary Public, State of Texas
My Commission Expires
7-16-2008

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09811

STATE OF NEW MEXICO
COUNTY OF LEA
FILED

AUG 0 8 2005
at 2:14 o'clock P M
and recorded in Book 1392
Page 119
Melinda Heather, Lea County Clerk
By Kelly Monk Deputy

COUNTY CLERK SEAL LEA COUNTY NEW MEXICO

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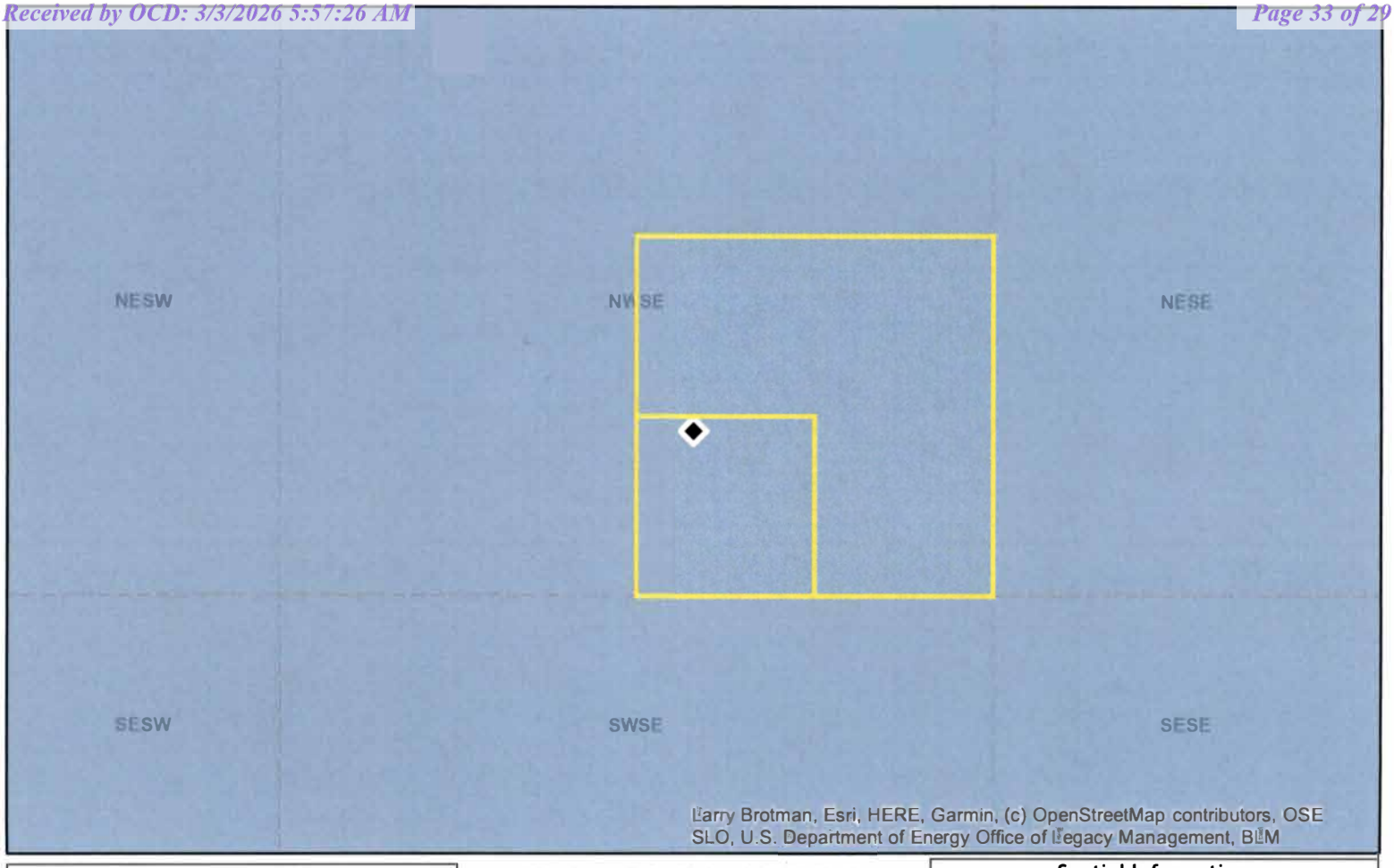
TAB 09122014



Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 635784.596

Northing 3574818.136

State Plane - NAD 83 (f) - Zone E

Easting 780966.106

Northing 474446.682

Degrees Minutes Seconds

Latitude 32 : 18 : 7.020000

Longitude -103 : 33 : 27.990000

Location pulled from Coordinate Search

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:4,514

ft

0 90 180 360

N

AR 8/25/2022

Office of the State Engineer
nm
Interstate Stream Commission

Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately interpret the source data used in their preparation; however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, rectification, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

County: Lea

Groundwater Basin: Carlsbad

Abstract Area: Carlsbad 72-12-1
Carlsbad Underground Basin

Land Grant:
Not in Land Grant

Restrictions:

PLSS Description

SWSENWSE Qtr of Sec 15 of 023S 033E

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

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

Calculated PLSS

Coord Search Location

Water Right Regulations

Closure Area

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
- Grant County Parcels 2022
- Harding County Parcels 2022
- Hidalgo 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

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: 732814
File Nbr: C 04664

Aug. 25, 2022

DALE 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,

Azucena Ramirez
(575)622-6521

Enclosure

explore

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

August 22, 2022

Devon Energy
6488 7 Rivers Highway
Artesia, NM 88210

RE: Well Plugging Plan of Operations for well no. C-4664-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,

K. Parekh

Kashyap Parekh
Water Resources Manager I

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-4664-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4664-POD1	6.5 (Soil Boring)	55	Unknown	32° 18' 7.02"	103° 33' 27.99"

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. The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 94.0 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. **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.

4. **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.

5. 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.

6. 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. of these Specific Conditions of Approval.

7. 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.

8. 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.

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

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

11. 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 22nd day of August 2022

Mike A. Hamman, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I

WELL PLUGGING PLAN OF OPERATIONS

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

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

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

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

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C- 4664 (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

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, 7.02 sec
Longitude: 103 deg, 33 min, 27.99 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:

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

OSE DIV AUG 18 2022 PM4:05

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

N/A

8) Additional notes and calculations:

N/A

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

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

VIII. SIGNATURE:

I, 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 17, 2022 12:46 MDT)

Signature of Applicant

8/17/2022

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

RCVD OCD AUG 19 2022 PM4:06

X Approved subject to the attached conditions.

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

Witness my hand and official seal this 22nd day of August, 2022

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

By: K. Parekh

KASHYAP PAREKH

W.R.M.I

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

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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

PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4664

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge

4) Date well plugging began: 9 /13/ 2022 Date well plugging concluded: 9 /13/ 2022

5) GPS Well Location: Latitude: 32 deg, 18 min, 7 02 sec
Longitude: 103 deg, 22 min, 27.99 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 8/22/2022

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DII SEP 26 2022 PM3:25

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
	10'-51' Drill Cuttings	Approx. 65 gallons	65 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

OSE OIL SEP 26 2022 PM3:25

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

9/16/2022

Date

Version: September 8, 2009
Page 2 of 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	n/a	C-4664

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	18	7.02	N
	LONGITUDE	103	22	27.99	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE NW SE Sec.15 T23S R33S NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
9/7/2022	9/7/2022	55	±55	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DATE STATIC MEASURED: 9/13/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring	--	--	--	--
					OSE DII SEP 26 2022 PM 3:25		

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04664	POD NO. 1	TRN NO. 732814	
LOCATION 23S. 33E. 15 414		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24	24	Sand, Medium/ fine grained, poorly graded, with caliche, Red	Y ✓ N	
24	29	5	Caliche, consolidated, with sand, White	Y ✓ N	
29	34	5	Sand, Medium/ fine grained, poorly graded, with caliche,Red	Y ✓ N	
34	55	21	Sand, Medium/ fine grained, poorly graded, Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

OSE DII SEP 26 2022 PM3:25

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 9/16/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04664	POD NO. 1	TRN NO. 732814	
LOCATION 23S. 33E. 15 414		WELL TAG ID NO.	PAGE 2 OF 2

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: 732814
File Nbr: C 04664
Well File Nbr: C 04664 POD1

Oct. 03, 2022

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

Greetings:

The above numbered permit was issued in your name on 08/25/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/25/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Vanessa Clements
(575)622-6521

drywell

File No. C-4963 POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

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.

☐ Yes ☑ No Angled/Directional borehole - include schematic and azimuth, inclination, measured depth and true vertical depth.

☒ Temporary Request - Requested Start Date: 4/22/25 Requested End Date: 4/22/26

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Devon Energy	Name: James Hawley/H&R Enterprises, LLC
Contact or Agent: Jim Raley — check here if Agent ☐	Contact or Agent: James Hawley — check here if Agent ☒
Mailing Address: 5315 Buena Vista Drive	Mailing Address: PO 3641
City: Carlsbad	City: Hobbs
State: NM Zip Code: 88220	State: NM Zip Code: 88241
Phone: (575) 885-7541 ☐ Home ☒ Cell Phone (Work):	Phone: (575) 605-3471 ☐ Home ☒ Cell Phone (Work):
E-mail (optional): JIM.RALEY@DVN.COM	E-mail (optional): jhawley@h-r-enterprises.com

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 10/02/2024

File No.: C-4963 POD1	Trn. No.: 785295	Receipt No.: 2-47930
Trans Description (optional): MOV		
Sub-Basin: CUB	PCW/LOG Due Date: 05/12/2026	

OSE DII ROSWELL NM
30 APR '25 AM10:53

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), District V (Aztec) 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:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-4963 POD1	-103.567864	32.282735	UL-D S-27 T-23S R-33E	105'	2"

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:

West of CR 1

Well is on land owned by: NMSLO

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. Attached? ☐ Yes ☒ No

Approximate depth to water (feet): Uknown	Outside diameter of well casing (inches): 2' (Temporary)
Driller Name: James Hawley	Driller License Number: WD-1862

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

One exploratory borehole will be advanced to determine depth of groundwater at the Thistle Unit 20H Remediation site. The borehole will be advanced until groundwater is reached or to a maximum depth of 105' BGS, two inch casing will be installed into the borehole and left for 72 hours. After casing is gauged, it will be pulled and the borehole will be plugged pursuant to NMOSE guidelines. No pump will be installed.

OSE DII ROSWELL NM
30 APR '25 AM10:54

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-4963 POD1 Trn No.: 785295

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 any proposed 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 Mine De-Watering, 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*: ☒ Include the reason for the monitoring well, and, ☒ The duration of the planned monitoring.		**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.	

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), James Hawley

Print Name(s)

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

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 12th day of May 20 25, for the State Engineer,

Elizabeth K. Andersen, P.E.

, State Engineer

By: K. Parekh

Signature

Kashyap Parekh

Print

OSE DII ROSWELL NM
30 APR '25 AM 10:54

Title: Water Resources Manager I

Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-4963 POD1 Trn No.: 785295

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-4963 POD1

File Number: C 04963
Trn Number: 785295

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-4963 POD1 File Number: C 04963
Trn Number: 785295

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04963 POD1 must be completed and the Well Log filed on or before 05/12/2026.

All wells shall be constructed to prevent contaminants from entering the hole from land surface by sealing the annular space around the outermost casing.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 04/30/2025 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

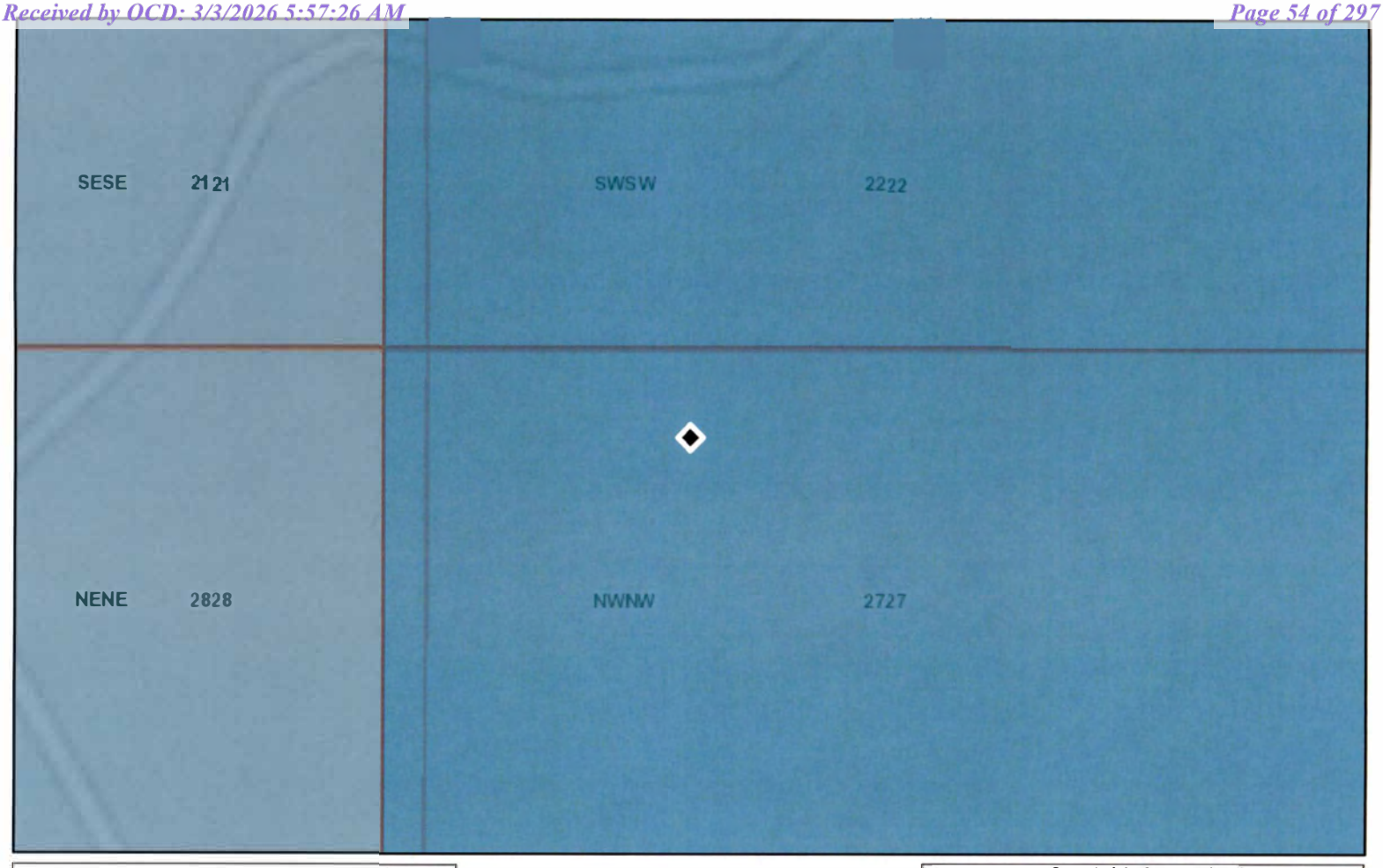
This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 12 day of May A.D., 2025

Elizabeth K. Anderson, P.E., State Engineer

By: _____
KASHYAP PAREKH

Trn Desc: C-4963 POD1 File Number: C 04963
Trn Number: 785295



Coordinates

UTM - NAD 83 (m) - Zone 13

Easting: 634863.095

Northing: 3572675.176

State Plane - NAD 83 (f) - Zone E

Easting: 777898.705

Northing: 467433.883

Degrees Minutes Seconds

Latitude: 32 : 16 : 57.846000

Longitude: -103 : 34 : 4.310400

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:2,257

N

5/12/2025

Office of the State Engineer
nm
Interstate Stream Commission

Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately interprets the source data used in their preparation; however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, rectification, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in
County: Lea
Groundwater Basin: Carlsbad

Abstract Area:
Carlsbad 72-12-1

Regulation Area:
Carlsbad/Capitan/Lea Closure

PLSS Description
NWNWNWNW Qtr of Sec 27 of 023S 033E

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

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null

Legal:

POD Information

Owner:

File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:

NMDOT Roads
Coord Search Location
Mexico Mask
US Mask

GIS WATERS PODs
Active
Pending
Changed Location of Well
Inactive
Capped
Plugged
Unknown
Other

Water Right Regulations
Negative Easement Area
Artesian Plan Area

Critical Management Area - Guidelines
Quality Restriction Area
Local Ordinance Area
Special Condition Area

Closure Area
OSE District Boundary

New Mexico State Trust Lands
Subsurface Estate
Surface Estate
Both Estates
Federal Lands
BLM Land Grant
PLSSTownship
PLSSFirstDivisio
PLSSSecondDivi

Sections

GIS WATERS PODs
Active
Pending
Changed Location of Well
Inactive
Capped
Plugged
Unknown
Unknown
Other

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 785295
File Nbr: C 04963

May. 12, 2025

DEVON ENERGY
JAMES HAWLEY
PO BOX 3641
HOBBS, NM 88241

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.

* You, the permittee, are required to email nm.driller@ose.nm.gov with the following information when the driller is enroute to the drilling site: OSE Permit number, POD number, physical address, driller company and license number, and date/time driller is to be on site.

* 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.nm.gov.

Sincerely,

Guadalupe Castro
(575)622-6521

Enclosure

Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

April 25, 2025

New Mexico Office of the State Engineer
District II
1900 West Second Street
Roswell, New Mexico 88201

Re: Devon Energy Production Company, LP Application for Borehole

To Whom it May Concern:

The State Land Office has authorized Maverick Permian to drill one bore hole in the following location:

NWNW Section 27 Township 23S Range 33E; 32.282735, -103.567864

This activity is authorized under State Land Office Lease #V040570000 to determine the depth of groundwater for the remediation project associated with NMOCD Plug and Abandonment of well

Before processing, please email me a copy of the application submitted to your office so that I can verify that the information provided to you is consistent with the activity that the State Land Office has approved.

Sincerely,

Becky Griffin

Becky Griffin
Environmental Specialist
SRD-Environmental Compliance Office (ECO)
New Mexico State Land Office
bgriffin@nmslo.gov

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/cgmu/ 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-4963-POD1

Name of well owner: Devon Energy

Mailing address: 5315 Buena Vista Drive County:

City: Carlsbad State: NM Zip code: 88220

Phone number: 575-885-7541 E-mail: JIM.RALEY@DVN.COM

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: James Hawley/H&R Enterprises, LLC.

New Mexico Well Driller License No.: WD-1862 Expiration Date: June 16, 2025

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, 16 min, 57.86 sec
Longitude: 103 deg, 34 min, 4.17 sec, NAD 83

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

Temporary well to determine depth of groundwater at remediation site.

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? no 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: 105 feet

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30 APR '25 AM10:55

7) Inside diameter of innermost casing: 2 inches.

8) Casing material: PVC

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): 10ft

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

11) Was the well built with surface casing? no If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:

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

V. DESCRIPTION OF PLANNED WELL PLUGGING:

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

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

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

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

This will be a 6" borehole, we anticipate this to be a dry hole, drill cuttings to 10'BGS, hydrated bentonite chips from 10' BGS to surface.

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

VI. PLUGGING AND SEALING MATERIALS:

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

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

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

3) Theoretical volume of grout required to plug the well to land surface: 154.35

4) Type of Cement proposed: 3/8 bentonite hole plug

5) Proposed cement grout mix: _____ 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

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30 APR '25 AM10:55

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

N/A

8) Additional notes and calculations:

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

VIII. SIGNATURE:

I, James Hawley, 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.

Signature of Applicant — 4/22/25 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 1st day of May, 2025

Elizabeth K. Anderson P.E., New Mexico State Engineer

By: K. Parekh
Kashyap Parekh

Water Resources Manager I

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30 APR '25 AM10:55

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)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

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30 APR '25 AM10:56

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)			0-10' hydrated bentonite chips
Bottom of proposed sealant of grout placement (ft bgl)			10'-105' drill cuttings
Theoretical volume of sealant required per interval (gallons)			154.35
Proposed abandonment sealant (manufacturer and trade name)			Baroid 3/8 hole plug

OSE DII ROSWELL NM
30 APR '25 AM10:56

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. Coffey Drilling (WD-1839) will perform the plugging.

Permittee: Devon Energy
NMOSE Permit Number: C-4963-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4963-POD1	6.0 (Soil Boring)	105.0	Unknown	32.282735°	103.567864°

Specific Plugging Conditions of Approval for Well located in Lea 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. **Groundwater encountered:** The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 154.16 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 105 feet.

3. **Dry Hole**: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 14.68 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. **Groundwater encountered:** Bentonite Pellets. The bentonite shall be hydrated separately and added above static water level, a minimum of 5-gallons of fresh water shall be added to the borehole per 50-lb of bentonite chips.

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

6. Placement of the sealant within the wells shall be by tremie pipe extending 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. The tremie shall be incrementally removed to retain the tremie bottom a limited distance above the top of the rising column of pellets throughout the plugging process.

7. 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.

8. 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.

9. NMOSE witnessing of the plugging of the soil boring will not be required.

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

11. 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 1st day of May 2025

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
DISTRICT II
TELEPHONE: (575) 622-6521 FAX: (575) 623-8559

ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

1900 West Second Street
Roswell, New Mexico 88201

May 1, 2025

Devon Energy
5315 Buena Vista Drive
Carlsbad, NM 88220

RE: Well Plugging Plan of Operations for well No. C-4963-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,

K. Parekh

Kashyap Parekh
Water Resources Manager I

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4963 POD1

Well owner: Devon Energy Phone No.:

Mailing address: 5315 Buena Vista Dr.

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: H&R Enterprises, LLC.

2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer

4) Date well plugging began: 6-5-25 Date well plugging concluded: 6-5-25

5) GPS Well Location: Latitude: 32 deg, 16 min, 57.86 sec
Longitude: 103 deg, 34 min, 4.17 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 80' ft below ground level (bgl), by the following manner: well sounder

7) Static water level measured at initiation of plugging: 70 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 5-1-25

9) Were all plugging activities consistent with an approved plugging plan? no If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Bore hole was expected to be dry but was wet at 70'. Bore hole was plugged by way of tremie pipe with hydrated bentonited hole plug from bottom of bore to surface.

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 80' Hydrated Bentonite	Approx. 118 gallons	118 gallons	Tremie	

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MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller — Date: 6-6-25

Version: September 8, 2009
Page 2 of 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod 1		C-4963

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
5315 Buena Vista Dr.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	16	57.86	N
LONGITUDE	103	34	4.17	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE
S27 T23s R33e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
5-29-25	5-29-25	80'	80'	70'

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 70'

DATE STATIC MEASURED: 6-5-25

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0'	80'	6'	No casing left in hole				

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13 JUN 25 PM 1:25

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4963	POD NO. 1	TRN NO. 785295	
LOCATION 23S.33E.27 111		WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0'	5'	5'	Sandy Topsoil	Y ✓ N	
5'	10'	5'	Sandy Caliche	Y ✓ N	
10'	20'	10'	Caliche	Y ✓ N	
20'	25'	5'	Sandy Caliche	Y ✓ N	
25'	50'	25'	Sand	Y ✓ N	
50'	70'	20'	Sandy Clay	Y ✓ N	
70'	80'	10'	Wet Sandy Clay	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: DTGW Bore

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 6-5-25. DTGW bore was wet at 70'. Temporary well casing was removed, bore hole was plugged by tremie pipe with hydrated bentonite hole plug to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

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13 JUN '25 PM1:25

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

6-6-25 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4963	POD NO. 1	TRN NO. 785295	
LOCATION 23S. 33E. 27 111		WELL TAG ID NO. NA	PAGE 2 OF 2

File No. C-04929 P001

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

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.

☐ Yes ☑ No Angled/Directional borehole - include schematic and azimuth, inclination, measured depth and true vertical depth.

☐ Temporary Request - Requested Start Date: Requested End Date:

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: DEVON ENERGY PRODUCTION COMPANY LP	Name:
Contact or Agent: JIM RALEY check here if Agent ☐	Contact or Agent: check here if Agent ☐
Mailing Address: 5315 BUENA VISTA DRIVE	Mailing Address: OSE D2 ROSWELL, NM 22 JAN 29 A 10:38
City: CARLSBAD	City:
State: NM Zip Code: 88220	State: Zip Code:
Phone: (575) 885-7541 ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): NM	E-mail (optional):

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 10/02/2024

File No.: C-04929	Trn. No.: 776877	Receipt No.: 2-47638
Trans Description (optional):		
Sub-Basin: CUB	PCW/LOG Due Date: 1/24/26	

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), District V (Aztec) 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:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-04929 POD1(TW-1)	103°32'54.6	32°16'59.1	SE SW SW Sec. 23 T23S R33E	55	6.25 boring

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:

HOGNOSE VIPER 23 FEDERAL

Well is on land owned by: Bureau of Land Management

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. Attached? ☐ Yes ■ No

Approximate depth to water (feet): unknown	Outside diameter of well casing (inches): 6.25 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 10/02/2024

File No.: C-04929 POD1 Trn No.: 776877

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 any proposed 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 Mine De-Watering, 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*: ☐ Include the reason for the monitoring well, and, ☐ The duration of the planned monitoring.		**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.	

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), JIM RALEY

Print Name(s)

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

Jim Raley (Jan 21, 2025 13:19 MST)

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

OSE DIV ROSWELL NM
22 JAN '25 AM10:33

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 24th day of January 20 25, for the State Engineer.

ELIZABETH K. ANDERSON, P.E. State Engineer

By: K.Parekh KASHYAP PAREKH

Signature Print

Title: WATER RESOURCE MANAGER I

Print

GREAT SEAL OF THE STATE OF NEW MEXICO 1912

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-04929 POD1 Trn No.: 776877

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 04929 POD1 File Number: C 04929
Trn Number: 776877

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 04929 POD1 File Number: C 04929
Trn Number: 776877

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04929 POD1 must be completed and the Well Log filed on or before 01/24/2026.

IT IS THE PERMITTEE'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: 01/22/2025 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 24 day of Jan A.D., 2025

Elizabeth K. Anderson, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04929 POD1 File Number: C 04929
Trn Number: 776877

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)
NMNM121489

January 21, 2025

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

Re: HOGNOSE VIPER 23 FED 1H
Sec 23, TS 23S, RE 33E
Lea County, New Mexico

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 LP 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 1/11 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 Digitally signed by CRISHA MORGAN
Date: 2025.01.21 10:33:50 -07'00'

Crisha A. Morgan
Certified Environmental Protection Specialist

AFMSS

U.S. Department of the Inter...
BUREAU OF LAND MANAGEMENT

...ndry Print Report
01/21/2025

Well Name: HOGNOSE VIPER 23 FED

Well Location: T23S / R33E / SEC 23 / SWSW / 32.282972 / -103.55167

County or Parish/State: LEA / NM

Well Number: 1H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM121489

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002541975

Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2832730

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 01/20/2025

Time Sundry Submitted: 08:45

Date proposed operation will begin: 02/12/2025

Procedure Description: Devon Energy Production Company, LP requests access to off pad areas associated with the Hognose Viper 23 Fed 1H (nAPP2432652685) located at (32.28398889°, -103.54963333°) in Unit M, Section 23, Township Range 23S, Range 33E, for southeast pasture just off the well pad in, located at (32.2830056°, -103.5484432°), to access area in order to depth to water exploratory drilling associated with a reportable produced water release (Incident Number nAPP2432652685) which occurred in November 21, 2024. Terracon Consultants, Inc (Terracon) on behalf of Devon has consulted with qualified biologist and an archaeologist from Terracon for an assessment evaluation related to biological and cultural aspects. Based on their evaluation, all biological and cultural rules have been adhered to for this assessment. Drilling will be conducted in the southeast corner on-pad area, by using truck mounted drilling rig and will be drilled to a depth of 55' bgs (No water is anticipated due to surrounding well data). Following 72hr the drill hole will be inspected for water and then plug per New Mexico Office of the State Engineer (OSE) guidelines. A site map and kmz depicting the land access boundary for surface disturbance is included.

Surface Disturbance

OSE DII ROSWELL NM
22 JAN '25 AM10:33

Is any additional surface disturbance proposed?: No

Well Name: HOGNOSE V 23 FED **Well Location:** T23S / R33E / SEC 23 / SWSW / 32.282972 / -103.55167 **ty or Parish/State:** LEA / .....

Well Number: 1H **Type of Well:** OIL WELL **Allottee or Tribe Name:**

Lease Number: NMNM121489 **Unit or CA Name:** **Unit or CA Number:**

US Well Number: 3002541975 **Operator:** DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

20250121_HOGNOSE_VIPER_MAP_20250121103421.pdf

20250121_HOGNOSE_VIPER_MAP_20250121102953.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JIM RALEY **Signed on:** JAN 20, 2025 08:45 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: EHS Professional

Street Address: 5315 BUENA VISTA DRIVE

City: CARLSBAD **State:** NM

Phone: (575) 885-7541

Email address: JIM.RALEY@DVN.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN **BLM POC Title:** Environmental Protection Specialist

BLM POC Phone: 5752345987 **BLM POC Email Address:** camorgan@blm.gov

Disposition: Approved **Disposition Date:** 01/21/2025

Signature: CRISHA A. MORGAN

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM121489

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
HOGNOSE VIPER 23 FED/1H

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP

9. API Well No. 3002541975

3a. Address 333 WEST SHERIDAN AVE, OKLAHOMA CITY,

3b. Phone No. *(include area code)* (405) 235-3611

10. Field and Pool or Exploratory Area
RED HILLS/BELL LAKE

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SEC 23/T23S/R33E/NMP

11. Country or Parish, State
LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Devon Energy Production Company, LP requests access to off pad areas associated with the Hognose Viper 23 Fed 1H (nAPP2432652685) located at (32.28398889, -103.54963333) in Unit M, Section 23, Township Range 23S, Range 33E, for southeast pasture just off the well pad in, located at (32.2830056, -103.5484432), to access area in order to depth to water exploratory drilling associated with a reportable produced water release (Incident Number nAPP2432652685) which occurred in November 21, 2024. Terracon Consultants, Inc (Terracon) on behalf of Devon has consulted with qualified biologist and an archaeologist from Terracon for an assessment evaluation related to biological and cultural aspects. Based on their evaluation, all biological and cultural rules have been adhered to for this assessment. Drilling will be conducted in the southeast corner on-pad area, by using truck mounted drilling rig and will be drilled to a depth of 55 bgs (No water is anticipated due to surrounding well data). Following 72hr the drill hole will be inspected for water and then plug per New Mexico Office of the State Engineer (OSE) guidelines. A site map and kmz depicting the land access boundary for surface disturbance is included.

OSE DII ROSWELL NM
22 JAN '25 AM10:34

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
JIM RALEY / Ph: (575) 885-7541

Title EHS Professional

Signature (Electronic Submission)

Date 01/20/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by
CRISHA A MORGAN / Ph: (575) 234-5987 / Approved

Title Environmental Protection Speciali

Date 01/21/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SWSW / 200 FSL / 850 FWL / TWSP: 23S / RANGE: 33E / SECTION: 23 / LAT: 32.282972 / LONG: -103.55167 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 200 FSL / 850 FWL / TWSP: 23S / RANGE: 33E / SECTION: 23 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BHL: NWNW / 330 FNL / 660 FWL / TWSP: 23S / RANGE: 33E / SECTION: 23 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Sundry Request

Site Name: Hognose Viper 23 Fed 1H

Facility Number: nAPP2432652685

Type of Submission: Notice of Intent

Type of Action: Other (Depth to Water Drilling)

Date Proposed Operation Will Begin: 02/12/2025.

Time Proposed Operation Will Begin: 08:00

Procedure Description:

Devon Energy Production Company, LP requests access to off pad areas associated with the Hognose Viper 23 Fed 1H (nAPP2432652685) located at (32.28398889°, -103.54963333°) in Unit M, Section 23, Township Range 23S, Range 33E, for southeast pasture just off the well pad in, located at (32.2830056°, -103.5484432°), to access area in order to depth to water exploratory drilling associated with a reportable produced water release (Incident Number nAPP2432652685) which occurred in November 21, 2024. Terracon Consultants, Inc (Terracon) on behalf of Devon has consulted with qualified biologist and an archaeologist from Terracon for an assessment evaluation related to biological and cultural aspects. Based on their evaluation, all biological and cultural rules have been adhered to for this assessment. Drilling will be conducted in the southeast corner on-pad area, by using truck mounted drilling rig and will be drilled to a depth of 55' bgs (No water is anticipated due to surrounding well data). Following 72hr the drill hole will be inspected for water and then plug per New Mexico Office of the State Engineer (OSE) guidelines. A site map and kmz depicting the land access boundary for surface disturbance is included.

Is any additional surface disturbance proposed? No

If Yes:

- **Proposed Disturbance (acres):**
- **Remediation (acres):**
- **Long Term Disturbance (acres):**
- **Surface Disturbance:**

Field Representative First Name: Lucas

Representative Last Name: Middleton

Address: 2409 W. 2nd St.

City: Roswell

State: NM

Zip: 88201

Phone Number: 575-624-2420

Email address: lucas@atkinseng.com

DTW Boring

Sundry Boundary

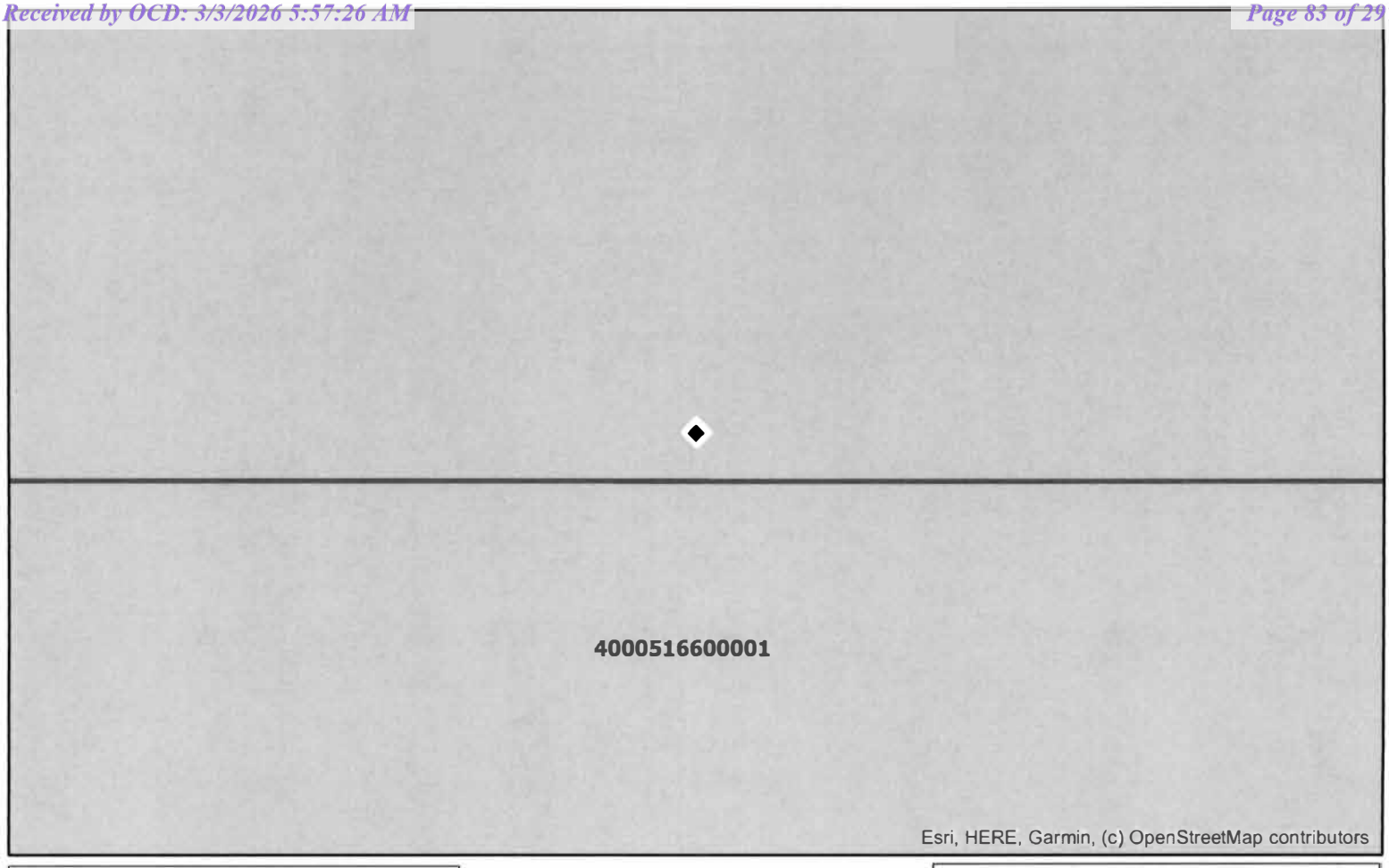
Project No.:	KH247059
Date:	Jan 17 2025
Drawn By:	JWL
Reviewed By:	JRG

Terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Sundry Request Map

Hognose Viper 23 Fed 1H
32.2830056, -103.5484432
Devon Energy Corp
Lea County, New Mexico

Exhibit



Coordinates

UTM - NAD 83 (m) - Zone 13
Easting 636686.220
Northing 3572738.309

State Plane - NAD 83 (f) - Zone E
Easting 783882.130
Northing 467603.851

Degrees Minutes Seconds
Latitude 32 : 16 : 59.100000
Longitude -103 : 32 : 54.600000

Location pulled from Coordinate Search

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:2,257

N

1/24/2025

Office of the State Engineer
nm
Interstate Stream Commission

Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately represent the source data used in their preparation, however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, classification, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in Land Grant
County: Lea
Groundwater Basin: Carlsbad
Abstract Area:
Carlsbad 72-12-1
Carlsbad Underground Basin

Regulation Area:
Carlsbad/Capitan/Lea Closure

PLSS Description
SESESWSW Qtr of Sec 23 of 023S 033E

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

Parcel Information

UPC/DocNum:
Parcel Owner:
Address:null null null

Legal:

POD Information

Owner:
File Number:
POD Status: NoData
Permit Status: NoData
Permit Use: NoData
Purpose:

- Coord Search Location
- Water Right Regulations
- Closure Area
- Artesian Planning Area
- OSE District Boundary
- Bernalillo County Parcels 2024
- Catron County Parcels 2024
- Chaves County Parcels 2024
- Cibola County Parcels 2024
- Colfax County Parcels 2024
- Curry County Parcels 2024
- De Baca County Parcels 2024
- Doña Ana County Parcels 2024
- Eddy County Parcels 2024
- Grant County Parcels 2024
- Guadalupe County Parcels 2024
- Harding County Parcels 2024
- Hidalgo County Parcels 2024
- Lea County Parcels 2024
- Lincoln County Parcels 2024
- Los Alamos County Parcels 2024
- Luna County Parcels 2024
- McKinley County Parcels 2024
- Mora County Parcels 2024
- Otero County Parcels 2024
- Quay County Parcels 2024
- Rio Arriba County Parcels 2024
- Roosevelt County Parcels 2024
- Sandoval County Parcels 2024
- San Juan County Parcels 2024
- San Miguel County Parcels 2024
- Santa Fe County Parcels 2024
- Sierra County Parcels 2024
- Socorro County Parcels 2024
- Taos County Parcels 2024
- Torrance County Parcels 2024
- Union County Parcels 2024
- Valencia County Parcels 2024

Elizabeth K. Anderson, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 776877
File Nbr: C 04929

Jan. 24, 2025

JIM RALEY
DEVON ENERGY PRODUCTION CO. LP
5315 BUENA VISTA DRIVE
CARLSBAD, NM 88220

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.

* You, the permittee, are required to email nm.driller@ose.nm.gov with the following information when the driller is enroute to the drilling site: OSE Permit number, POD number, physical address, driller company and license number, and date/time driller is to be on site.

* 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.nm.gov.

Sincerely,

Rodolfo Chavez
(575)622-6521

Enclosure

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-4929- (POD-1)

Name of well owner: DEVON ENERGY PRODUCTION COMPANY LP

Mailing address: 5315 BUENA VISTA DRIVE County:

City: CARLSBAD State: NM Zip code: 88220

Phone number: 575-885-7541 E-mail:

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: 04/30/2025

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, 16 min, 59.1 sec
Longitude: 103 deg, 32 min, 54.6 sec, NAD 83

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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: 6.25 boring inches.

8) Casing material: 1" or 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

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22 JAN '25 AM10:34

VI. PLUGGING AND SEALING MATERIALS:

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

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

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

3) Theoretical volume of grout required to plug the well to land surface: 87

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 6.25" borehole will be plugged.

VIII. SIGNATURE:

I, JIM RALEY, 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.

Jim Raley (Jan 21, 2025 13:19 MST) 1/21/2025

Signature of Applicant Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

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22 JAN '25 AM10:27

X Approved subject to the attached conditions.

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

Witness my hand and official seal this 23rd day of January 2025,

Elizabeth K. Anderson P.E.

K. Parekh, New Mexico State Engineer

Kashyap Parekh

By: Water Resources Manager I

WD-08 Well Plugging Plan
Version: March 07, 2022
Page 3 of 5

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	87
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

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

2025-1-21-C-XXXXX-WR-07-packet-forsign

Final Audit Report 2025-01-21

Created:	2025-01-21
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAKeNYIy3JqTxvUiS9ZDLc4TQo9bxvJ3Yx

"2025-1-21-C-XXXXX-WR-07-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
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Document emailed to Jim Raley (jim.raley@dvn.com) for signature
2025-01-21 - 8:16:06 PM GMT

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Document e-signed by Jim Raley (jim.raley@dvn.com)
Signature Date: 2025-01-21 - 8:19:37 PM GMT - Time Source: server

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STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
DISTRICT II
TELEPHONE: (575) 622-6521 FAX: (575) 623-8559

ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

1900 West Second Street
Roswell, New Mexico 88201

January 23, 2025

Devon Energy Production Company LP
5315 Buena Vista Drive
Carlsbad, NM 88220

RE: Well Plugging Plan of Operations for well No. C-4929-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,

K. Parekh

Kashyap Parekh
Water Resources Manager I

Office of the State Engineer
State of New Mexico

DISTRICT 2 OFFICE

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

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

Permittee: Devon Energy Production Company LP
NMOSE Permit Number: C-4929-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4929-POD1	6.25 (borehole)	55.0	Unknown	32° 16' 59.1"	103° 32' 54.6"

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

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 87.62 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 55.0 feet.

3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 15.93 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 4. and 5. 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 soil boring 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 23rd day of January 2025

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4 92 9POD 1

Well owner: Devon Energy Production Company LP Phone No.: _____

Mailing address: 5315 Buena Vista

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 124 9 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cameron Pruitt

4) Date well plugging began: 03/04/2025 Date well plugging concluded: 0 3/04/ 202 5

5) GPS Well Location: Latitude: 32 deg, 16 min, 59.1 sec
Longitude: 103 deg, 32 min, 54.6 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: Water level probe

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 01/14/2025

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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11 MAR '25 AM10:34

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Boring	
	10'-55' Drill Cuttings	Approx. 72 gallons	72 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Ja[illegible].ins (Mar 10, 2025 15:39 MDT) 03/10/2025

Signature of Well Driller Date

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4929

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Production Company LP	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
5315 Buena Vista	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	16	59.1	N
LONGITUDE	103	32	54.6	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Hognose Viper 23 Federal,SE SW SW Sec.23 T23SR33E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
2/11/25	2/11/25	Temporary Well Material	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 03/04/2025

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.25	Soil Boring	--	--	--	--

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3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4929	POD NO. 1	TRN NO. 776877
LOCATION 23S. 33E. 23 433	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24	24	Sand/Caliche, fine-grained ,Tan	Y ✓ N	
24	49	25	Sand/Slight Caliche, fine-grained ,Brown	Y ✓ N	
49	55	6	Sand, Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. . See attach plugging record. Logs adapted from onsite Terracon Personal

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins (Mar 10, 2025 15:39 MDT) Jackie D. Atkins 03/10/2025

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4929	POD NO. 1	TRN NO. 776877	
LOCATION 23S.33E.23 433		WELL TAG ID NO. NA	PAGE 2 OF 2

Fi . C-3582

NEW MEXICO OFFICE OF THE STATE ENGINEER

CHANGE OF OWNERSHIP OF 72-12-1 PERMIT FOR (check one):

☐ **Individual**	☐ **Corporation**
☐ **Trustee**	☐ **Partnership**
☐ **Estate**	☒ **Limited Liability Co.**

1. OWNER OF RECORD (Seller)

Name: Limestone Livestock, LLC	Name:	
Phone: ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):	
a. Owner of Record File No: C-3582	**b.** Sub-file No.: n/a	**c.** Cause No.: n/a

2. NEW OWNER (Buyer) Note: If more owners need to be listed, attach a separate sheet. Attached? ☐ Yes

Name: Limestone Basin Properties Ranch, LLC	Name:
Contact or Agent: check here if Agent ☐ John Langdon	Contact or Agent: check here if Agent ☐
Mailing Address: 3300 North A Street, Building 1, Suite 220	Mailing Address:
City: Midland	City:
State: **TX** Zip Code: **79705**	State: Zip Code:
Phone: ☐ Home ☐ Cell Phone (Work): (210)-835-8057	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): john@bpranches.com	E-mail (optional):

Required: Submit warranty deed(s) or other instrument(s) of conveyance properly recorded with the county clerk's office.

3. PURPOSE OF USE & AMOUNT CONVEYED

Check all that apply: ☐ Domestic ☒ Livestock ☐ Multiple House ☐ Drinking & Sanitary	Amount of Water (acre-feet per annum): 3.0

4. LIST ALL KNOWN WELL (POD) FOR THE 72-12-1 PERMIT CONVEYED

OSE POD No.	Well Tag ID No. (if applicable)	Subdivision	Section or X	Township or Y	Range
C-3582 POD1	n/a	SE/4NW/4NW/4	14	23S	33E

5. CHECK HERE IF WELL IS SHARED BY MULTIPLE HOUSEHOLDS: ☐

Note: Attach an updated list of lots served and owner contact information.

FOR OSE INTERNAL USE — Change of Ownership, Form wr-02d, Rev 9/08/17

File No.: C-3582	Trn. No.: 642063	Well Tag ID No. (if applicable): —
Trans Desc. (optional): COWP	Sub-Basin: C	Receipt No.: 2-40579

6. ADDITIONAL STATEMENTS OR EXPLANATIONS

For questions and to return for filing with the appropriate County Clerk, please return to:
Attn: Chris Cortez, Atkins Engineering Associates,Inc.
2904 W 2nd St.
Roswell, NM 88201

ACKNOWLEDGEMENT FOR INDIVIDUAL

I, We (name of owner(s)), _____
Print Name(s)

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

_____ _____
Signature Signature

State of _____)
ss.
County of _____)

This instrument was acknowledged before me this _____ day of _____ A.D., 20 _____, by (name of owner(s)):

_____

Notary Public: _____
My commission expires: _____

ACKNOWLEDGEMENT FOR CORPORATION

I, We (name of owner(s)), John Langdon, CFO on behalf of Limestone Basin Properties Ranch, LLC
Print Name(s)

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

_____ _____
Officer Signature Officer Signature

State of Texas)
ss.
County of Midland)

This instrument was acknowledged before me this 31 day of January A.D., 20 19, by the following on behalf of said corporation.

Name of Officer: John Langdon
Title of Officer: CFO
Name of Corporation Acknowledging: Limestone Basin Properties Ranch, LLC
State of Corporation: Delware

TARA L MASTERS
NOTARY PUBLIC
STATE OF TEXAS
MY COMM. EXP. 3/12/20
NOTARY ID 12891865-2

Notary Public: _____
My commission expires: 3/12/20

FOR OSE INTERNAL USE Change of Ownership, Form wr-02d, Rev 9/08/17

File No.: C-3582	Trn. No.: 642063	Well Tag ID No. (if applicable): —
Trans Desc. (optional): COURT	Sub-Basin: C	Receipt No.: 2-40579

Page 2 of 2

QUITCLAIM WATER DEED AND ASSIGNMENT

LIMESTONE LIVESTOCK, LLC, a New Mexico limited liability company ("**Grantor**"), for consideration paid, quitclaims, grants and assigns to **LIMESTONE BASIN PROPERTIES RANCH, LLC**, a Delaware limited liability company, having an address of 18 Desta Drive, Midland, Texas 79705 ("**Grantee**"), the following, pertaining to or located on or above (a) the real property in Lea County, New Mexico more particularly described on **Exhibit A** attached hereto and incorporated herein (the "**Deeded Land**"), (b) the real property subject to New Mexico State Agricultural Leases Nos. GR 2287, GT 2728 and GT 3124 (the "**State Lease Land**"), and (c) and the real property subject to the San Simon Swale I-76048 and San Simon Swale II-76148 Federal grazing allotment permits (the "**Federal Lease Land**"; the Deeded Land, the State Lease Land and the Federal Lease Land referred to, collectively, as the "**Land**"): any and all water, water rights, flood rights and other rights relating to water, whether perfected or unperfected, decreed or undecreed, adjudicated or unadjudicated, licensed or unlicensed, permitted or unpermitted, declared or undeclared, Mendenhall, surface or underground, appropriated or unappropriated, or other, associated with or held, used, or useful in connection with, or with points of diversion or places of use on, the Lands, including, without limitation, all rights, titles and interests in, to and under the New Mexico State Engineer File Numbers listed on **Exhibit B** attached hereto and incorporated herein, TOGETHER WITH any and all (i) rights, titles, interests and claims in, to or under, and applications and permits for, associated with or relating to any of the foregoing; (ii) storage rights, purchase contracts, sale contracts, leases, taps, withdrawal rights, diversion rights, rights, claims and entitlements associated with beneficial use, and other rights, in, to or under or associated with or relating to any of the foregoing; (iii) pending and approved applications for permits, and permits, to appropriate water for any purpose from a point of diversion or place of use on the Land or to drill a water well on the Land for any purpose, including but not limited to exploration for or production of water or for monitoring water levels or water quality; (iv) canals and canal rights, ditches and ditch rights, acequia and acequia rights, springs and spring rights, and reservoirs and reservoir rights, located or having a place of use on, or relating to water or water rights associated with or held, used or useful in connection with, or with points of diversion or places of use on, the Land; (v) shares of stock and other interests in any irrigation, ditch or reservoir company that provides, may provide, or has provided water to the Land; (vi) all water wells (including, without limitation, domestic, livestock, commercial, industrial, exploration, monitoring and irrigation wells), and rights associated with water wells on or having a place of use on, or relating to water or water rights associated with or held, used or useful in connection with, or with points of diversion on, the Land; (vii) points of diversion, water well bores, water exploration drill holes, pumps, pumping stations, motors, meters, casing, tubing, pipes, pipelines, pipeline equipment and facilities, irrigation equipment and facilities, livestock, game and other animal watering equipment and facilities, electric power lines and other utility equipment and facilities, tanks, dams, weirs, other diversion works, ditches, acequias, headgates, turnouts, and other equipment, facilities, property, structures and devices associated with, used or useful in connection with any of the foregoing, including without limitation the diversion, conveyance, measurement, storage or use of the foregoing water, water rights, other rights, applications, permits, claims, entitlements and contracts, or located on the Land, or relating to water or water rights associated with or held, used or useful in connection with, or with points of diversion and/or places of use on, the Land; (viii) easements, rights of way, licenses, use permits, water well permits, other permits, covenants, contract rights, applications, claims, entitlements, contracts, leases, and other rights, titles and interests associated with or held, used or useful in

US 5849615

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
1 of 6
10/09/2018 04:11 PM
BY ANGIE BEAUCHAMP

connection with, any of the foregoing; and (ix) rents, income, profits, proceeds, and products of and from any of the foregoing.

ALL WELLS, PIPELINE SYSTEMS AND DRINKING TROUGHS ARE TRANSFERRED IN THEIR "AS IS" CONDITION AND WITHOUT ANY WARRANTIES AS TO CONDITION OR FITNESS BY EXPRESS OR IMPLIED.

FURTHER THE PROPERTY CONVEYED BY THIS QUITCLAIM DEED IS TRANSFERRED WITH NO REPRESENTATION OR WARRANTY AS TO THE CONDITION OF THE PROPERTY, INCLUDING, BUT NOT LIMITED TO ANY ENVIRONMENTAL CONDITION OR HAZARD.

[SIGNATURE AND ACKNOWLEDGEMENT PAGE FOLLOWS]

US 5849615

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
2 of 6
10/09/2018 04:11 PM
BY ANGIE BEAUCHAMP

IN WITNESS WHEREOF, Grantor has caused these presents to be executed as of this 9 day of Oct, 2018.

GRANTOR:

LIMESTONE LIVESTOCK, LLC, a New Mexico limited liability company

By: _____
Name: Bill Angell
Title: Manager

State of New Mexico)
) ss.
County of Lea)

This instrument was acknowledged before me on Oct 9, 2018, by Bill Angell, as Manager of Limestone Livestock, LLC, a New Mexico limited liability company.

(Seal, if any)

_____
Notary Public

My Commission Expires:

OFFICIAL SEAL
David Pyeatt
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 12-5-19

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
3 of 6
10/09/2018 04:11 PM
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[Signature Page to Quitclaim Water Deed and Assignment]

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
4 of 6
10/09/2018 04:11 PM
BY ANGIE BEAUCHAMP

EXHIBIT A

The Deeded Land

PARCEL ONE
Township 23 South, Range 34 East, N.M.P.M., Lea County, New Mexico
Section 10: W/2W/2
Section 11: E/2, W/2
Section 12: ALL
Section 13: NE/4NE/4
Section 14: W/2
Section 15: W/2
Section 23: NE/4SE/4
Section 34: SW/4SW/4, S/2SE/4, N/2, N/2SE/4, E/2SW/4
Section 35: ALL
Section 36: ALL

Township 23 South, Range 35 East, N.M.P.M., Lea County, New Mexico
Section 4: S/2
Section 7: Lots 1, 2, 3 and 4, E/2W/2 , E/2
Section 9: ALL
Section 16: ALL
Section 17: N/2N/2, S/2, S/2NE/4, S/2NW/4
Section 18: Lots 1, 2, 3 and 4, SE/4NW/4, NE/4SW/4, NW/4SE/4, SW/4NE/4, NE4/NW/4, N/2NE/4, SE/4NE/4, E/2SE/4, SW/4SE/4, SE/4SW/4
Section 19: S/2S/2
Section 20: W/2W/2, SE/4SW/4, S/2SE/4
Section 21: ALL
Section 28: ALL
Section 29: W/2W/2, NE/4NW/4, N/2NE/4
Section 30: N/2N/2
Section 31: Lots 1, 2, 3 and 4, SE/4SW/4, E/2NW/4, E/2, NE/4SW/4
Section 32: All
Section 33: All

PARCEL TWO
Township 22 South, Range 34 East, N.M.P.M.
Section 31: S/2S/2
Section 32: All
Section 33: S/2S/2
Section 34: W/2W/2
Section 35: S/2S/2, NE/4SE/4, E/2NE/4

Township 23 South, Range 33 East, N.M.P.M.
Section 1: Lot 3, SE/4NW/4, E/2SW/4
Section 12: S/2NW/4, N/2SW/4
Section 13: NW/4, S/2NE/4, N/2NE/4
Section 14: NE/4, S/2NW/4, N/2NW/4
Section 17: SE/4

US 5849615

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
5 of 6
10/09/2018 04:11 PM
BY ANGIE BEAUCHAMP

Township 23 South, Range 34 East, N.M.P.M.
Section 3: W/2NW/4, SW/4SW/4
Section 4: Lots 1, 2, 3, 4, S/2N/2, N/2SW/4, SE/4SW/4, W/2SE/4, SE/4SE/4
Section 5: Lot 1, SE/4NE/4, W/2NE/4, SE/4
Section 8: N/2
Section 16: All
Section 18: All
Section 21: S/2, N/2
Section 28: All
Section 29: All
Section 31: Lots 1, 2, 3, 4, E/2W/2 and E/2
Section 32: All
Section 33: SW/4SW/4, SW/4SE/4, N/2, N/2S/2, SE/4SW/4, SE/4SE/4

Township 23 South, Range 35 East, N.M.P.M.
Section 5: Lot 4, SW/4NW/4, NW/4SW/4, S/2S/2
Section 6: Lot 6, SW/4SW/4, E/2 SW/4, SE/4

US 5849615

LEA COUNTY, NM
KEITH MANES, COUNTY CLERK
31405
Book 2140 Page 495
6 of 6
10/09/2018 04:11 PM
BY ANGIE BEAUCHAMP

EXHIBIT B

STATE ENGINEER WELL FILE NUMBERS

C 2581
C 3562
C 3563
C 3564
C 3582
C 3620

CP 614 POD 1
CP 872 POD 1
CP 1073 POD 1
CP 1074 POD 1
CP 1075 POD 1
CP 1099 POD 1
CP 1100 POD 1
CP 1120 POD 1
CP 1622 POD 1
CP-1705 POD 1
CP 1706 POD 1
CP-1708 POD 1
CP 1730 POD 1
CP 1740 POD 1

STATE ENGINEER APPROPRIATION & SUPPLEMENTAL WELL FILE NUMBERS

CP 614
CP 876
CP 1073
CP 1703 POD 2
CP 1074
CP 1704 POD 2
CP 1075
CP 1099
CP 1100
CP 1622
CP 1686
CP 1706
CP-1709
CP 1729
CP 1730
CP 1740

US 5849615

John R. D Antonio, Jr., P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 642063
File Nbr: C 03582

Mar. 21, 2019

JOHN LANGDON
LIMESTONE BASIN PROPERTIES RANCH, LLC
3300 NORTH A ST
BUILDING 1 STE 220
MIDLAND, TX 79705

Greetings:

Enclosed is one original copy of a Change of Ownership of a Water Right submitted to this office for filing. This Change of Ownership is accepted for filing in accordance with Section 72-1-2.1, NMSA 1978 (1996 Supp.), effective May 15, 1996. The acceptance by the State Engineer Office does not constitute validation of the right claimed.

According to Section 72-1-2.1, NMSA 1978 (1996 Supp.), you must record this Change of Ownership with the clerk of the county in which the water is located. The filing shall be public notice of the existence and contents of the instruments so recorded.

Sincerely,

Maret Amaral
(575)622-6521

Enclosure

chngowrc

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 NOV 21 A 10: 14

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER): C-03582	OSE FILE NUMBER(S): C03582
WELL OWNER NAME(S): Bill Angel	PHONE (OPTIONAL): 575-369-6303
WELL OWNER MAILING ADDRESS: PO Box 190	CITY: Lovington STATE: nm ZIP: 88260

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	18	34.2	N
LONGITUDE	103	32	57.0	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼		☐ NORTH ☐ SOUTH	☐ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1682	John Norris	Hungry Horse LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10-1-12	10-18-12	590	590	

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT):

DRILLING FLUID: ☐ AIR ☒ MUD ☐ ADDITIVES – SPECIFY:

DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	590	12"	PVC	glued	6"	3/8	40

4. WATER-BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)
18	65	47	Sand	UK
95	110	15	Sand	UK
230	236	6	Sand	UK
383	391	8	Sand	UK
410	416	6	Sand	UK

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: N/A

TOTAL ESTIMATED WELL YIELD (GPM):

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	C-3582	POD NUMBER		TRN NUMBER	515767
LOCATION	5TR	23S.33E.	4.114		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED
☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY: Unknown

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	20	12	grout/cement	8	top

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	7	7	topsoil	☐ YES ☒ NO
7	18	11	caliche	☐ YES ☒ NO
18	65	47	Sand	☒ YES ☐ NO
65	80	15	Rock	☐ YES ☒ NO
80	95	15	Red clay	☒ YES ☐ NO
95	110	15	Sand	☒ YES ☐ NO
110	230	120	Red clay	☒ YES ☐ NO
230	236	6	Sand	☒ YES ☐ NO
236	310	74	Red clay	☒ YES ☐ NO
310	362	52	Sand clay	☒ YES ☐ NO
362	383	21	Red clay	☒ YES ☐ NO
383	391	8	Sand	☒ YES ☐ NO
391	410	19	Red clay	☒ YES ☐ NO
410	416	6	Sand	☒ YES ☐ NO
416	513	97	Red clay	☒ YES ☐ NO
513	520	104	Sand	☒ YES ☐ NO
520	590	70	Red clay	☒ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO.

WELL TEST — METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY: N/A

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS:

2012 NOV 21 A 10 STATE ENGINEER OFFICE ROSWELL, NM

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER — DATE: 11-19-12

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	C-3582	POD NUMBER		TRN NUMBER	510107
LOCATION	5TK	23S.33E.14.114		PAGE 2 OF 2	

U.S. Fish and Wildlife Service
National Wetlands Inventory

North Thistle Pipeline

Nearest Significant Watercourse: Riverine
Distance: 1.18 miles

December 5, 2025

Wetlands

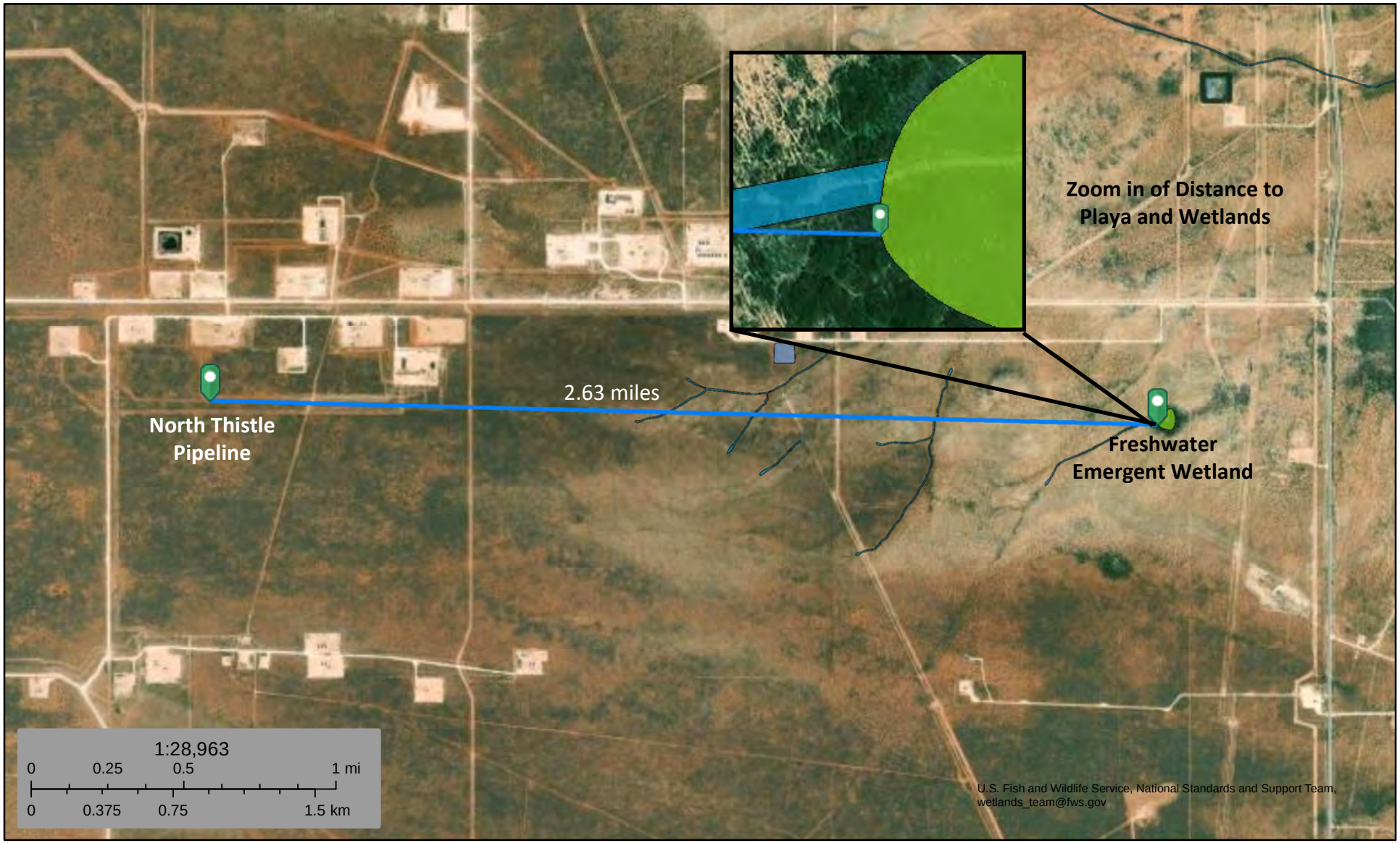
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

North Thistle Pipeline

Nearest Playa/Wetlands: Freshwater Emergent Wetland
Distance: 2.63 miles



December 26, 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

North Thistle Pipeline

Distance to Nearest Residence: 2 miles

Legend

- Distance to Residence
- North Thistle Pipeline

North Thistle Pipeline

2 miles

Residence

Zoom in of Distance to Residence

Google Earth

Image © 2026 Airbus

4000 ft

N

North Thistle Pipeline

Nearest Municipal Boundary: Eunice, NM
Distance: 21.73 miles

Legend

- Distance to Municipal Boundary
- Municipal Boundary
- North Thistle Pipeline

176

176

176

21.73 miles

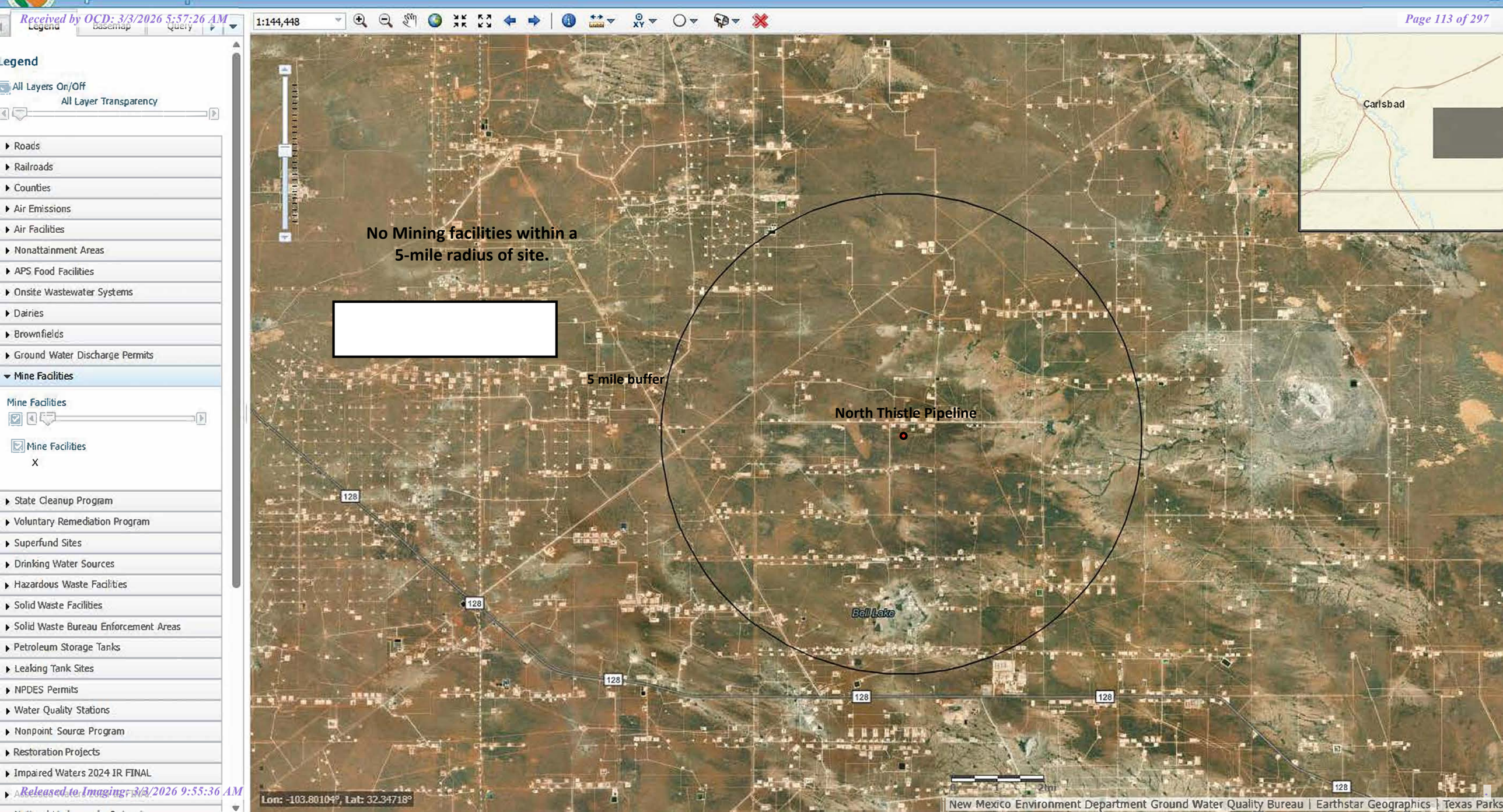
North Thistle Pipeline

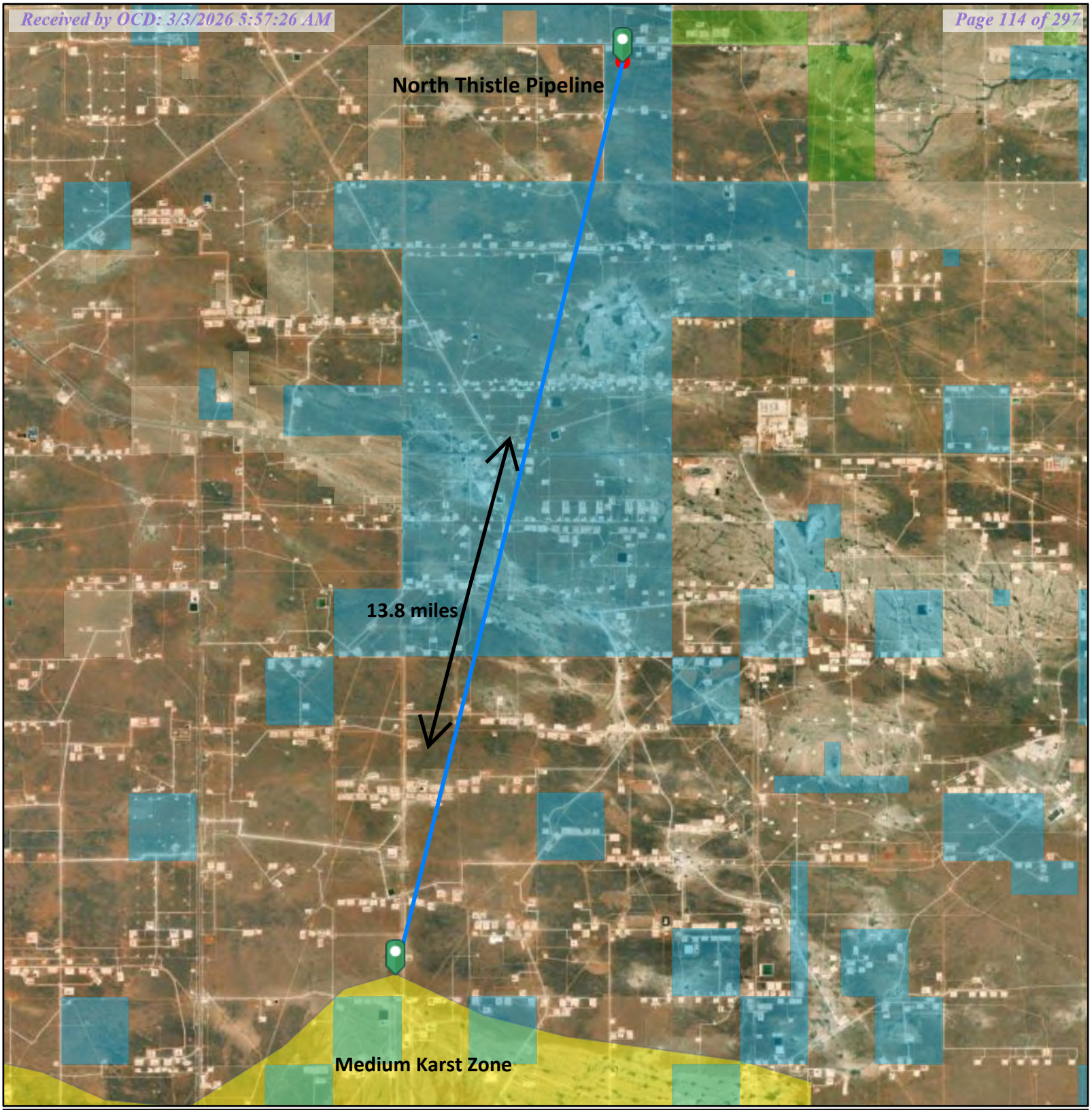
Zoom in of Distance to Municipal Boundary

Google Earth

N

7 mi





North Thistle ROW Karst Potential

0 0.75 1.5 3 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: 12/4/2025

User drawn points

New Mexico State Trust Lands

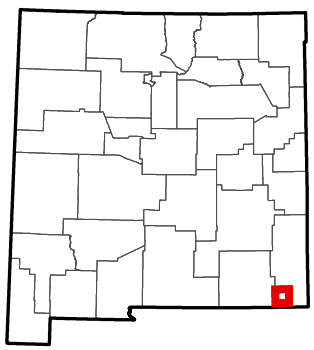
- Subsurface Estate
- Surface Estate
- Both Estates

Karst_Potential_NM

Potential

- Critical
- High
- Medium

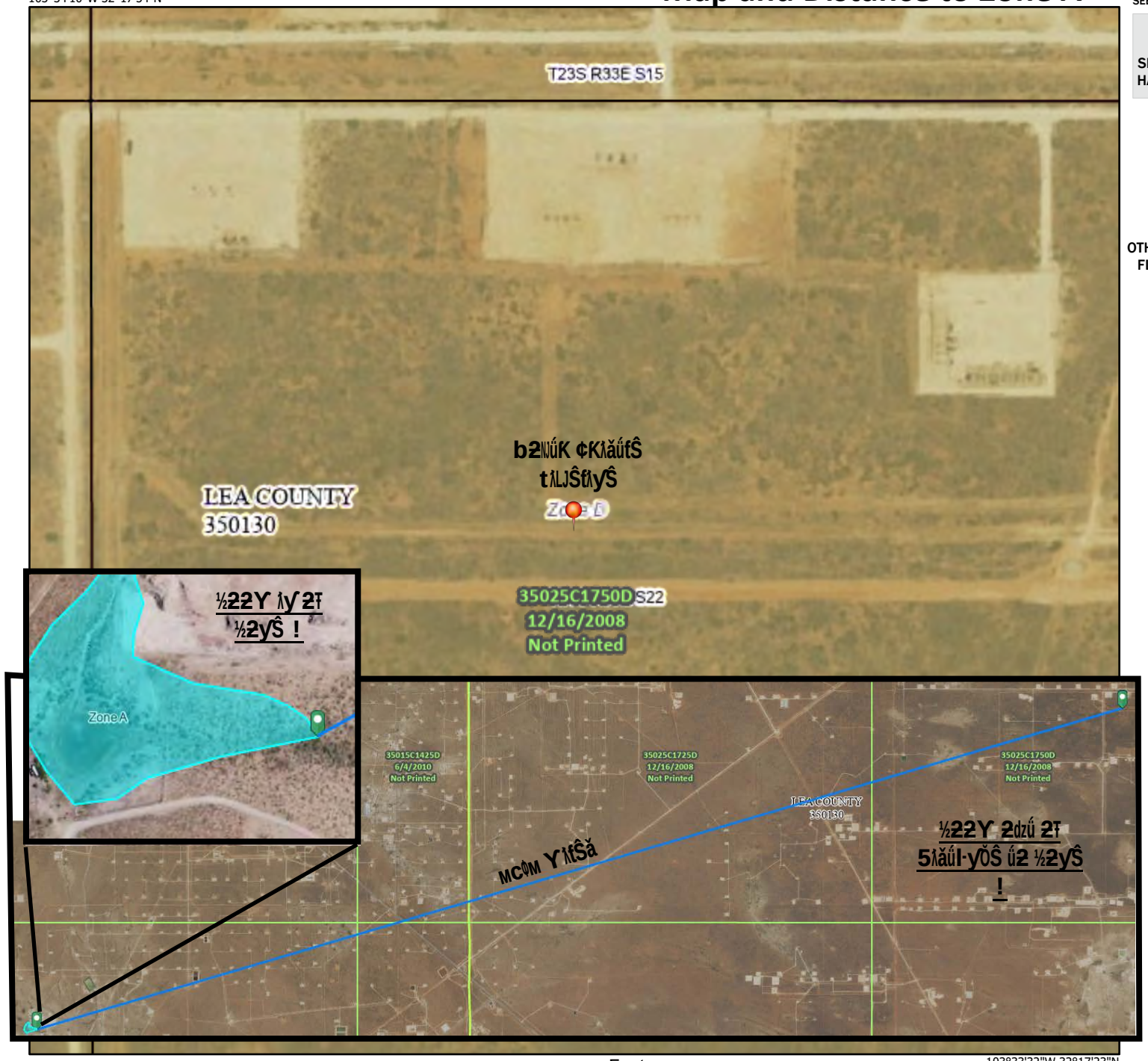
Nearest Karst Zone
Medium Karst
Distance
13.8 miles



National Flood Hazard Layer FIRMetted

North Thistle Pipeline Map and Distance to Zone A

103°34'10"W 32°17'54"N



103°33'32"W 32°17'23"N

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

1:6,000

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
- 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 12/5/2025 at 5:05 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—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	0.7	100.0%
Totals for Area of Interest		**0.7**	**100.0%**

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

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

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

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

Description of Maljamar

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Kermit

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

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 22, Sep 9, 2025

USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 12/04/2025

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

Climatic features

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

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

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

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

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

Table 3. Representative climatic features

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

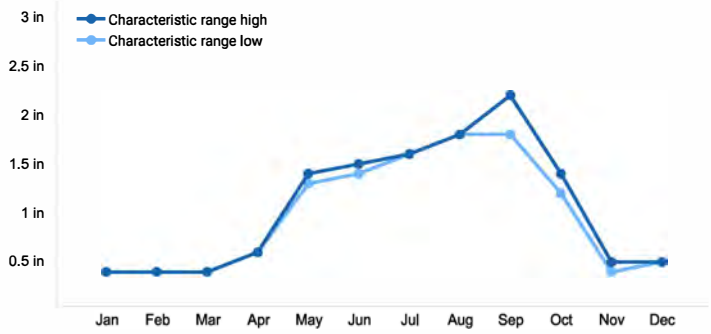


Figure 2. Monthly precipitation range

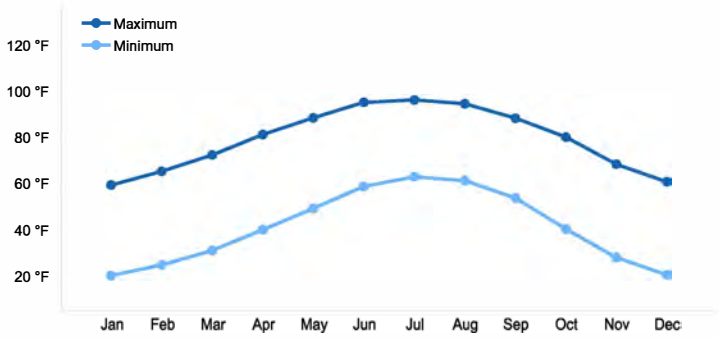


Figure 3. Monthly average minimum and maximum temperature

Influencing water features

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

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

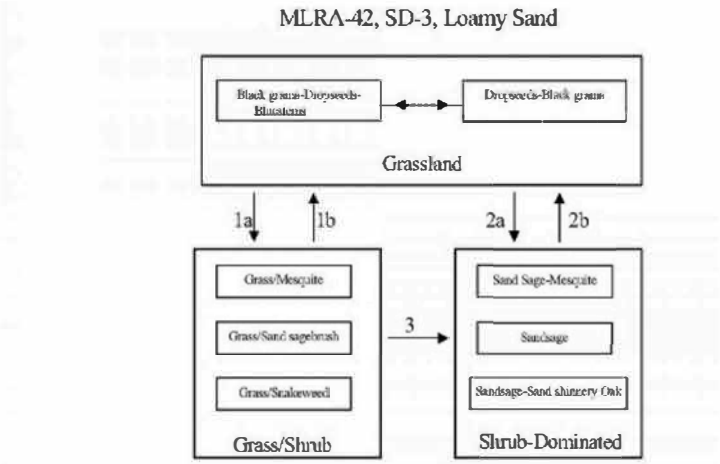
The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (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):



1a. Drought, over grazing, fire suppression.
1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.
2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

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%

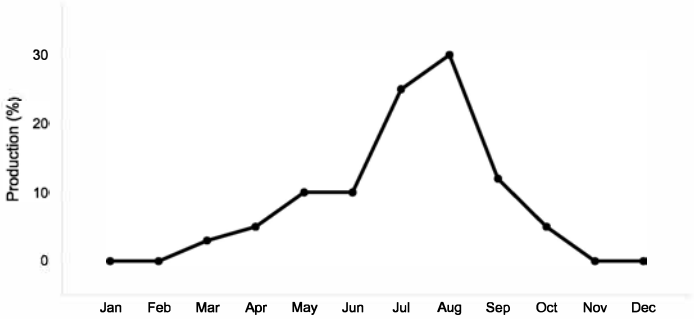
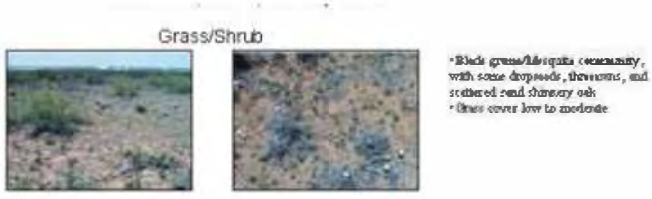


Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

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

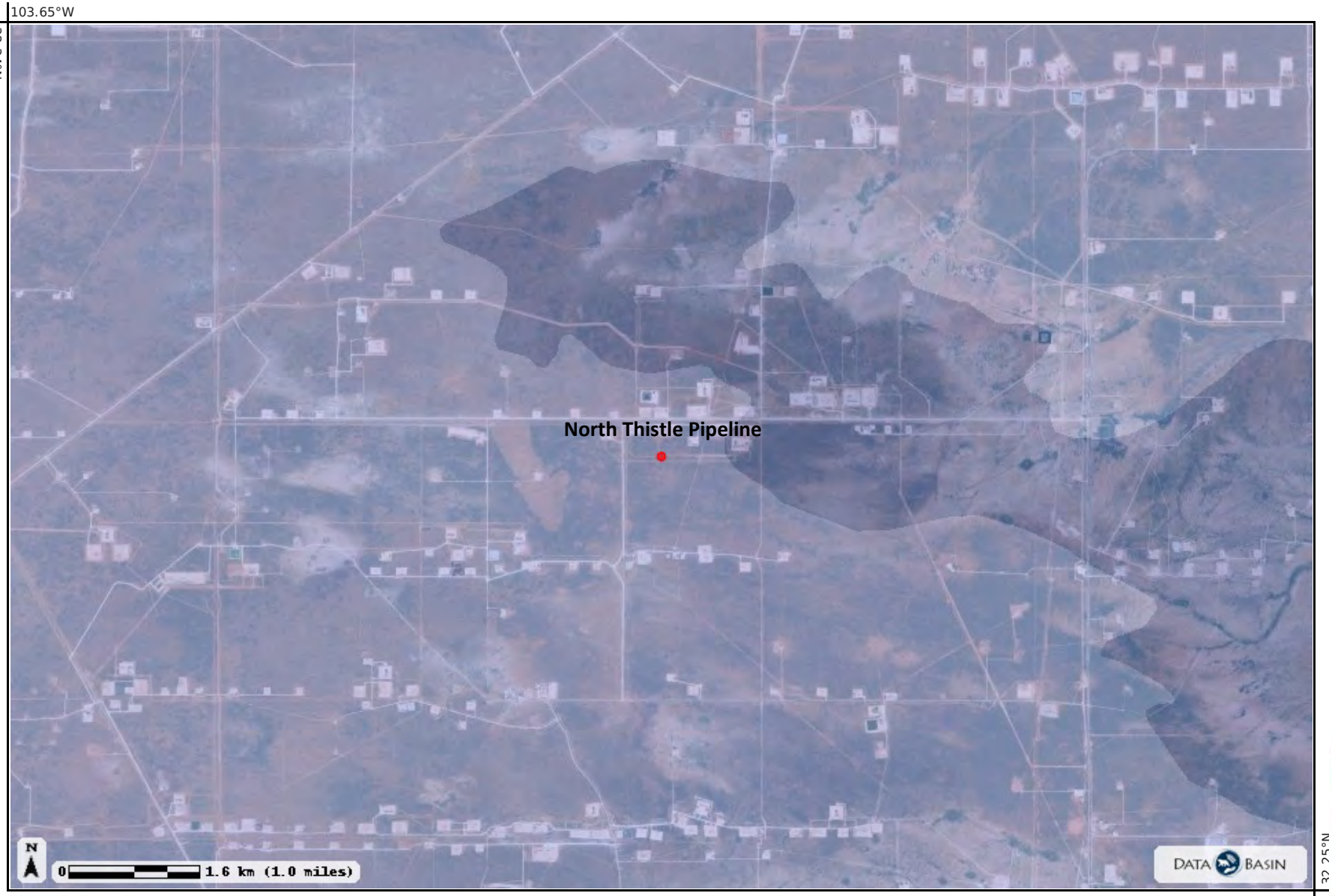
Additional community tables

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	–

North Thistle Pipeline Geological Map - Quaternary Eolian Qe/Qp)



Legend

Geology of New Mexico, USA

- alluvium
- andesite
- basalt
- carbonate
- clastic
- clay or mud
- coarse-grained mixed clastic
- conglomerate
- eolian
- evaporite
- felsic metavolcanic rock
- felsic volcanic rock
- fine-grained mixed clastic
- granodiorite
- indeterminate
- lake or marine deposit (non-glacial)
- landslide
- lava flow
- limestone
- mafic metavolcanic rock
- medium-grained mixed clastic
- metamorphic rock
- metasedimentary rock
- mudstone

(continued on next page)

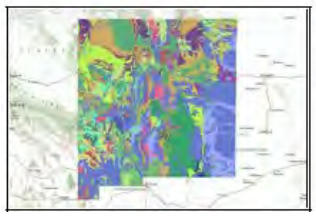
Legend (cont.)

Geology of New Mexico, USA (cont.)

- playa
- plutonic rock (phaneritic)
- pyroclastic
- quartz monzonite
- rhyolite
- sandstone
- sedimentary rock
- shale
- till
- tuff
- unconsolidated deposit
- volcanic rock (aphanitic)
- water

-103.56415° Longitude, 32.29402° Latitude

Datasets



Geology of New Mexico, USA
https://databasin.org/datasets/216c664011134afabb351937aff06f6d/

Credits: Douglas B. Stoeser, Gregory N. Green, Laurie C. Morath, William D. Heran, Anna B. Wilson, David W. Moore, Bradley S. Van Gosen

Layers:
- Geology of New Mexico, USA

APPENDIX C

TABLE 2. FIELD SCREEN AND LABORATORY ANALYSIS RESULTS

Client: Devon Energy Production Company
Site: North Thistle Pipeline
Incident ID: nAPP2534637758

Project #: 2507-11205
Lab Reports: J40446, J41550

Table 2: Characterization Field Screening & 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 (Electroconductivity Meter)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
≤ 50 ft DTGW						10	50	-	-	-	100	600
BH01	12/22/25	0	-	-	878	<0.024	<0.220	<4.9	<9.6	<48	<62.5	650
		1	-	-	1,709	-	-	-	-	-	-	-
		2	-	-	3,027	-	-	-	-	-	-	-
		3	-	-	2,942	-	-	-	-	-	-	-
		4	0.2	-	6,527	<0.025	<0.224	<5.0	<9.6	<48	<62.6	6,000
	12/23/25	6	-	14	6,601	<0.025	<0.220	<5.0	<9.8	<49	<63.8	7,800
BH02	12/22/25	0	-	-	185	<0.024	<0.220	<4.9	<9.8	<49	<63.7	170
		1	-	-	397	-	-	-	-	-	-	-
		2	-	-	399	<0.024	<0.222	<4.9	<9.5	<48	<62.4	310
		3	-	-	441	-	-	-	-	-	-	-
		4	-	-	412	<0.025	<0.442	<4.9	<8.9	<45	<58.8	300
BH03	12/22/25	0	-	-	5,424	<0.025	0.217	<4.9	330	120	450	5,200
		1	-	-	5,183	-	-	-	-	-	-	-
		2	-	-	4,466	-	-	-	-	-	-	-
		3	0.4	-	6,703	-	-	-	-	-	-	-
		4	-	-	6,387	<0.024	<0.225	<4.8	<9.1	<46	<59.9	7,700
	12/23/25	6	-	-	8,025	-	-	-	-	-	-	-
		7.5	0.3	26	8,299	<0.025	<0.216	<5.0	<8.7	<44	<57.7	10,000
BH04	12/22/25	0	-	-	3,088	<0.024	<0.220	<4.8	<9.6	<48	<62.4	2,500
		1	-	-	1,253	-	-	-	-	-	-	-
		2	-	-	1,882	-	-	-	-	-	-	-
		3	0.2	-	1,253	-	-	-	-	-	-	-
		4	-	28	4,597	<0.024	<0.216	<4.9	<8.7	<44	<57.6	3,800
BH05	12/22/25	0	-	-	3,549	<0.024	<0.225	<4.8	170	57	227	3,400
		1	-	-	3,241	-	-	-	-	-	-	-
		2	-	-	4,131	-	-	-	-	-	-	-
	12/23/25	6	-	-	3,727	<0.025	<0.217	<5.0	<9.6	<48	<62.6	6,600
		8	-	-	419	<0.024	<0.216	<4.8	<8.9	<44	<57.7	210
BH06	12/22/25	0	-	68	4,804	<0.024	<0.224	<4.8	180	84	264	4,000
		1	-	-	3,544	-	-	-	-	-	-	-
		2	-	-	4,154	-	-	-	-	-	-	-
		3	0.7	-	8,191	-	-	-	-	-	-	-
		4	-	-	8,538	<0.025	<0.217	<5.0	<9.3	<47	<61.3	7,000
BH07	12/23/25	0	-	-	2,512	<0.024	<0.219	<4.8	<9.6	<48	<62.4	2,100
		2	-	-	3,586	-	-	-	-	-	-	-
		4	-	-	7,897	<0.024	<0.225	<4.9	<9.6	<48	<62.5	6,700
		6	-	-	7,107	<0.025	<0.224	<5.0	<9.1	<46	<60.1	6,000

Table 2: Characterization Field Screening & 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 (Electroconductivity Meter)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
≤ 50 ft DTGW						10	50	-	-	-	100	600
BH08	12/23/25	0	-	-	**1,395**	<0.024	<0.219	<4.9	<9.3	<46	<60.2	**810**
		2	-	-	**902**	-	-	-	-	-	-	-
		4	-	-	**8,194**	<0.024	<0.217	<4.9	<10	<50	<64.9	**7,200**
		6	-	-	**7,877**	<0.025	<0.225	<5.0	<9.6	<48	<62.6	**3200**

Table 2: Characterization Field Screening & 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 (Electroconductivity Meter)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
≤ 50 ft DTGW						10	50	-	-	-	100	600
TP01	1/13/26	0	-	-	320	<0.024	<0.219	<4.9	<9.8	<49	<63.7	49
		4	-	-	**6,209**	<0.025	<0.221	<4.9	<9.9	<49	<63.8	**4,500**
		8	-	-	**9,919**	<0.025	<0.224	<5.0	<10.0	<50	<65.0	**11,000**
		16	-	-	396	<0.025	<0.221	<4.9	<9.4	<47	<61.3	50
TP02	1/13/26	0	-	-	418	<0.024	*<0.219*	<4.9	<9.1	<46	<60.0	49
		4	-	-	301	<0.025	<0.222	<4.9	<9.3	<47	<61.2	51
		8	-	-	0	<0.024	<0.217	<4.8	<9.3	<47	<61.1	50
TP03	1/13/26	0	-	-	0	<0.025	<0.221	<4.9	<10.0	<50	<64.9	50
		4	-	-	0	<0.024	<0.215	<4.8	<9.3	<47	<61.1	49
		8	-	-	30	<0.024	<0.212	<4.7	<9.8	<49	<63.5	49
TP04	1/13/26	0	-	-	**781**	<0.025	<0.225	<5.0	<9.5	<48	<62.5	390
		4	-	-	**10,853**	<0.025	<0.224	<5.0	<9.6	<48	<62.6	**7,300**
		8	-	-	**12,014**	<0.024	<0.217	<4.8	<9.9	<50	<64.7	**11,000**
		12	-	-	**7,136**	<0.024	<0.212	<4.7	<9.6	<48	<62.3	**9,200**
		14	-	-	**8,493**	-	-	-	-	-	-	-
		19	-	-	**8,175**	<0.024	<0.213	<4.7	<9.6	<48	<62.3	**6,200**
TP05	1/14/26	0	-	-	**1,294**	<0.024	<0.217	<4.8	<9.7	<48	<62.5	**700**
		4	-	-	**2,069**	<0.025	<0.225	<5.0	<9.6	<48	<62.6	**1,600**
		8	-	-	**1,217**	<0.024	<0.215	<4.8	<9.6	<48	<62.4	550
		12	-	-	**3,588**	<0.025	<0.224	<5.0	<9.3	<46	<60.3	**4,000**
		16	-	-	**1,063**	<0.024	<0.212	<4.7	<9.8	<49	<63.5	**860**
TP06	1/14/26	0	-	-	0	<0.024	<0.217	<4.8	<9.4	<47	<61.2	50
		4	-	-	15	<0.023	<0.206	<4.6	<9.6	<48	<62.2	50
		8	-	-	51	<0.025	<0.225	<5.0	<9.3	<47	<61.3	50
		12	-	-	58	<0.023	<0.207	<4.6	<9.3	<46	<59.9	51
TP07	1/14/26	0	-	-	461	<0.023	<0.21	<4.7	<9.7	<48	<62.4	78
		4	-	-	0	<0.024	<0.212	<4.7	<9.3	<46	<60.0	50
		8	-	-	0	<0.024	<0.219	<4.9	<9.7	<49	<63.6	50
		12	-	-	0	<0.024	<0.213	<4.7	<9.4	<47	<61.1	50
TP08	1/14/26	0	-	-	164	<0.024	<0.212	<4.7	<9.9	<49	<63.6	140
		4	-	-	810	<0.025	<0.221	<4.9	<9.9	<49	<63.8	470
		8	-	-	**5,407**	<0.024	<0.22	<4.9	<9.7	<49	<63.6	**9,300**
		16	-	-	**6,155**	<0.024	<0.216	<4.8	<9.7	<48	<62.5	**7,400**
TP09	1/14/26	0	-	-	113	<0.023	<0.207	<4.6	<9.9	<50	<64.5	50
		4	-	-	122	<0.024	<0.216	<4.8	<9.7	<48	<62.5	50
		8	-	-	208	<0.024	<0.213	<4.7	<9.1	<46	<59.8	50
		12	-	-	96	<0.024	<0.22	<4.9	<9.5	<48	<62.4	50

Table 2: Characterization Field Screening & 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 (Electroconductivity Meter)	Benzene	Total BTEX	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
Closure Criteria Limits			ppm	ppm	ppm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
≤ 50 ft DTGW						10	50	-	-	-	100	600
TP10	1/15/26	0	-	-	138	<0.023	<0.211	<4.7	<9.7	<48	<62.4	50
		4	-	-	109	<0.024	<0.219	<4.9	<9.5	<48	<62.4	49
		8	-	-	184	<0.025	<0.222	<4.9	<9.8	<49	<63.7	50
		12	-	-	435	<0.025	<0.222	<4.9	<9.8	<49	<63.7	140
TP11	1/15/26	0	-	-	195	<0.023	<0.211	<4.7	<9.9	<50	<64.6	50
		4	-	-	109	<0.024	<0.219	<4.9	<9.3	<46	<60.2	50
		8	-	-	112	<0.024	<0.213	<4.7	<9.6	<48	<62.3	50
		12	-	-	184	<0.023	<0.211	<4.7	<9.6	<48	<62.3	50

"-" indicates not analyzed

"Red" Highlighted indicates above Closure Criteria Threshold

APPENDIX D

INITIAL CHARACTERIZATION FIELD NOTES & PHOTOLOG REPORT

Environmental Liner Inspection Field Notes & Photolog Report

Site & Incident Information

Client:	Devon Energy	**Date:**	January 13, 2026
Site:	North Thistle Pipeline	**Arrival Time:**	8:10 AM
Incident ID:	nAPP2534637768	**Scope of Work:**	Continue delineation by using a track-hoe to dig test pits with Kelly Oilfield Services.
Client Contact:	Jim Raley		
Land Status:	State Land Office		
County:	Eddy		
Lease ID:	V028180001		
Facility ID:	Pipeline Right-of-Way		
Coordinates: 32.294024, -103.564158			

Observations and Field Notes

- 6:40 AM - Prep unit and supplies to head to location. Check in with W. Harmon to notify of field work and leaving for site.
- 6:55 AM - Travel to site. Check for any hazards within area and complete safety paperwork. Prepare sampling supplies for field screening, walk through area with operator for test pit locations, and depth intervals samples will be collected at.
- 8:00 AM - Hydrovac on location to spot lines that are in close proximity of where sampling will be done.
- 9:42 AM - Begin digging with track-hoe completing test pits at depth intervals of 4 ft bgs due to samples collected previously were not showing a smaller depth interval of cleaning up.
- 9:56 AM - Sample collection beginning in middle area of staining and moving east for horizontal delineation.

Observations and Field Notes Cont.

- 10:24 AM - Test pit samples seeming to clean up aroud 16 ft bgs, skipped sending samples between 8 ft bgs and 16 ft bgs due to field screen of 8 ft sample reading 9,919 and had gone up in reading from the 4 ft bgs field screen at 6,209 on EC meter.
- 11:42 AM - Test pit locations TP02 and TP03 stay consistently clean from 0 ft bgs to 8 ft bgs.
- 1:26 PM - TP04 shows that there is potentially a historical release that is located below this release.
- 1:31 PM - Advancement of TP04 vertically to the max reach of the track-hoe to a final depth of 19 ft bgs. Field screen samples 12, 14, and 19 ft bgs for chlorides.
- 1:59 PM - Vertical delineation will need to be advanced with a drill or geoprobe due to max reach of track-hoe and instability of soils without sloping or benching.
- 2:27 PM - Begin cleaning up area and putting samples in cooler on ice to preserve them.
- 3:03 PM - Prepping COC's and jars to send samples to lab for analysis. Contact courier for sample handoff. Get sample jars packed and ready for pickup. Travel back to town.

Photolog

TP01 sample location.

Facing west to show distance from riser.

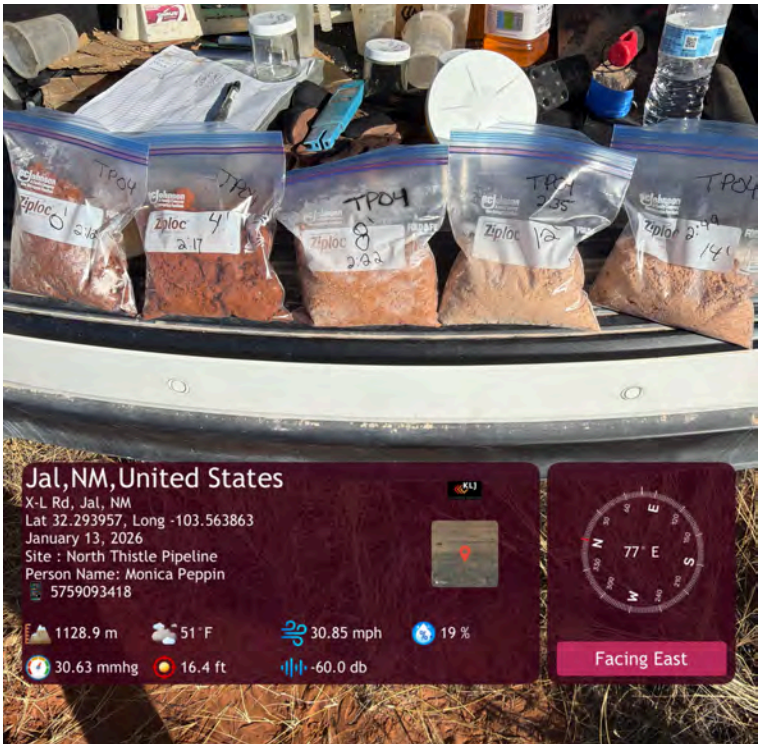
Flowlines hydrovacced for visibility of underground utilities.

Test pit sample location TP03.

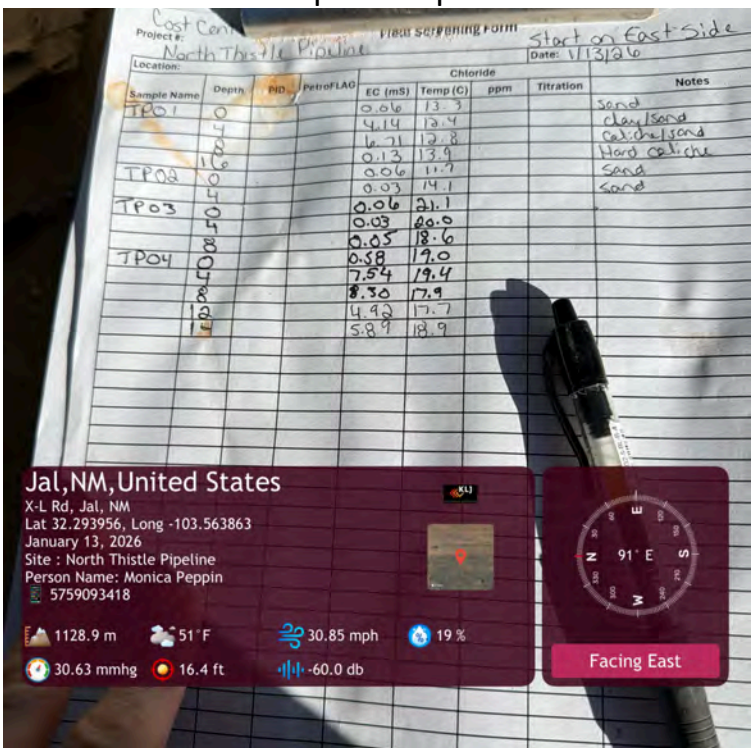
Photolog

Sample location to TP02 collecting surface sample.

Track-hoe removing soil from test pit to obtain depth sample.



TP04 samples.

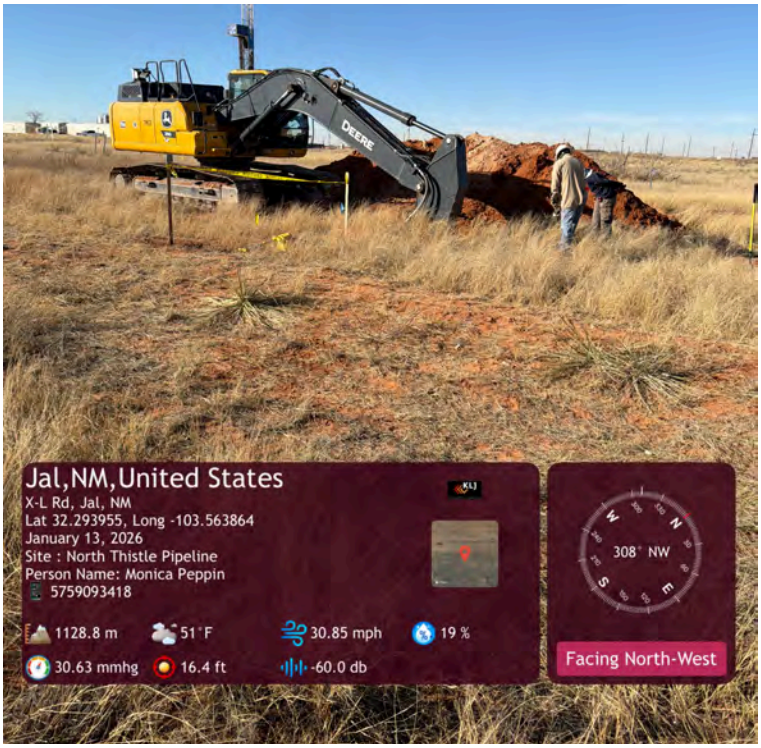


Sample field screening notes.

Photolog

Backfill of test pit location TP04.

Test pit sample locations that were backfilled.

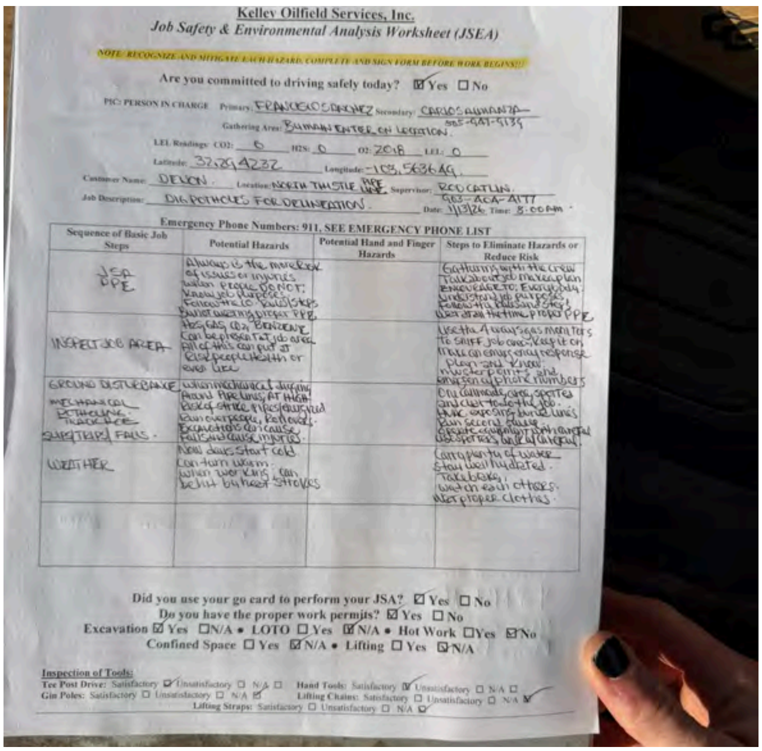


Test pit location 4 being dug for sample collection.

Additional Notes & Recommendations

- Continue delineation with equipment.
- Field screen samples and obtain horizontal delineation.
- Determine next steps for vertical delineation.

Contractor Safety Paperwork


Kelley Oilfield Services, Inc.
Job Safety & Environmental Analysis Worksheet (JSEA)

Are you committed to driving safely today? ☑ Yes ☐ No

PIC: PERSON IN CHARGE Primary: FRANCISCO SANCHEZ Secondary: CARLOS ALMANZA

Gathering Area: BULMAN ENTER ON LOCATION

LEL Readings: CO2: 0 H2S: 0 O2: 20.8 LEL: 0

Latitude: 32.294237 Longitude: -103.563649

Customer Name: DEVON Location: NORTH THISTLE Supervisor: ROD CATLIN

Job Description: DIG POTHOLES FOR DELINEATION Date: 1/13/26 Time: 8:00 AM

Emergency Phone Numbers: 911, SEE EMERGENCY PHONE LIST

Sequence of Basic Job Steps	Potential Hazards	Potential Hand and Finger Hazards	Steps to Eliminate Hazards or Reduce Risk
JSA PPE	[illegible]		[illegible]
INSPECT JOB AREA	[illegible]		[illegible]
GROUND DISTURBANCE MECHANICAL POTHOLING TRACKHOE SLIP TRIP FALLS	[illegible]		[illegible]
WEATHER	[illegible]		[illegible]

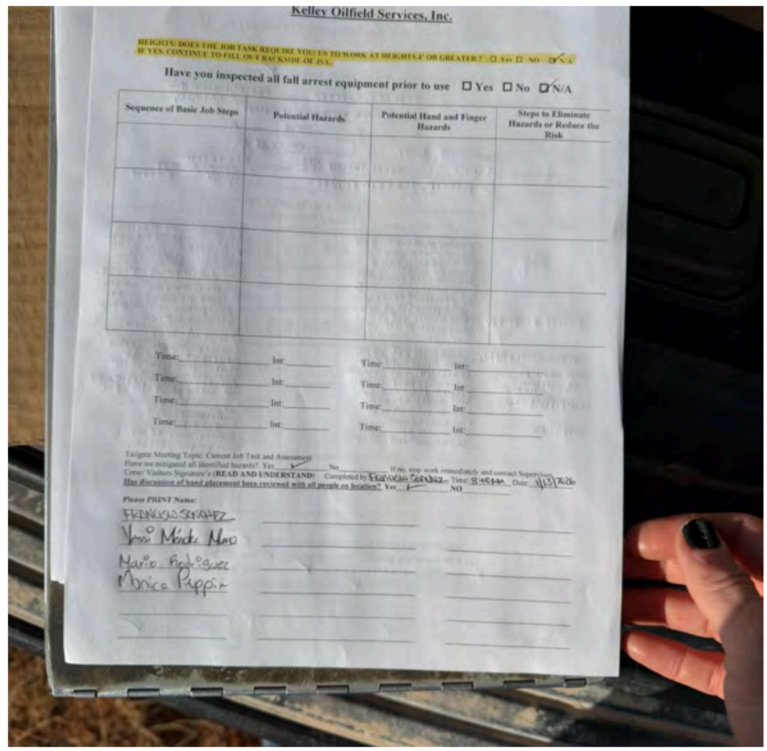
Did you use your go card to perform your JSA? ☑ Yes ☐ No

Do you have the proper work permits? ☑ Yes ☐ No

Excavation ☑ Yes ☐ N/A • LOTO ☐ Yes ☑ N/A • Hot Work ☐ Yes ☑ No

Confined Space ☐ Yes ☑ N/A • Lifting ☐ Yes ☑ N/A

Inspection of Tools:


Kelley Oilfield Services, Inc.

HEIGHTS: DOES THE JOB TASK REQUIRE YOU TO WORK AT HEIGHTS 4' OR GREATER? IF YES, CONTINUE TO FILL OUT BACKSIDE OF JSA.

Have you inspected all fall arrest equipment prior to use ☐ Yes ☐ No ☑ N/A

Sequence of Basic Job Steps	Potential Hazards	Potential Hand and Finger Hazards	Steps to Eliminate Hazards or Reduce the Risk

Please PRINT Name:

FRANCISCO SANCHEZ

Acknowledgement & Signature

Technician: Monica Peppin **Date:** January 13, 2026

Signature: [signature] **Departure Time:** 3:36 PM

Environmental Liner Inspection Field Notes & Photolog Report

Site & Incident Information

Client:	Devon Energy	**Date:**	January 14, 2026
Site:	North Thistle Pipeline	**Arrival Time:**	8:30 AM
Incident ID:	nAPP2534637768	**Scope of Work:**	Continue delineation with test pit sampling using equipment
Client Contact:	Jim Raley		
Land Status:	State Land Office		
County:	Eddy		
Lease ID:	V028180001		
Facility ID:	N/A		
Coordinates: 32.294024, -103.564158			

Observations and Field Notes

- 7:00 AM - Prep unit and supplies to head to location. Check in with supervisor that preparing to leave for site.
- 8:35 AM - Travel to site. Check for any hazards and complete safety paperwork. Prepare sampling supplies for field screening. Begin sample location TP05.
- 10:15 AM - TP05 stays consistent with TP04 and doesn't seem to get to a depth of clean soil. Stopped at 16 ft bgs since further advancement of vertical delineation will be needed and the soil is making it difficult to dig out a test pit.
- 11:12Soil is very unstable and caves in very easily and lacks cohesion to create a "wall" on the top layers of soil until around 6-8 ft bgs.
- 11:09 AM - TP06 and TP07 show to be clean from 0 ft bgs to 12 ft bgs. Cover horizonital delineation on north/northwest and west side of release area.
- 11:36 AM - TP07 is located on west end to show horizontal delineation completed. Maintaining a 24" buffer from flowlines.

Photolog

TP09 being dug for sample collection.

Backfill area from TP04.

TP05/TP06 area backfilled.

Backfill area from test pit locations on north side.

Photolog

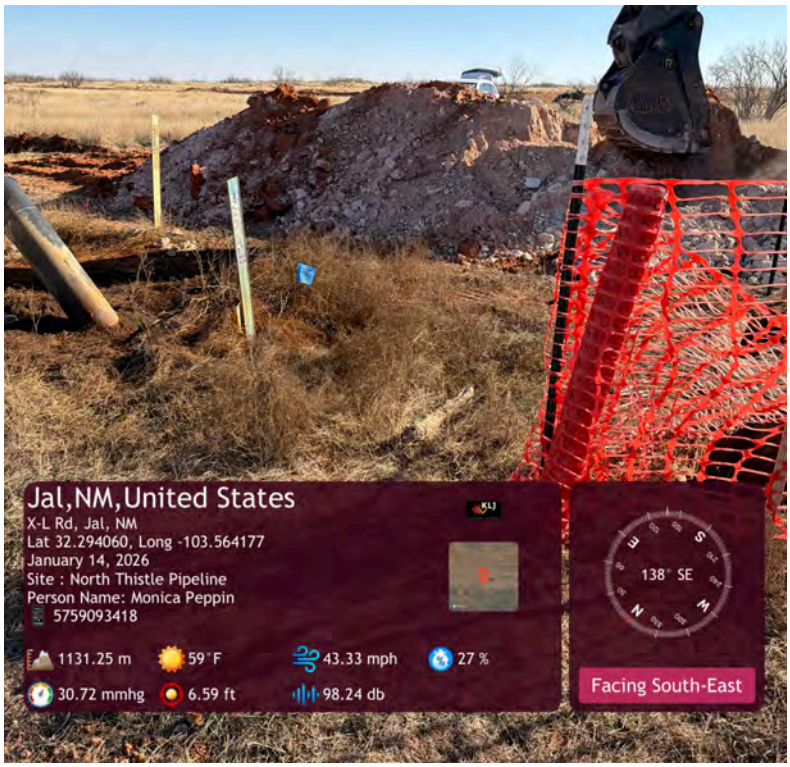
Fencing to block off where Hydrovac uncovered buried flowlines.

Backfill area of TP 07 on west end.

North end of release area where test pits were backfilled.

Backfilled area from test pits on north side.

Photolog



Test pit locations 10 and 11.

TP07 being backfilled.

Additional Notes & Recommendations

- Finish jarring samples and prepare samples to go to lab for analysis.
- Upload data to project folder and organize paper trail file.
- Input field screen data into Table and prep for lab analysis reports.
- Ensure that sample points are plotted and request a figure from GIS group.
- Discuss plan for further vertical delineation.
- Finish horizontal delineation and verify with lab analysis.

Acknowledgement & Signature

Technician: Monica Peppin

Date: January 14, 2026

Signature:

Departure Time: 6:30 PM

Environmental Liner Inspection Field Notes & Photolog Report

Site & Incident Information

Client:	Devon Energy	**Date:**	January 15, 2026
Site:	North Thistle Pipeline	**Arrival Time:**	8:10 AM
Incident ID:	nAPP2534637768	**Scope of Work:** Finish delineation by using a track-hoe to dig test pits with Kelly Oilfield Services.	
Client Contact:	Jim Raley		
Land Status:	State Land Office		
County:	Eddy		
Lease ID:	V028180001		
Facility ID:	Pipeline Right-of-Way		
Coordinates: 32.294024, -103.564158			

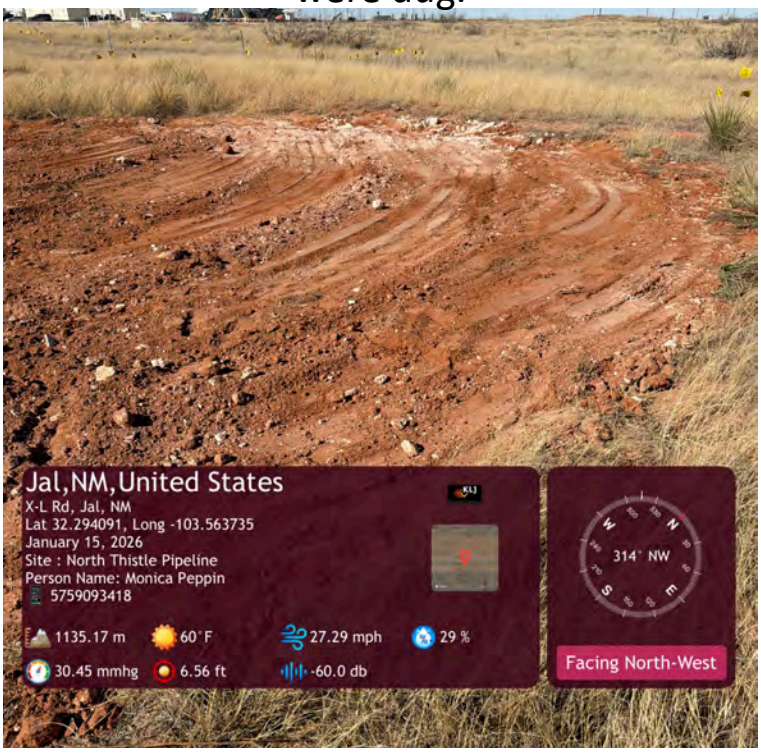
Observations and Field Notes

- 6:45 AM - Prep unit and supplies for field work, stop for fuel.
- 7:05 AM - Travel to site. Sign safety paperwork and walk through plan for the day.
- 8:20 AM -Start sampling at TP10 and field screen samples.
- 8:54 AM - Samples are clean and move over to the east for TP11.
- 9:30 AM - Field screen samples and have operator backfill test pits.
- 10:00 AM - Clean up work area, let courier know that samples are ready.

Photolog

North side of release area where test pits were dug.

Test pit sampling of TP10



backfill area of TP09.

Showing south area where TP10 was located.

Photolog

Area backfilled where TP10 and TP11 were located.

Facing west where sampling was done.

Northwest area where TP07 was located.

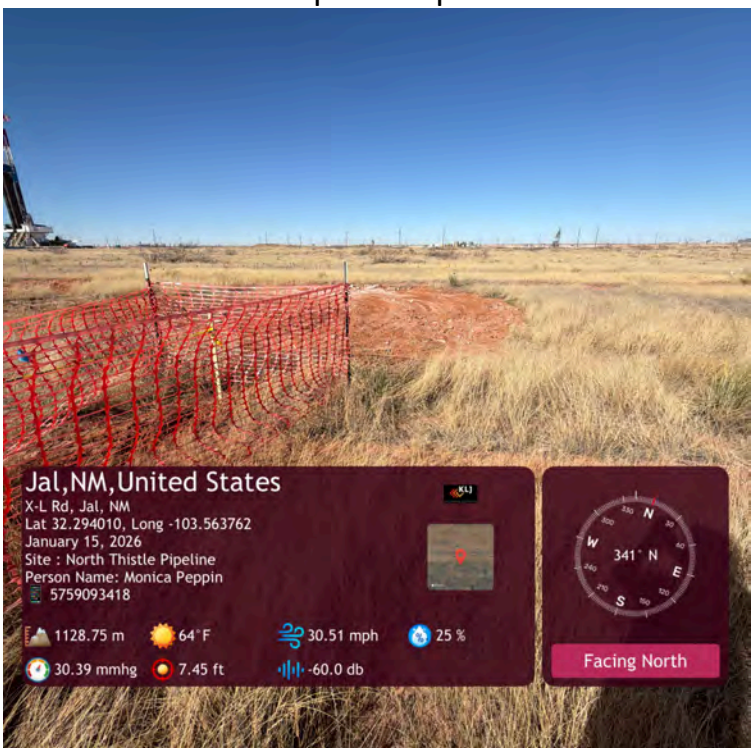
TP09 backfilled.

Photolog

Sample location to TP02 collecting surface sample.

Track-hoe removing soil from test pit to obtain depth sample.

Area where sampling was completed previous days.



TP05/TP06 backfilled area.

Photolog

Sample location to TP02 collecting surface sample.

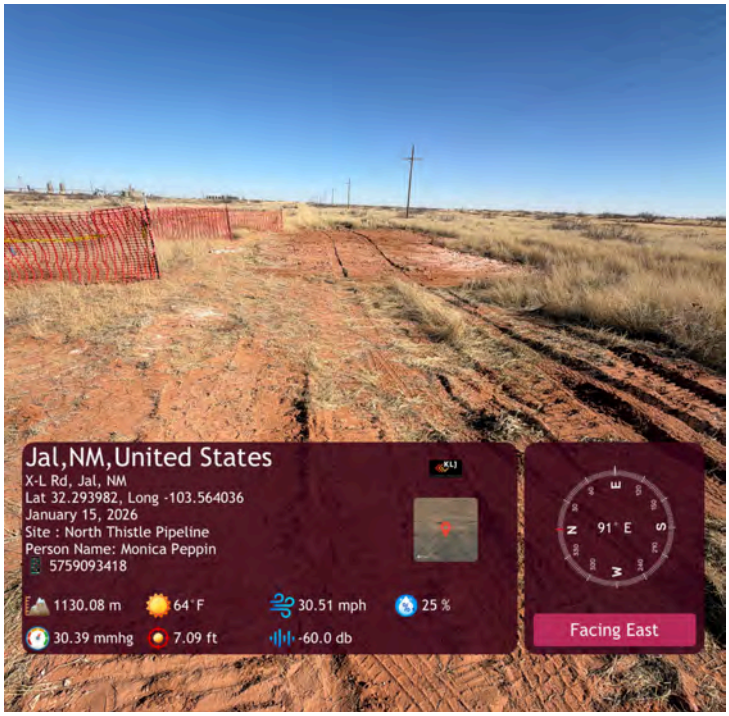
Track-hoe removing soil from test pit to obtain depth sample.

TP04 samples.

Sample field screening notes.

Photolog

Southwest end where TP09 was located.



Facing east where TP10/TP11 were located.

Additional Notes & Recommendations

- Hand off samples to courier.
- Upload all data.
- Wait for lab analysis results.

Acknowledgement & Signature

Technician: Monica Peppin

Date: January 15, 2026

Signature:

Departure Time: 11:36 PM

APPENDIX E

LABORATORY ANALYSIS REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Peppin
Devon Energy Corporation
6488 Seven Rivers Hwy
Artesia, New Mexico 88210

Generated 1/12/2026 11:48:01 AM

JOB DESCRIPTION

North Thistle Pipeline

JOB NUMBER

885-40446-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
1/12/2026 11:48:01 AM

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

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Laboratory Job ID: 885-40446-1

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
QC Sample Results 28
QC Association Summary 34
Lab Chronicle 39
Certification Summary 46
Chain of Custody 47
Receipt Checklists 49

Definitions/Glossary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Qualifiers

HPLC/IC

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

Glossary

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

Case Narrative

Client: Devon Energy Corporation
Project: North Thistle Pipeline

Job ID: 885-40446-1

Job ID: 885-40446-1 Eurofins Albuquerque

Job Narrative
885-40446-1

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

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

Receipt
The samples were received on 12/30/2025 7:40 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 1.4°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
Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-40770 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:BH08 4' (885-40446-21), BH08 6' (885-40446-22) and (885-40465-A-11-B).

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

HPLC/IC
Method 300_OF_28D_PREC: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows:

Sample was bracketed by expired, but passing continuing calibration verification (CCV) reagent.

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: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH01 0'

Lab Sample ID: 885-40446-1

Date Collected: 12/22/25 09:30
Matrix: Solid
Date Received: 12/30/25 07:40

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		12/31/25 09:06	01/05/26 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*15 - 150*	*12/31/25 09:06*	*01/05/26 02:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 02:23	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 02:23	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 02:23	1
Xylenes, Total	ND		0.098		mg/Kg		12/31/25 09:06	01/05/26 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 02:23*	*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		01/02/26 09:03	01/02/26 19:27	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*01/02/26 09:03*	*01/02/26 19:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**650**		49		mg/Kg		12/31/25 12:53	12/31/25 20:32	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH01 4'

Date Collected: 12/22/25 09:39
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-2

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		12/31/25 09:06	01/05/26 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 03:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 03:33	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 03:33	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 03:33	1
Xylenes, Total	ND		0.099		mg/Kg		12/31/25 09:06	01/05/26 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*12/31/25 09:06*	*01/05/26 03:33*	*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		01/02/26 09:03	01/02/26 19:39	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*01/02/26 09:03*	*01/02/26 19:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6000**		51		mg/Kg		12/31/25 12:53	12/31/25 20:45	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH01 6'

Date Collected: 12/23/25 09:39
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-3

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		12/31/25 09:06	01/05/26 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*15 - 150*	*12/31/25 09:06*	*01/05/26 04:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 04:43	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 04:43	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 04:43	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 09:06	01/05/26 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 04:43*	*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		01/02/26 09:03	01/02/26 19:50	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/02/26 09:03	01/02/26 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*01/02/26 09:03*	*01/02/26 19:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7800**		50		mg/Kg		12/31/25 12:53	12/31/25 22:21	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH02 0'

Date Collected: 12/22/25 09:45
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-4

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		12/31/25 09:06	01/05/26 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 05:06	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:06	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:06	1
Xylenes, Total	ND		0.098		mg/Kg		12/31/25 09:06	01/05/26 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:06*	*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		01/02/26 09:03	01/02/26 20:02	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/02/26 09:03	01/02/26 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*62 - 134*	*01/02/26 09:03*	*01/02/26 20:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		50		mg/Kg		12/31/25 12:53	12/31/25 22:34	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH02 2'

Date Collected: 12/22/25 09:51
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-5

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		4.9		mg/Kg		12/31/25 09:06	01/05/26 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 05:29	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:29	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:29	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		01/02/26 09:03	01/02/26 20:14	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*	*01/02/26 09:03*	*01/02/26 20:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		50		mg/Kg		12/31/25 12:53	12/31/25 22:48	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH02 4'

Date Collected: 12/22/25 09:57
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-6

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		12/31/25 09:06	01/05/26 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 05:53	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:53	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 05:53	1
Xylenes, Total	ND		0.099		mg/Kg		12/31/25 09:06	01/05/26 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 05:53*	*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		8.9		mg/Kg		01/02/26 09:03	01/02/26 20:25	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		01/02/26 09:03	01/02/26 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*74*		*62 - 134*	*01/02/26 09:03*	*01/02/26 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		50		mg/Kg		12/31/25 12:53	12/31/25 23:02	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH03 0'

Date Collected: 12/22/25 10:15
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-7

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		4.9		mg/Kg		12/31/25 09:06	01/05/26 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*12/31/25 09:06*	*01/05/26 06:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 06:16	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 06:16	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 06:16	1
Xylenes, Total	ND		0.099		mg/Kg		12/31/25 09:06	01/05/26 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*12/31/25 09:06*	*01/05/26 06:16*	*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]	**330**		9.9		mg/Kg		01/02/26 09:03	01/02/26 20:37	1
Motor Oil Range Organics [C28-C40]	**120**		50		mg/Kg		01/02/26 09:03	01/02/26 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*83*		*62 - 134*	*01/02/26 09:03*	*01/02/26 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5200**		50		mg/Kg		12/31/25 12:53	12/31/25 23:15	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH03 4'

Date Collected: 12/22/25 10:31
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-8

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		12/31/25 09:06	01/05/26 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*12/31/25 09:06*	*01/05/26 06:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 06:39	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 06:39	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 06:39	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*12/31/25 09:06*	*01/05/26 06:39*	*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		01/02/26 09:03	01/02/26 20:49	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/02/26 09:03	01/02/26 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*01/02/26 09:03*	*01/02/26 20:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7700**		49		mg/Kg		12/31/25 12:53	12/31/25 23:29	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH03 7.5'

Date Collected: 12/23/25 12:32
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-9

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		12/31/25 09:06	01/05/26 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*12/31/25 09:06*	*01/05/26 07:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 07:02	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 07:02	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 07:02	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 09:06	01/05/26 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 07:02*	*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		8.7		mg/Kg		01/02/26 09:03	01/02/26 21:12	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		01/02/26 09:03	01/02/26 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*	*01/02/26 09:03*	*01/02/26 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		100		mg/Kg		12/31/25 12:53	01/06/26 16:10	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH04 0'

Date Collected: 12/22/25 10:48
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-10

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		12/31/25 09:06	01/05/26 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 09:06*	*01/05/26 07:26*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 07:26	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 07:26	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 07:26	1
Xylenes, Total	ND		0.096		mg/Kg		12/31/25 09:06	01/05/26 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 07:26*	*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		01/02/26 09:03	01/02/26 21:23	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/02/26 09:03*	*01/02/26 21:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		50		mg/Kg		12/31/25 12:53	01/01/26 00:24	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH04 4'

Date Collected: 12/22/25 11:04
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-11

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		4.9		mg/Kg		12/31/25 09:06	01/05/26 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 08:12	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 08:12	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 08:12	1
Xylenes, Total	ND		0.098		mg/Kg		12/31/25 09:06	01/05/26 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:12*	*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		8.7		mg/Kg		01/02/26 09:03	01/02/26 21:35	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		01/02/26 09:03	01/02/26 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*01/02/26 09:03*	*01/02/26 21:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3800**		50		mg/Kg		12/31/25 12:53	01/01/26 00:37	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH05 0'

Date Collected: 12/22/25 11:30
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-12

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		12/31/25 09:06	01/05/26 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:36*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 08:36	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 08:36	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 08:36	1
Xylenes, Total	ND		0.096		mg/Kg		12/31/25 09:06	01/05/26 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:36*	*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]	**170**		8.6		mg/Kg		01/02/26 09:03	01/02/26 21:47	1
Motor Oil Range Organics [C28-C40]	**57**		43		mg/Kg		01/02/26 09:03	01/02/26 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*01/02/26 09:03*	*01/02/26 21:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3400**		51		mg/Kg		12/31/25 12:53	01/01/26 00:51	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH05 6'

Date Collected: 12/23/25 11:10
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-13

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		5.0		mg/Kg		12/31/25 09:06	01/05/26 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 08:59	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 08:59	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 08:59	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 09:06	01/05/26 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*12/31/25 09:06*	*01/05/26 08:59*	*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		9.6		mg/Kg		01/02/26 09:03	01/02/26 21:58	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/02/26 09:03*	*01/02/26 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6600**		51		mg/Kg		12/31/25 12:53	01/01/26 01:05	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH05 8'

Date Collected: 12/23/25 11:15
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-14

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		4.8		mg/Kg		12/31/25 09:06	01/05/26 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*12/31/25 09:06*	*01/05/26 09:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 09:22	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 09:22	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 09:22	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*12/31/25 09:06*	*01/05/26 09:22*	*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		8.9		mg/Kg		01/02/26 09:03	01/02/26 22:10	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		01/02/26 09:03	01/02/26 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*	*01/02/26 09:03*	*01/02/26 22:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		51		mg/Kg		12/31/25 12:53	01/01/26 01:18	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH06 0'

Date Collected: 12/22/25 11:20
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-15

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		4.8		mg/Kg		12/31/25 09:06	01/05/26 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 09:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 09:46	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 09:46	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 09:46	1
Xylenes, Total	ND		0.096		mg/Kg		12/31/25 09:06	01/05/26 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 09:46*	*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]	**180**		9.5		mg/Kg		01/02/26 09:03	01/02/26 22:21	1
Motor Oil Range Organics [C28-C40]	**84**		48		mg/Kg		01/02/26 09:03	01/02/26 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*	*01/02/26 09:03*	*01/02/26 22:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4000**		50		mg/Kg		12/31/25 12:53	01/01/26 01:32	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH06 4'

Date Collected: 12/22/25 11:33
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-16

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		12/31/25 09:06	01/05/26 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 10:09	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 10:09	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 10:09	1
Xylenes, Total	ND		0.099		mg/Kg		12/31/25 09:06	01/05/26 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/02/26 09:03	01/02/26 22:33	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/02/26 09:03	01/02/26 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*01/02/26 09:03*	*01/02/26 22:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7000**		49		mg/Kg		12/31/25 12:53	01/01/26 01:46	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH07 0'

Date Collected: 12/23/25 11:45
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-17

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		4.8		mg/Kg		12/31/25 09:06	01/05/26 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 10:33	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 10:33	1
Toluene	ND		0.048		mg/Kg		12/31/25 09:06	01/05/26 10:33	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:33*	*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		01/02/26 09:03	01/02/26 22:44	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/02/26 09:03*	*01/02/26 22:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		50		mg/Kg		12/31/25 12:53	01/01/26 01:59	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH07 4'

Date Collected: 12/23/25 11:47
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-18

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		12/31/25 09:06	01/05/26 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 10:57	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 10:57	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 10:57	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*12/31/25 09:06*	*01/05/26 10:57*	*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		01/02/26 09:03	01/02/26 22:56	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 09:03	01/02/26 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/02/26 09:03*	*01/02/26 22:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6700**		50		mg/Kg		12/31/25 12:53	01/01/26 02:13	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH07 6'

Date Collected: 12/23/25 11:51
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-19

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		12/31/25 09:06	01/05/26 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 09:06*	*01/05/26 11:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:06	01/05/26 11:20	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 11:20	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:06	01/05/26 11:20	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 09:06	01/05/26 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*12/31/25 09:06*	*01/05/26 11:20*	*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		01/02/26 09:03	01/02/26 23:19	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/02/26 09:03	01/02/26 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*01/02/26 09:03*	*01/02/26 23:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6000**		50		mg/Kg		12/31/25 12:53	01/01/26 02:54	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH08 0'

Date Collected: 12/23/25 12:10
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-20

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		12/31/25 09:06	01/05/26 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*12/31/25 09:06*	*01/05/26 11:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 09:06	01/05/26 11:44	1
Ethylbenzene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 11:44	1
Toluene	ND		0.049		mg/Kg		12/31/25 09:06	01/05/26 11:44	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 09:06	01/05/26 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 09:06*	*01/05/26 11:44*	*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		01/02/26 09:03	01/02/26 23:31	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/02/26 09:03	01/02/26 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*01/02/26 09:03*	*01/02/26 23:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**810**		50		mg/Kg		12/31/25 12:53	01/01/26 03:08	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH08 4'

Date Collected: 12/23/25 12:14
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-21

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		12/31/25 13:53	01/05/26 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 13:53*	*01/05/26 20:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		12/31/25 13:53	01/05/26 20:21	1
Ethylbenzene	ND		0.048		mg/Kg		12/31/25 13:53	01/05/26 20:21	1
Toluene	ND		0.048		mg/Kg		12/31/25 13:53	01/05/26 20:21	1
Xylenes, Total	ND		0.097		mg/Kg		12/31/25 13:53	01/05/26 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*12/31/25 13:53*	*01/05/26 20:21*	*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		10		mg/Kg		01/02/26 12:57	01/02/26 22:30	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/02/26 12:57	01/02/26 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*01/02/26 12:57*	*01/02/26 22:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7200**		50		mg/Kg		01/02/26 07:43	01/02/26 10:05	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH08 6'

Date Collected: 12/23/25 12:17
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-22

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		12/31/25 13:53	01/05/26 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*12/31/25 13:53*	*01/05/26 20:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 13:53	01/05/26 20:45	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 13:53	01/05/26 20:45	1
Toluene	ND		0.050		mg/Kg		12/31/25 13:53	01/05/26 20:45	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 13:53	01/05/26 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 150*	*12/31/25 13:53*	*01/05/26 20:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		01/02/26 12:57	01/02/26 22:54	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/02/26 12:57	01/02/26 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/02/26 12:57*	*01/02/26 22:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		50		mg/Kg		01/02/26 07:43	01/02/26 10:18	10

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

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

Lab Sample ID: MB 885-40686/1-A
Matrix: Solid
Analysis Batch: 40824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40686

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		12/31/25 09:05	01/05/26 02:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*12/31/25 09:05*	*01/05/26 02:00*	*1*

Lab Sample ID: LCS 885-40686/2-A
Matrix: Solid
Analysis Batch: 40824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40686

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	21.9		mg/Kg		88	70 - 130		

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

Lab Sample ID: 885-40446-1 MS
Matrix: Solid
Analysis Batch: 40824

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 40686

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	19.3		mg/Kg		78	70 - 130		

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

Lab Sample ID: 885-40446-1 MSD
Matrix: Solid
Analysis Batch: 40824

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 40686

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	19.4		mg/Kg		78	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*190*		*15 - 150*

Lab Sample ID: MB 885-40714/1-A
Matrix: Solid
Analysis Batch: 40851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40714

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		12/31/25 13:53	01/05/26 15:26	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

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

Lab Sample ID: MB 885-40714/1-A
Matrix: Solid
Analysis Batch: 40851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40714

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150	12/31/25 13:53	01/05/26 15:26	1

Lab Sample ID: LCS 885-40714/2-A
Matrix: Solid
Analysis Batch: 40851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	23.3		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	183		15 - 150

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-40686/1-A
Matrix: Solid
Analysis Batch: 40825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40686

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 09:05	01/05/26 02:00	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 09:05	01/05/26 02:00	1
Toluene	ND		0.050		mg/Kg		12/31/25 09:05	01/05/26 02:00	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 09:05	01/05/26 02:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150	12/31/25 09:05	01/05/26 02:00	1

Lab Sample ID: LCS 885-40686/3-A
Matrix: Solid
Analysis Batch: 40825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40686

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.854		mg/Kg		85	70 - 130		
Ethylbenzene			1.00	0.827		mg/Kg		83	70 - 130		
Toluene			1.00	0.837		mg/Kg		84	70 - 130		
m,p-Xylene			2.00	1.70		mg/Kg		85	70 - 130		
o-Xylene			1.00	0.818		mg/Kg		82	70 - 130		
Xylenes, Total			3.00	2.52		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		15 - 150

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

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

Lab Sample ID: 885-40446-2 MS
Matrix: Solid
Analysis Batch: 40825

Client Sample ID: BH01 4'
Prep Type: Total/NA
Prep Batch: 40686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.988	0.786		mg/Kg		79	70 - 130
Ethylbenzene	ND		0.988	0.788		mg/Kg		80	70 - 130
Toluene	ND		0.988	0.805		mg/Kg		81	70 - 130
m,p-Xylene	ND		1.98	1.58		mg/Kg		80	70 - 130
o-Xylene	ND		0.988	0.775		mg/Kg		78	70 - 130
Xylenes, Total	ND		2.96	2.36		mg/Kg		79	70 - 130

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

Lab Sample ID: 885-40446-2 MSD
Matrix: Solid
Analysis Batch: 40825

Client Sample ID: BH01 4'
Prep Type: Total/NA
Prep Batch: 40686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.985	0.789		mg/Kg		80	70 - 130	0	20
Ethylbenzene	ND		0.985	0.777		mg/Kg		79	70 - 130	1	20
Toluene	ND		0.985	0.784		mg/Kg		80	70 - 130	3	20
m,p-Xylene	ND		1.97	1.55		mg/Kg		79	70 - 130	2	20
o-Xylene	ND		0.985	0.752		mg/Kg		76	70 - 130	3	20
Xylenes, Total	ND		2.96	2.31		mg/Kg		77	70 - 130	2	20

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

Lab Sample ID: MB 885-40714/1-A
Matrix: Solid
Analysis Batch: 40852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40714

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		12/31/25 13:53	01/05/26 15:26	1
Ethylbenzene	ND		0.050		mg/Kg		12/31/25 13:53	01/05/26 15:26	1
Toluene	ND		0.050		mg/Kg		12/31/25 13:53	01/05/26 15:26	1
Xylenes, Total	ND		0.10		mg/Kg		12/31/25 13:53	01/05/26 15:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*12/31/25 13:53*	*01/05/26 15:26*	*1*

Lab Sample ID: LCS 885-40714/3-A
Matrix: Solid
Analysis Batch: 40852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			1.00	0.854		mg/Kg		85	70 - 130
Ethylbenzene			1.00	0.827		mg/Kg		83	70 - 130
Toluene			1.00	0.856		mg/Kg		86	70 - 130
m,p-Xylene			2.00	1.69		mg/Kg		85	70 - 130
o-Xylene			1.00	0.818		mg/Kg		82	70 - 130

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

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

Lab Sample ID: LCS 885-40714/3-A
Matrix: Solid
Analysis Batch: 40852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			3.00	2.51		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*

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

Lab Sample ID: MB 885-40752/1-A
Matrix: Solid
Analysis Batch: 40771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40752

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/02/26 09:03	01/02/26 19:04	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/02/26 09:03	01/02/26 19:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*01/02/26 09:03*	*01/02/26 19:04*	*1*

Lab Sample ID: LCS 885-40752/2-A
Matrix: Solid
Analysis Batch: 40771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	46.0		mg/Kg		92	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*68*		*62 - 134*

Lab Sample ID: 885-40446-20 MS
Matrix: Solid
Analysis Batch: 40771

Client Sample ID: BH08 0'
Prep Type: Total/NA
Prep Batch: 40752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		46.6	42.6		mg/Kg		92	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*

Lab Sample ID: 885-40446-20 MSD
Matrix: Solid
Analysis Batch: 40771

Client Sample ID: BH08 0'
Prep Type: Total/NA
Prep Batch: 40752

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		49.8	43.7		mg/Kg		88	44 - 136	3	32

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

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

Lab Sample ID: 885-40446-20 MSD
Matrix: Solid
Analysis Batch: 40771

Client Sample ID: BH08 0'
Prep Type: Total/NA
Prep Batch: 40752

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*

Lab Sample ID: MB 885-40775/1-A
Matrix: Solid
Analysis Batch: 40770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40775

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/02/26 12:57	01/02/26 21:21	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/02/26 12:57	01/02/26 21:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*01/02/26 12:57*	*01/02/26 21:21*	*1*

Lab Sample ID: LCS 885-40775/2-A
Matrix: Solid
Analysis Batch: 40770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40775

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	48.2		mg/Kg		96	51 - 148		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-40699/1-A
Matrix: Solid
Analysis Batch: 40696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40699

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		12/31/25 12:53	12/31/25 20:04	1

Lab Sample ID: LCS 885-40699/2-A
Matrix: Solid
Analysis Batch: 40696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40699

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			49.7	46.5		mg/Kg		94	90 - 110		

Lab Sample ID: 885-40446-1 MS
Matrix: Solid
Analysis Batch: 40696

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 40699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	650		49.3	688	4	mg/Kg		68	50 - 150		

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-40446-1 MSD
Matrix: Solid
Analysis Batch: 40696

Client Sample ID: BH01 0'
Prep Type: Total/NA
Prep Batch: 40699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	650		49.8	681	4	mg/Kg		54	50 - 150	1	20

Lab Sample ID: MB 885-40746/1-A
Matrix: Solid
Analysis Batch: 40753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40746

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		01/02/26 07:43	01/02/26 09:37	1

Lab Sample ID: LCS 885-40746/2-A
Matrix: Solid
Analysis Batch: 40753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	46.7		mg/Kg		93	90 - 110		

Lab Sample ID: MRL 885-40927/3
Matrix: Solid
Analysis Batch: 40927

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.500		mg/L		100	50 - 150		

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

GC VOA

Prep Batch: 40686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	5030C	
885-40446-2	BH01 4'	Total/NA	Solid	5030C	
885-40446-3	BH01 6'	Total/NA	Solid	5030C	
885-40446-4	BH02 0'	Total/NA	Solid	5030C	
885-40446-5	BH02 2'	Total/NA	Solid	5030C	
885-40446-6	BH02 4'	Total/NA	Solid	5030C	
885-40446-7	BH03 0'	Total/NA	Solid	5030C	
885-40446-8	BH03 4'	Total/NA	Solid	5030C	
885-40446-9	BH03 7.5'	Total/NA	Solid	5030C	
885-40446-10	BH04 0'	Total/NA	Solid	5030C	
885-40446-11	BH04 4'	Total/NA	Solid	5030C	
885-40446-12	BH05 0'	Total/NA	Solid	5030C	
885-40446-13	BH05 6'	Total/NA	Solid	5030C	
885-40446-14	BH05 8'	Total/NA	Solid	5030C	
885-40446-15	BH06 0'	Total/NA	Solid	5030C	
885-40446-16	BH06 4'	Total/NA	Solid	5030C	
885-40446-17	BH07 0'	Total/NA	Solid	5030C	
885-40446-18	BH07 4'	Total/NA	Solid	5030C	
885-40446-19	BH07 6'	Total/NA	Solid	5030C	
885-40446-20	BH08 0'	Total/NA	Solid	5030C	
MB 885-40686/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-40686/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-40686/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-40446-1 MS	BH01 0'	Total/NA	Solid	5030C	
885-40446-1 MSD	BH01 0'	Total/NA	Solid	5030C	
885-40446-2 MS	BH01 4'	Total/NA	Solid	5030C	
885-40446-2 MSD	BH01 4'	Total/NA	Solid	5030C	

Prep Batch: 40714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	5030C	
885-40446-22	BH08 6'	Total/NA	Solid	5030C	
MB 885-40714/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-40714/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-40714/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 40824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	8015M/D	40686
885-40446-2	BH01 4'	Total/NA	Solid	8015M/D	40686
885-40446-3	BH01 6'	Total/NA	Solid	8015M/D	40686
885-40446-4	BH02 0'	Total/NA	Solid	8015M/D	40686
885-40446-5	BH02 2'	Total/NA	Solid	8015M/D	40686
885-40446-6	BH02 4'	Total/NA	Solid	8015M/D	40686
885-40446-7	BH03 0'	Total/NA	Solid	8015M/D	40686
885-40446-8	BH03 4'	Total/NA	Solid	8015M/D	40686
885-40446-9	BH03 7.5'	Total/NA	Solid	8015M/D	40686
885-40446-10	BH04 0'	Total/NA	Solid	8015M/D	40686
885-40446-11	BH04 4'	Total/NA	Solid	8015M/D	40686
885-40446-12	BH05 0'	Total/NA	Solid	8015M/D	40686
885-40446-13	BH05 6'	Total/NA	Solid	8015M/D	40686

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

GC VOA (Continued)

Analysis Batch: 40824 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-14	BH05 8'	Total/NA	Solid	8015M/D	40686
885-40446-15	BH06 0'	Total/NA	Solid	8015M/D	40686
885-40446-16	BH06 4'	Total/NA	Solid	8015M/D	40686
885-40446-17	BH07 0'	Total/NA	Solid	8015M/D	40686
885-40446-18	BH07 4'	Total/NA	Solid	8015M/D	40686
885-40446-19	BH07 6'	Total/NA	Solid	8015M/D	40686
885-40446-20	BH08 0'	Total/NA	Solid	8015M/D	40686
MB 885-40686/1-A	Method Blank	Total/NA	Solid	8015M/D	40686
LCS 885-40686/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40686
885-40446-1 MS	BH01 0'	Total/NA	Solid	8015M/D	40686
885-40446-1 MSD	BH01 0'	Total/NA	Solid	8015M/D	40686

Analysis Batch: 40825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	8021B	40686
885-40446-2	BH01 4'	Total/NA	Solid	8021B	40686
885-40446-3	BH01 6'	Total/NA	Solid	8021B	40686
885-40446-4	BH02 0'	Total/NA	Solid	8021B	40686
885-40446-5	BH02 2'	Total/NA	Solid	8021B	40686
885-40446-6	BH02 4'	Total/NA	Solid	8021B	40686
885-40446-7	BH03 0'	Total/NA	Solid	8021B	40686
885-40446-8	BH03 4'	Total/NA	Solid	8021B	40686
885-40446-9	BH03 7.5'	Total/NA	Solid	8021B	40686
885-40446-10	BH04 0'	Total/NA	Solid	8021B	40686
885-40446-11	BH04 4'	Total/NA	Solid	8021B	40686
885-40446-12	BH05 0'	Total/NA	Solid	8021B	40686
885-40446-13	BH05 6'	Total/NA	Solid	8021B	40686
885-40446-14	BH05 8'	Total/NA	Solid	8021B	40686
885-40446-15	BH06 0'	Total/NA	Solid	8021B	40686
885-40446-16	BH06 4'	Total/NA	Solid	8021B	40686
885-40446-17	BH07 0'	Total/NA	Solid	8021B	40686
885-40446-18	BH07 4'	Total/NA	Solid	8021B	40686
885-40446-19	BH07 6'	Total/NA	Solid	8021B	40686
885-40446-20	BH08 0'	Total/NA	Solid	8021B	40686
MB 885-40686/1-A	Method Blank	Total/NA	Solid	8021B	40686
LCS 885-40686/3-A	Lab Control Sample	Total/NA	Solid	8021B	40686
885-40446-2 MS	BH01 4'	Total/NA	Solid	8021B	40686
885-40446-2 MSD	BH01 4'	Total/NA	Solid	8021B	40686

Analysis Batch: 40851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	8015M/D	40714
885-40446-22	BH08 6'	Total/NA	Solid	8015M/D	40714
MB 885-40714/1-A	Method Blank	Total/NA	Solid	8015M/D	40714
LCS 885-40714/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40714

Analysis Batch: 40852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	8021B	40714
885-40446-22	BH08 6'	Total/NA	Solid	8021B	40714
MB 885-40714/1-A	Method Blank	Total/NA	Solid	8021B	40714

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

GC VOA (Continued)

Analysis Batch: 40852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-40714/3-A	Lab Control Sample	Total/NA	Solid	8021B	40714

GC Semi VOA

Prep Batch: 40752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	SHAKE	
885-40446-2	BH01 4'	Total/NA	Solid	SHAKE	
885-40446-3	BH01 6'	Total/NA	Solid	SHAKE	
885-40446-4	BH02 0'	Total/NA	Solid	SHAKE	
885-40446-5	BH02 2'	Total/NA	Solid	SHAKE	
885-40446-6	BH02 4'	Total/NA	Solid	SHAKE	
885-40446-7	BH03 0'	Total/NA	Solid	SHAKE	
885-40446-8	BH03 4'	Total/NA	Solid	SHAKE	
885-40446-9	BH03 7.5'	Total/NA	Solid	SHAKE	
885-40446-10	BH04 0'	Total/NA	Solid	SHAKE	
885-40446-11	BH04 4'	Total/NA	Solid	SHAKE	
885-40446-12	BH05 0'	Total/NA	Solid	SHAKE	
885-40446-13	BH05 6'	Total/NA	Solid	SHAKE	
885-40446-14	BH05 8'	Total/NA	Solid	SHAKE	
885-40446-15	BH06 0'	Total/NA	Solid	SHAKE	
885-40446-16	BH06 4'	Total/NA	Solid	SHAKE	
885-40446-17	BH07 0'	Total/NA	Solid	SHAKE	
885-40446-18	BH07 4'	Total/NA	Solid	SHAKE	
885-40446-19	BH07 6'	Total/NA	Solid	SHAKE	
885-40446-20	BH08 0'	Total/NA	Solid	SHAKE	
MB 885-40752/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40752/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-40446-20 MS	BH08 0'	Total/NA	Solid	SHAKE	
885-40446-20 MSD	BH08 0'	Total/NA	Solid	SHAKE	

Analysis Batch: 40770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	8015M/D	40775
885-40446-22	BH08 6'	Total/NA	Solid	8015M/D	40775
MB 885-40775/1-A	Method Blank	Total/NA	Solid	8015M/D	40775
LCS 885-40775/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40775

Analysis Batch: 40771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	8015M/D	40752
885-40446-2	BH01 4'	Total/NA	Solid	8015M/D	40752
885-40446-3	BH01 6'	Total/NA	Solid	8015M/D	40752
885-40446-4	BH02 0'	Total/NA	Solid	8015M/D	40752
885-40446-5	BH02 2'	Total/NA	Solid	8015M/D	40752
885-40446-6	BH02 4'	Total/NA	Solid	8015M/D	40752
885-40446-7	BH03 0'	Total/NA	Solid	8015M/D	40752
885-40446-8	BH03 4'	Total/NA	Solid	8015M/D	40752
885-40446-9	BH03 7.5'	Total/NA	Solid	8015M/D	40752
885-40446-10	BH04 0'	Total/NA	Solid	8015M/D	40752
885-40446-11	BH04 4'	Total/NA	Solid	8015M/D	40752

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

GC Semi VOA (Continued)

Analysis Batch: 40771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-12	BH05 0'	Total/NA	Solid	8015M/D	40752
885-40446-13	BH05 6'	Total/NA	Solid	8015M/D	40752
885-40446-14	BH05 8'	Total/NA	Solid	8015M/D	40752
885-40446-15	BH06 0'	Total/NA	Solid	8015M/D	40752
885-40446-16	BH06 4'	Total/NA	Solid	8015M/D	40752
885-40446-17	BH07 0'	Total/NA	Solid	8015M/D	40752
885-40446-18	BH07 4'	Total/NA	Solid	8015M/D	40752
885-40446-19	BH07 6'	Total/NA	Solid	8015M/D	40752
885-40446-20	BH08 0'	Total/NA	Solid	8015M/D	40752
MB 885-40752/1-A	Method Blank	Total/NA	Solid	8015M/D	40752
LCS 885-40752/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	40752
885-40446-20 MS	BH08 0'	Total/NA	Solid	8015M/D	40752
885-40446-20 MSD	BH08 0'	Total/NA	Solid	8015M/D	40752

Prep Batch: 40775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	SHAKE	
885-40446-22	BH08 6'	Total/NA	Solid	SHAKE	
MB 885-40775/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-40775/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 40696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	300.0	40699
885-40446-2	BH01 4'	Total/NA	Solid	300.0	40699
885-40446-3	BH01 6'	Total/NA	Solid	300.0	40699
885-40446-4	BH02 0'	Total/NA	Solid	300.0	40699
885-40446-5	BH02 2'	Total/NA	Solid	300.0	40699
885-40446-6	BH02 4'	Total/NA	Solid	300.0	40699
885-40446-7	BH03 0'	Total/NA	Solid	300.0	40699
885-40446-8	BH03 4'	Total/NA	Solid	300.0	40699
885-40446-10	BH04 0'	Total/NA	Solid	300.0	40699
885-40446-11	BH04 4'	Total/NA	Solid	300.0	40699
885-40446-12	BH05 0'	Total/NA	Solid	300.0	40699
885-40446-13	BH05 6'	Total/NA	Solid	300.0	40699
885-40446-14	BH05 8'	Total/NA	Solid	300.0	40699
885-40446-15	BH06 0'	Total/NA	Solid	300.0	40699
885-40446-16	BH06 4'	Total/NA	Solid	300.0	40699
885-40446-17	BH07 0'	Total/NA	Solid	300.0	40699
885-40446-18	BH07 4'	Total/NA	Solid	300.0	40699
885-40446-19	BH07 6'	Total/NA	Solid	300.0	40699
885-40446-20	BH08 0'	Total/NA	Solid	300.0	40699
MB 885-40699/1-A	Method Blank	Total/NA	Solid	300.0	40699
LCS 885-40699/2-A	Lab Control Sample	Total/NA	Solid	300.0	40699
885-40446-1 MS	BH01 0'	Total/NA	Solid	300.0	40699
885-40446-1 MSD	BH01 0'	Total/NA	Solid	300.0	40699

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

HPLC/IC

Prep Batch: 40699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-1	BH01 0'	Total/NA	Solid	300_Prep	
885-40446-2	BH01 4'	Total/NA	Solid	300_Prep	
885-40446-3	BH01 6'	Total/NA	Solid	300_Prep	
885-40446-4	BH02 0'	Total/NA	Solid	300_Prep	
885-40446-5	BH02 2'	Total/NA	Solid	300_Prep	
885-40446-6	BH02 4'	Total/NA	Solid	300_Prep	
885-40446-7	BH03 0'	Total/NA	Solid	300_Prep	
885-40446-8	BH03 4'	Total/NA	Solid	300_Prep	
885-40446-9	BH03 7.5'	Total/NA	Solid	300_Prep	
885-40446-10	BH04 0'	Total/NA	Solid	300_Prep	
885-40446-11	BH04 4'	Total/NA	Solid	300_Prep	
885-40446-12	BH05 0'	Total/NA	Solid	300_Prep	
885-40446-13	BH05 6'	Total/NA	Solid	300_Prep	
885-40446-14	BH05 8'	Total/NA	Solid	300_Prep	
885-40446-15	BH06 0'	Total/NA	Solid	300_Prep	
885-40446-16	BH06 4'	Total/NA	Solid	300_Prep	
885-40446-17	BH07 0'	Total/NA	Solid	300_Prep	
885-40446-18	BH07 4'	Total/NA	Solid	300_Prep	
885-40446-19	BH07 6'	Total/NA	Solid	300_Prep	
885-40446-20	BH08 0'	Total/NA	Solid	300_Prep	
MB 885-40699/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40699/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-40446-1 MS	BH01 0'	Total/NA	Solid	300_Prep	
885-40446-1 MSD	BH01 0'	Total/NA	Solid	300_Prep	

Prep Batch: 40746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	300_Prep	
885-40446-22	BH08 6'	Total/NA	Solid	300_Prep	
MB 885-40746/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-40746/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 40753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-21	BH08 4'	Total/NA	Solid	300.0	40746
885-40446-22	BH08 6'	Total/NA	Solid	300.0	40746
MB 885-40746/1-A	Method Blank	Total/NA	Solid	300.0	40746
LCS 885-40746/2-A	Lab Control Sample	Total/NA	Solid	300.0	40746

Analysis Batch: 40927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-40446-9	BH03 7.5'	Total/NA	Solid	300.0	40699
MRL 885-40927/3	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH01 0'
Lab Sample ID: 885-40446-1
Date Collected: 12/22/25 09:30
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 02:23
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 02:23
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 19:27
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 20:32

Client Sample ID: BH01 4'
Lab Sample ID: 885-40446-2
Date Collected: 12/22/25 09:39
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 03:33
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 03:33
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 19:39
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 20:45

Client Sample ID: BH01 6'
Lab Sample ID: 885-40446-3
Date Collected: 12/23/25 09:39
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 04:43
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 04:43
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 19:50
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 22:21

Client Sample ID: BH02 0'
Lab Sample ID: 885-40446-4
Date Collected: 12/22/25 09:45
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 05:06

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH02 0'
Lab Sample ID: 885-40446-4
Date Collected: 12/22/25 09:45
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 05:06
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 20:02
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 22:34

Client Sample ID: BH02 2'
Lab Sample ID: 885-40446-5
Date Collected: 12/22/25 09:51
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 05:29
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 05:29
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 20:14
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 22:48

Client Sample ID: BH02 4'
Lab Sample ID: 885-40446-6
Date Collected: 12/22/25 09:57
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 05:53
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 05:53
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 20:25
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 23:02

Client Sample ID: BH03 0'
Lab Sample ID: 885-40446-7
Date Collected: 12/22/25 10:15
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 06:16
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 06:16

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH03 0'

Lab Sample ID: 885-40446-7

Date Collected: 12/22/25 10:15

Matrix: Solid

Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 20:37
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 23:15

Client Sample ID: BH03 4'

Lab Sample ID: 885-40446-8

Date Collected: 12/22/25 10:31

Matrix: Solid

Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 06:39
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 06:39
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 20:49
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	12/31/25 23:29

Client Sample ID: BH03 7.5'

Lab Sample ID: 885-40446-9

Date Collected: 12/23/25 12:32

Matrix: Solid

Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 07:02
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 07:02
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 21:12
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		20	40927	KB	EET ALB	01/06/26 16:10

Client Sample ID: BH04 0'

Lab Sample ID: 885-40446-10

Date Collected: 12/22/25 10:48

Matrix: Solid

Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 07:26
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 07:26
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 21:23

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH04 0'
Date Collected: 12/22/25 10:48
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 00:24

Client Sample ID: BH04 4'
Date Collected: 12/22/25 11:04
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 08:12
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 08:12
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 21:35
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 00:37

Client Sample ID: BH05 0'
Date Collected: 12/22/25 11:30
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 08:36
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 08:36
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 21:47
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 00:51

Client Sample ID: BH05 6'
Date Collected: 12/23/25 11:10
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 08:59
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 08:59
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 21:58
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 01:05

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH05 8'
Lab Sample ID: 885-40446-14
Date Collected: 12/23/25 11:15
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 09:22
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 09:22
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 22:10
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 01:18

Client Sample ID: BH06 0'
Lab Sample ID: 885-40446-15
Date Collected: 12/22/25 11:20
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 09:46
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 09:46
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 22:21
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 01:32

Client Sample ID: BH06 4'
Lab Sample ID: 885-40446-16
Date Collected: 12/22/25 11:33
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 10:09
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 10:09
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 22:33
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 01:46

Client Sample ID: BH07 0'
Lab Sample ID: 885-40446-17
Date Collected: 12/23/25 11:45
Matrix: Solid
Date Received: 12/30/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 10:33

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH07 0'
Date Collected: 12/23/25 11:45
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 10:33
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 22:44
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 01:59

Client Sample ID: BH07 4'
Date Collected: 12/23/25 11:47
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 10:57
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 10:57
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 22:56
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 02:13

Client Sample ID: BH07 6'
Date Collected: 12/23/25 11:51
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 11:20
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 11:20
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 23:19
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 02:54

Client Sample ID: BH08 0'
Date Collected: 12/23/25 12:10
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8015M/D		1	40824	VP	EET ALB	01/05/26 11:44
Total/NA	Prep	5030C			40686	VP	EET ALB	12/31/25 09:06
Total/NA	Analysis	8021B		1	40825	VP	EET ALB	01/05/26 11:44

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-40446-1

Client Sample ID: BH08 0'
Date Collected: 12/23/25 12:10
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			40752	DH	EET ALB	01/02/26 09:03
Total/NA	Analysis	8015M/D		1	40771	BV	EET ALB	01/02/26 23:31
Total/NA	Prep	300_Prep			40699	EH	EET ALB	12/31/25 12:53
Total/NA	Analysis	300.0		10	40696	EH	EET ALB	01/01/26 03:08

Client Sample ID: BH08 4'
Date Collected: 12/23/25 12:14
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40714	JP	EET ALB	12/31/25 13:53
Total/NA	Analysis	8015M/D		1	40851	VP	EET ALB	01/05/26 20:21
Total/NA	Prep	5030C			40714	JP	EET ALB	12/31/25 13:53
Total/NA	Analysis	8021B		1	40852	VP	EET ALB	01/05/26 20:21
Total/NA	Prep	SHAKE			40775	BV	EET ALB	01/02/26 12:57
Total/NA	Analysis	8015M/D		1	40770	BV	EET ALB	01/02/26 22:30
Total/NA	Prep	300_Prep			40746	JT	EET ALB	01/02/26 07:43
Total/NA	Analysis	300.0		10	40753	JT	EET ALB	01/02/26 10:05

Client Sample ID: BH08 6'
Date Collected: 12/23/25 12:17
Date Received: 12/30/25 07:40

Lab Sample ID: 885-40446-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			40714	JP	EET ALB	12/31/25 13:53
Total/NA	Analysis	8015M/D		1	40851	VP	EET ALB	01/05/26 20:45
Total/NA	Prep	5030C			40714	JP	EET ALB	12/31/25 13:53
Total/NA	Analysis	8021B		1	40852	VP	EET ALB	01/05/26 20:45
Total/NA	Prep	SHAKE			40775	BV	EET ALB	01/02/26 12:57
Total/NA	Analysis	8015M/D		1	40770	BV	EET ALB	01/02/26 22:54
Total/NA	Prep	300_Prep			40746	JT	EET ALB	01/02/26 07:43
Total/NA	Analysis	300.0		10	40753	JT	EET ALB	01/02/26 10:18

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: North Thistle Pipeline

Job ID: 885-40446-1

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	02-25-26

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	02-25-26

* Direct B:11 *

Chain-of-Custody Record

Client: Devon Energy
Jim Raley

Mailing Address:

Phone #:

email or Fax#: jim.raley@dvn.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 5 Day

Project Name: North Thistle Pipeline

Project #: 2507-11205

Project Manager: Monica Peppin / Will Harmon
575-909-3418

Sampler: MTP

On Ice: ☑ Yes ☐ No joe

# of Coolers: 1

Cooler Temp(including CF): 1.2+0.2=1.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-40446 COC

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/22	9:30	Soil	BH01 0'	4oz	Ice		✓	✓					✓			
12/22	9:39		01 4'													
12/23	9:39		01 6'													
12/22	9:45		BH02 0'													
12/22	9:51		02 2'													
12/22	9:57		02 4'													
12/22	10:15		BH03 0'													
12/22	10:31		03 4'													
12/23	12:32		03 7.5'													
12/22	10:48		BH04 0'													
12/22	11:04		04 4'													
12/22	11:30		BH05 0'													

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/29/25	915
12/29/25	1900			Courier	12/30/25	7:40

Remarks: 575.909.3418
CC: monica.peppin@kljeng.com
Call for w/o# / Direct B:11 Devon

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.

~~Direct Bill~~

2 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: North Thistle Pipeline
Project #: 2507-11205
Project Manager: Monica Peppin/Will Harmon
Sampler: MJP
On Ice: ☐ Yes ☐ No
# of Coolers:
Cooler Temp(including CF): (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/23	~~9:30~~ 11:10	Soil	BH05 6'	4oz	ice		✓	✓					✓			
12/23	1115		05 8'													
12/22	1120		BH06 0'													
12/22	1133		06 4'													
12/23	1145		BH07 0'													
12/23	1147		07 4'													
12/23	1151		07 6'													
12/23	1210		BH08 0'													
12/23	1214		08 4'													
12/23	1217		08 6'													

Remarks:

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
					12/29/25	915
12/29/25	1900					

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: 885-40446-1

Login Number: 40446 **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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Peppin
Devon Energy Corporation
6488 Seven Rivers Hwy
Artesia, New Mexico 88210

Generated 1/29/2026 11:10:57 AM

JOB DESCRIPTION

North Thistle Pipeline

JOB NUMBER

885-41550-1

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

Generated
1/29/2026 11:10:57 AM

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

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Laboratory Job ID: 885-41550-1

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
QC Sample Results 50
QC Association Summary 60
Lab Chronicle 70
Certification Summary 84
Chain of Custody 85
Receipt Checklists 89

Definitions/Glossary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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: North Thistle Pipeline

Job ID: 885-41550-1

Job ID: 885-41550-1 Eurofins Albuquerque

Job Narrative
885-41550-1

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

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

Receipt
The samples were received on 1/19/2026 7:35 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 5.9°C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): TP06 4' (885-41550-22). The container labels list a collection date of 1/13/26, while the COC lists 1/14/26. The client was contacted and a voice message was left, which stated that we have logged per the COC, but to call the lab if changes are necessary.

Gasoline Range Organics
Method 8015M/D: The matrix spike (MS) recoveries for preparation batch 885-41622 and analytical batch 885-42068 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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
Method 8015M/D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-41628 and analytical batch 885-41579 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015M/D: Surrogate recovery for the following sample(s) is outside the upper control limit: Reporting samples due to non detect data.

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

HPLC/IC
Method 300.0: The matrix spike duplicate (MSD) recoveries for preparation batch 885-41682 and analytical batch 885-41684 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 0'
Date Collected: 01/13/26 10:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-1
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		01/19/26 12:34	01/21/26 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/19/26 12:34*	*01/21/26 01:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 01:57	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 01:57	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 01:57	1
Xylenes, Total	ND		0.097		mg/Kg		01/19/26 12:34	01/21/26 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*15 - 150*	*01/19/26 12:34*	*01/21/26 01:57*	*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		01/19/26 15:33	01/19/26 18:23	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/19/26 15:33	01/19/26 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*01/19/26 15:33*	*01/19/26 18:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		01/20/26 14:21	01/20/26 18:53	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 4'
Date Collected: 01/13/26 11:15
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-2
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		01/19/26 12:34	01/21/26 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*01/19/26 12:34*	*01/21/26 02:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 02:19	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 02:19	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 02:19	1
Xylenes, Total	ND		0.098		mg/Kg		01/19/26 12:34	01/21/26 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*15 - 150*	*01/19/26 12:34*	*01/21/26 02:19*	*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		01/19/26 15:33	01/19/26 18:34	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/19/26 15:33	01/19/26 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*01/19/26 15:33*	*01/19/26 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4500**		50		mg/Kg		01/20/26 14:21	01/20/26 19:24	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 8'
Date Collected: 01/13/26 12:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-3
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		01/19/26 12:34	01/21/26 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*01/19/26 12:34*	*01/21/26 02:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 02:40	1
Ethylbenzene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 02:40	1
Toluene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 02:40	1
Xylenes, Total	ND		0.099		mg/Kg		01/19/26 12:34	01/21/26 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*15 - 150*	*01/19/26 12:34*	*01/21/26 02:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/19/26 15:33	01/19/26 18:45	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/19/26 15:33	01/19/26 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*01/19/26 15:33*	*01/19/26 18:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11000**		100		mg/Kg		01/20/26 14:21	01/21/26 18:48	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 16'

Date Collected: 01/13/26 12:28
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-4

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		01/19/26 12:34	01/21/26 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 03:02	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:02	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:02	1
Xylenes, Total	ND		0.098		mg/Kg		01/19/26 12:34	01/21/26 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:02*	*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		01/19/26 15:33	01/19/26 18:56	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/19/26 15:33	01/19/26 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*01/19/26 15:33*	*01/19/26 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 14:21	01/20/26 20:05	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP02 0'
Date Collected: 01/13/26 12:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-5
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		4.9		mg/Kg		01/19/26 12:34	01/21/26 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 03:23	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:23	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:23	1
Xylenes, Total	ND		0.097		mg/Kg		01/19/26 12:34	01/21/26 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:23*	*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		01/19/26 15:33	01/19/26 19:06	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/19/26 15:33	01/19/26 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/19/26 15:33*	*01/19/26 19:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		01/20/26 14:21	01/20/26 20:36	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP02 4'
Date Collected: 01/13/26 12:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-6
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		01/19/26 12:34	01/21/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 03:45	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:45	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 03:45	1
Xylenes, Total	ND		0.099		mg/Kg		01/19/26 12:34	01/21/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*15 - 150*	*01/19/26 12:34*	*01/21/26 03:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/19/26 15:33	01/19/26 19:28	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/19/26 15:33	01/19/26 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/19/26 15:33*	*01/19/26 19:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		01/20/26 14:21	01/20/26 20:47	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP02 8'

Date Collected: 01/13/26 12:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-7

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		01/19/26 12:34	01/21/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/19/26 12:34*	*01/21/26 04:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 04:06	1
Ethylbenzene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 04:06	1
Toluene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 04:06	1
Xylenes, Total	ND		0.097		mg/Kg		01/19/26 12:34	01/21/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*15 - 150*	*01/19/26 12:34*	*01/21/26 04:06*	*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		01/19/26 15:33	01/19/26 19:38	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/19/26 15:33	01/19/26 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*01/19/26 15:33*	*01/19/26 19:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 14:21	01/20/26 20:57	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP03 0'
Date Collected: 01/13/26 13:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-8
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		01/19/26 12:34	01/21/26 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/19/26 12:34*	*01/21/26 04:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 04:49	1
Ethylbenzene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 04:49	1
Toluene	ND		0.049		mg/Kg		01/19/26 12:34	01/21/26 04:49	1
Xylenes, Total	ND		0.098		mg/Kg		01/19/26 12:34	01/21/26 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*15 - 150*	*01/19/26 12:34*	*01/21/26 04:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/19/26 15:33	01/19/26 19:49	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/19/26 15:33	01/19/26 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*01/19/26 15:33*	*01/19/26 19:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 14:21	01/20/26 21:07	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP03 4'
Date Collected: 01/13/26 13:49
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-9
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		01/19/26 12:34	01/21/26 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 05:11	1
Ethylbenzene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 05:11	1
Toluene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 05:11	1
Xylenes, Total	ND		0.095		mg/Kg		01/19/26 12:34	01/21/26 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/19/26 15:33	01/19/26 20:00	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/19/26 15:33	01/19/26 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		01/20/26 14:21	01/20/26 21:18	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP03 8'

Date Collected: 01/13/26 13:55
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-10

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		4.7		mg/Kg		01/19/26 12:34	01/21/26 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 05:32	1
Ethylbenzene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 05:32	1
Toluene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 05:32	1
Xylenes, Total	ND		0.094		mg/Kg		01/19/26 12:34	01/21/26 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:32*	*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		9.8		mg/Kg		01/19/26 15:33	01/19/26 20:10	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/19/26 15:33	01/19/26 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		01/20/26 14:21	01/20/26 21:28	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 0'
Date Collected: 01/13/26 14:12
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-11
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		5.0		mg/Kg		01/19/26 12:34	01/21/26 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:54*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 05:54	1
Ethylbenzene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 05:54	1
Toluene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 05:54	1
Xylenes, Total	ND		0.10		mg/Kg		01/19/26 12:34	01/21/26 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*15 - 150*	*01/19/26 12:34*	*01/21/26 05:54*	*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		9.5		mg/Kg		01/19/26 15:33	01/19/26 20:21	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		49		mg/Kg		01/20/26 14:21	01/20/26 21:38	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 4'
Date Collected: 01/13/26 14:17
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-12
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		01/19/26 12:34	01/21/26 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:15*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 06:15	1
Ethylbenzene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 06:15	1
Toluene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 06:15	1
Xylenes, Total	ND		0.099		mg/Kg		01/19/26 12:34	01/21/26 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:15*	*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		01/19/26 15:33	01/19/26 20:32	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7300**		50		mg/Kg		01/20/26 14:21	01/20/26 21:49	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 8'

Date Collected: 01/13/26 14:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-13

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		4.8		mg/Kg		01/19/26 12:34	01/21/26 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:36*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 06:36	1
Ethylbenzene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 06:36	1
Toluene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 06:36	1
Xylenes, Total	ND		0.097		mg/Kg		01/19/26 12:34	01/21/26 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:36*	*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		01/19/26 15:33	01/19/26 20:42	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/19/26 15:33	01/19/26 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11000**		99		mg/Kg		01/20/26 14:21	01/21/26 18:58	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 12'

Date Collected: 01/13/26 14:35
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-14

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		4.7		mg/Kg		01/19/26 12:34	01/21/26 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 06:58	1
Ethylbenzene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 06:58	1
Toluene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 06:58	1
Xylenes, Total	ND		0.094		mg/Kg		01/19/26 12:34	01/21/26 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*15 - 150*	*01/19/26 12:34*	*01/21/26 06:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		01/19/26 15:33	01/19/26 20:53	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*01/19/26 15:33*	*01/19/26 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9200**		100		mg/Kg		01/20/26 14:21	01/21/26 19:09	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 19'
Date Collected: 01/13/26 15:00
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-15
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		4.7		mg/Kg		01/19/26 12:34	01/21/26 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*15 - 150*	*01/19/26 12:34*	*01/21/26 07:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 07:20	1
Ethylbenzene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 07:20	1
Toluene	ND		0.047		mg/Kg		01/19/26 12:34	01/21/26 07:20	1
Xylenes, Total	ND		0.095		mg/Kg		01/19/26 12:34	01/21/26 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*15 - 150*	*01/19/26 12:34*	*01/21/26 07:20*	*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		01/19/26 15:33	01/19/26 21:04	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/19/26 15:33*	*01/19/26 21:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6200**		51		mg/Kg		01/20/26 14:21	01/20/26 22:40	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 0'

Date Collected: 01/14/26 09:18
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-16

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		4.8		mg/Kg		01/19/26 12:34	01/21/26 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 150*	*01/19/26 12:34*	*01/21/26 07:41*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/19/26 12:34	01/21/26 07:41	1
Ethylbenzene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 07:41	1
Toluene	ND		0.048		mg/Kg		01/19/26 12:34	01/21/26 07:41	1
Xylenes, Total	ND		0.097		mg/Kg		01/19/26 12:34	01/21/26 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*15 - 150*	*01/19/26 12:34*	*01/21/26 07:41*	*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		01/19/26 15:33	01/19/26 21:25	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*	*01/19/26 15:33*	*01/19/26 21:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**700**		51		mg/Kg		01/20/26 14:21	01/20/26 22:51	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 4'
Date Collected: 01/14/26 09:29
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-17
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		01/19/26 12:34	01/21/26 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*	*01/19/26 12:34*	*01/21/26 08:03*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/19/26 12:34	01/21/26 08:03	1
Ethylbenzene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 08:03	1
Toluene	ND		0.050		mg/Kg		01/19/26 12:34	01/21/26 08:03	1
Xylenes, Total	ND		0.10		mg/Kg		01/19/26 12:34	01/21/26 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*01/19/26 12:34*	*01/21/26 08:03*	*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		01/19/26 15:33	01/19/26 21:35	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/19/26 15:33	01/19/26 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*01/19/26 15:33*	*01/19/26 21:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		51		mg/Kg		01/20/26 14:21	01/20/26 23:01	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 8'

Date Collected: 01/14/26 09:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-18

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		01/20/26 12:32	01/28/26 05:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*15 - 150*	*01/20/26 12:32*	*01/28/26 05:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 05:12	1
Ethylbenzene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 05:12	1
Toluene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 05:12	1
Xylenes, Total	ND		0.095		mg/Kg		01/20/26 12:32	01/28/26 05:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*15 - 150*	*01/20/26 12:32*	*01/28/26 05:12*	*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		01/20/26 16:01	01/21/26 17:54	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*01/20/26 16:01*	*01/21/26 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**550**		50		mg/Kg		01/20/26 15:15	01/21/26 15:32	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 12'

Date Collected: 01/14/26 09:56
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-19

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		01/20/26 12:32	01/28/26 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*01/20/26 12:32*	*01/28/26 06:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 12:32	01/28/26 06:22	1
Ethylbenzene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 06:22	1
Toluene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 06:22	1
Xylenes, Total	ND		0.099		mg/Kg		01/20/26 12:32	01/28/26 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*01/20/26 12:32*	*01/28/26 06:22*	*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		01/20/26 16:01	01/21/26 18:06	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/20/26 16:01	01/21/26 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*120*		*62 - 134*	*01/20/26 16:01*	*01/21/26 18:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4000**		50		mg/Kg		01/20/26 15:15	01/21/26 16:32	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 16'

Date Collected: 01/14/26 10:01
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-20

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		01/20/26 12:32	01/28/26 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*01/20/26 12:32*	*01/28/26 07:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 07:33	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 07:33	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 07:33	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 12:32	01/28/26 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*15 - 150*	*01/20/26 12:32*	*01/28/26 07:33*	*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		01/20/26 16:01	01/21/26 18:18	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 16:01	01/21/26 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*126*		*62 - 134*	*01/20/26 16:01*	*01/21/26 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**860**		50		mg/Kg		01/20/26 15:15	01/21/26 15:42	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP06 0'
Date Collected: 01/14/26 10:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-21
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		01/20/26 12:32	01/28/26 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 12:32*	*01/28/26 10:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 10:47	1
Ethylbenzene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 10:47	1
Toluene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 10:47	1
Xylenes, Total	ND		0.097		mg/Kg		01/20/26 12:32	01/28/26 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/20/26 12:32*	*01/28/26 10:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		01/20/26 16:01	01/21/26 18:30	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/20/26 16:01	01/21/26 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*01/20/26 16:01*	*01/21/26 18:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 16:34	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP06 4'

Date Collected: 01/14/26 10:03
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-22

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		4.6		mg/Kg		01/20/26 12:32	01/28/26 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 12:32	01/28/26 11:10	1
Ethylbenzene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 11:10	1
Toluene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 11:10	1
Xylenes, Total	ND		0.091		mg/Kg		01/20/26 12:32	01/28/26 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:10*	*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		9.6		mg/Kg		01/20/26 16:01	01/21/26 18:41	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*124*		*62 - 134*	*01/20/26 16:01*	*01/21/26 18:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 16:44	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP06 8'

Date Collected: 01/14/26 10:37
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-23

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		01/20/26 12:32	01/28/26 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 12:32	01/28/26 11:34	1
Ethylbenzene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 11:34	1
Toluene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 11:34	1
Xylenes, Total	ND		0.10		mg/Kg		01/20/26 12:32	01/28/26 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/20/26 16:01	01/21/26 18:53	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/20/26 16:01	01/21/26 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/20/26 16:01*	*01/21/26 18:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 16:54	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP06 12'

Date Collected: 01/14/26 10:46
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-24

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		4.6		mg/Kg		01/20/26 12:32	01/28/26 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 12:32	01/28/26 11:58	1
Ethylbenzene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 11:58	1
Toluene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 11:58	1
Xylenes, Total	ND		0.092		mg/Kg		01/20/26 12:32	01/28/26 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*15 - 150*	*01/20/26 12:32*	*01/28/26 11:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		01/20/26 16:01	01/21/26 19:05	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/20/26 16:01	01/21/26 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*81*		*62 - 134*	*01/20/26 16:01*	*01/21/26 19:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		01/20/26 15:15	01/21/26 17:05	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP07 0'
Date Collected: 01/14/26 09:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-25
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		01/20/26 12:32	01/28/26 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 12:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 12:32	01/28/26 12:22	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 12:22	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 12:22	1
Xylenes, Total	ND		0.093		mg/Kg		01/20/26 12:32	01/28/26 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*	*01/20/26 12:32*	*01/28/26 12:22*	*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		01/20/26 16:01	01/21/26 19:16	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/20/26 16:01*	*01/21/26 19:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78**		50		mg/Kg		01/20/26 15:15	01/21/26 17:15	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP07 4'
Date Collected: 01/14/26 11:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-26
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		01/20/26 12:32	01/28/26 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 12:32*	*01/28/26 12:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 12:46	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 12:46	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 12:46	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 12:32	01/28/26 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*01/20/26 12:32*	*01/28/26 12:46*	*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		01/20/26 16:01	01/21/26 19:40	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/20/26 16:01	01/21/26 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*01/20/26 16:01*	*01/21/26 19:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 17:25	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP07 8'

Date Collected: 01/14/26 11:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-27

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		01/20/26 12:32	01/28/26 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 13:09	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 13:09	1
Toluene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 13:09	1
Xylenes, Total	ND		0.097		mg/Kg		01/20/26 12:32	01/28/26 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		01/20/26 16:01	01/21/26 19:51	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 16:01	01/21/26 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*147*	*S1+*	*62 - 134*	*01/20/26 16:01*	*01/21/26 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 17:36	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP07 12'

Date Collected: 01/14/26 11:52
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-28

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		01/20/26 12:32	01/28/26 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 13:33	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 13:33	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 13:33	1
Xylenes, Total	ND		0.095		mg/Kg		01/20/26 12:32	01/28/26 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:33*	*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		01/20/26 16:01	01/21/26 20:03	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		01/20/26 16:01	01/21/26 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*01/20/26 16:01*	*01/21/26 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 17:46	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP08 0'
Date Collected: 01/14/26 13:06
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-29
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		01/20/26 12:32	01/28/26 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 13:57	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 13:57	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 13:57	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 12:32	01/28/26 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/20/26 12:32*	*01/28/26 13:57*	*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		01/20/26 16:01	01/21/26 20:15	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 16:01	01/21/26 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/20/26 16:01*	*01/21/26 20:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		50		mg/Kg		01/20/26 15:15	01/21/26 16:42	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP08 4'
Date Collected: 01/14/26 13:15
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-30
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		01/20/26 12:32	01/28/26 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 150*	*01/20/26 12:32*	*01/28/26 14:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 12:32	01/28/26 14:45	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 14:45	1
Toluene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 14:45	1
Xylenes, Total	ND		0.098		mg/Kg		01/20/26 12:32	01/28/26 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 12:32*	*01/28/26 14:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		01/20/26 16:01	01/21/26 20:26	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 16:01	01/21/26 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*01/20/26 16:01*	*01/21/26 20:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**		50		mg/Kg		01/20/26 15:15	01/21/26 17:37	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP08 8'

Date Collected: 01/14/26 13:27
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-31

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		01/20/26 12:32	01/28/26 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 15:09	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 15:09	1
Toluene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 15:09	1
Xylenes, Total	ND		0.098		mg/Kg		01/20/26 12:32	01/28/26 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		01/20/26 16:01	01/21/26 21:01	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 16:01	01/21/26 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*01/20/26 16:01*	*01/21/26 21:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9300**		100		mg/Kg		01/20/26 15:15	01/23/26 16:28	20

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP08 16'

Date Collected: 01/14/26 13:44
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-32

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		01/20/26 12:32	01/28/26 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 15:33	1
Ethylbenzene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 15:33	1
Toluene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 15:33	1
Xylenes, Total	ND		0.096		mg/Kg		01/20/26 12:32	01/28/26 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:33*	*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		01/20/26 16:01	01/21/26 21:13	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*01/20/26 16:01*	*01/21/26 21:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7400**		50		mg/Kg		01/20/26 15:15	01/21/26 17:58	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 0'
Date Collected: 01/14/26 14:01
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-33
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		4.6		mg/Kg		01/20/26 12:32	01/28/26 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 12:32	01/28/26 15:58	1
Ethylbenzene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 15:58	1
Toluene	ND		0.046		mg/Kg		01/20/26 12:32	01/28/26 15:58	1
Xylenes, Total	ND		0.092		mg/Kg		01/20/26 12:32	01/28/26 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 12:32*	*01/28/26 15:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		01/20/26 16:01	01/21/26 21:25	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/20/26 16:01	01/21/26 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*172*	*S1+*	*62 - 134*	*01/20/26 16:01*	*01/21/26 21:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 18:09	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 4'

Date Collected: 01/14/26 14:18
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-34

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		01/20/26 12:32	01/28/26 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*01/20/26 12:32*	*01/28/26 16:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 16:22	1
Ethylbenzene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 16:22	1
Toluene	ND		0.048		mg/Kg		01/20/26 12:32	01/28/26 16:22	1
Xylenes, Total	ND		0.096		mg/Kg		01/20/26 12:32	01/28/26 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/20/26 12:32*	*01/28/26 16:22*	*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		01/20/26 16:01	01/21/26 21:48	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*01/20/26 16:01*	*01/21/26 21:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 18:20	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 8'

Date Collected: 01/14/26 14:26
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-35

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		01/20/26 12:32	01/28/26 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 12:32*	*01/28/26 16:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 16:46	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 16:46	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 16:46	1
Xylenes, Total	ND		0.095		mg/Kg		01/20/26 12:32	01/28/26 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 16:46*	*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		01/20/26 16:01	01/21/26 21:59	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/20/26 16:01	01/21/26 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*01/20/26 16:01*	*01/21/26 21:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 18:31	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 12'

Date Collected: 01/14/26 14:44
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-36

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		01/20/26 12:32	01/28/26 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*01/20/26 12:32*	*01/28/26 17:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 12:32	01/28/26 17:10	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 17:10	1
Toluene	ND		0.049		mg/Kg		01/20/26 12:32	01/28/26 17:10	1
Xylenes, Total	ND		0.098		mg/Kg		01/20/26 12:32	01/28/26 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/20/26 12:32*	*01/28/26 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		9.5		mg/Kg		01/20/26 16:01	01/21/26 22:11	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*01/20/26 16:01*	*01/21/26 22:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 18:42	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP10 0'

Date Collected: 01/15/26 11:33
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-37

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		01/20/26 12:32	01/28/26 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 12:32*	*01/28/26 17:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 12:32	01/28/26 17:34	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 17:34	1
Toluene	ND		0.047		mg/Kg		01/20/26 12:32	01/28/26 17:34	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 12:32	01/28/26 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*15 - 150*	*01/20/26 12:32*	*01/28/26 17:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		01/20/26 16:01	01/21/26 22:22	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 16:01	01/21/26 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*01/20/26 16:01*	*01/21/26 22:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 15:15	01/21/26 18:53	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP10 4'

Date Collected: 01/15/26 11:46
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-38

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		01/20/26 09:30	01/27/26 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 09:30*	*01/27/26 01:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 09:30	01/27/26 01:14	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 01:14	1
Toluene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 01:14	1
Xylenes, Total	ND		0.097		mg/Kg		01/20/26 09:30	01/27/26 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 09:30*	*01/27/26 01:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		01/20/26 13:14	01/20/26 16:29	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 13:14	01/20/26 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*01/20/26 13:14*	*01/20/26 16:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49		mg/Kg		01/20/26 14:21	01/20/26 23:11	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP10 8'

Date Collected: 01/15/26 11:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-39

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		01/20/26 09:30	01/27/26 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 09:30*	*01/27/26 02:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 09:30	01/27/26 02:19	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 02:19	1
Toluene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 02:19	1
Xylenes, Total	ND		0.099		mg/Kg		01/20/26 09:30	01/27/26 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 09:30*	*01/27/26 02:19*	*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		01/20/26 13:14	01/20/26 16:53	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 13:14	01/20/26 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*01/20/26 13:14*	*01/20/26 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/20/26 14:21	01/20/26 23:22	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP10 12'

Date Collected: 01/15/26 12:20
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-40

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		01/20/26 09:30	01/27/26 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 09:30*	*01/27/26 03:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 09:30	01/27/26 03:23	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 03:23	1
Toluene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 03:23	1
Xylenes, Total	ND		0.099		mg/Kg		01/20/26 09:30	01/27/26 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 09:30*	*01/27/26 03:23*	*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		01/20/26 13:14	01/20/26 17:16	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/20/26 13:14	01/20/26 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*84*		*62 - 134*	*01/20/26 13:14*	*01/20/26 17:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		51		mg/Kg		01/20/26 14:21	01/20/26 23:32	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP11 0'
Date Collected: 01/15/26 10:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-41
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		01/20/26 09:30	01/27/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 09:30*	*01/27/26 03:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 09:30	01/27/26 03:45	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 03:45	1
Toluene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 03:45	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 09:30	01/27/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 09:30*	*01/27/26 03:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		01/20/26 13:14	01/20/26 17:39	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/20/26 13:14	01/20/26 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/20/26 13:14*	*01/20/26 17:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	50		mg/Kg		01/21/26 09:00	01/21/26 12:36	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP11 4'

Date Collected: 01/15/26 10:50
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-42

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		01/20/26 09:30	01/27/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 09:30	01/27/26 04:06	1
Ethylbenzene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 04:06	1
Toluene	ND		0.049		mg/Kg		01/20/26 09:30	01/27/26 04:06	1
Xylenes, Total	ND		0.097		mg/Kg		01/20/26 09:30	01/27/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:06*	*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		01/20/26 13:14	01/20/26 18:03	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		01/20/26 13:14	01/20/26 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/20/26 13:14*	*01/20/26 18:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/21/26 09:00	01/21/26 13:07	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP11 8'

Date Collected: 01/15/26 10:57
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-43

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		01/20/26 09:30	01/27/26 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		01/20/26 09:30	01/27/26 04:28	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 04:28	1
Toluene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 04:28	1
Xylenes, Total	ND		0.095		mg/Kg		01/20/26 09:30	01/27/26 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:28*	*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		01/20/26 13:14	01/20/26 18:26	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 13:14	01/20/26 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/20/26 13:14*	*01/20/26 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/21/26 09:00	01/21/26 13:38	10

Client Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP11 12'

Date Collected: 01/15/26 11:08
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-44

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		01/20/26 09:30	01/27/26 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		01/20/26 09:30	01/27/26 04:49	1
Ethylbenzene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 04:49	1
Toluene	ND		0.047		mg/Kg		01/20/26 09:30	01/27/26 04:49	1
Xylenes, Total	ND		0.094		mg/Kg		01/20/26 09:30	01/27/26 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*	*01/20/26 09:30*	*01/27/26 04:49*	*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		9.6		mg/Kg		01/20/26 13:14	01/20/26 18:49	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		01/20/26 13:14	01/20/26 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*01/20/26 13:14*	*01/20/26 18:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		01/21/26 09:00	01/21/26 14:09	10

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: MB 885-41546/1-A
Matrix: Solid
Analysis Batch: 41655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41546

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		01/19/26 12:33	01/20/26 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*15 - 150*	*01/19/26 12:33*	*01/20/26 23:05*	*1*

Lab Sample ID: LCS 885-41546/2-A
Matrix: Solid
Analysis Batch: 41655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41546

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	23.7		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*201*		*15 - 150*

Lab Sample ID: MB 885-41589/1-A
Matrix: Solid
Analysis Batch: 42017

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41589

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		01/20/26 09:30	01/27/26 00:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*15 - 150*	*01/20/26 09:30*	*01/27/26 00:52*	*1*

Lab Sample ID: LCS 885-41589/2-A
Matrix: Solid
Analysis Batch: 42017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41589

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	20.7		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*204*		*15 - 150*

Lab Sample ID: 885-41550-38 MS
Matrix: Solid
Analysis Batch: 42017

Client Sample ID: TP10 4'
Prep Type: Total/NA
Prep Batch: 41589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.4	19.2		mg/Kg		79	70 - 130		

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: 885-41550-38 MS
Matrix: Solid
Analysis Batch: 42017

Client Sample ID: TP10 4'
Prep Type: Total/NA
Prep Batch: 41589

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	202		15 - 150

Lab Sample ID: 885-41550-38 MSD
Matrix: Solid
Analysis Batch: 42017

Client Sample ID: TP10 4'
Prep Type: Total/NA
Prep Batch: 41589

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		24.4	19.7		mg/Kg		81	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	207		15 - 150

Lab Sample ID: MB 885-41622/1-A
Matrix: Solid
Analysis Batch: 42068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41622

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		01/20/26 12:32	01/28/26 04:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 150	01/20/26 12:32	01/28/26 04:49	1

Lab Sample ID: LCS 885-41622/2-A
Matrix: Solid
Analysis Batch: 42068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41622

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	17.5		mg/Kg		70	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	170		15 - 150

Lab Sample ID: 885-41550-18 MS
Matrix: Solid
Analysis Batch: 42068

Client Sample ID: TP05 8'
Prep Type: Total/NA
Prep Batch: 41622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		23.9	16.5	F1	mg/Kg		69	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	163		15 - 150

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: 885-41550-18 MSD
Matrix: Solid
Analysis Batch: 42068

Client Sample ID: TP05 8'
Prep Type: Total/NA
Prep Batch: 41622

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		23.7	17.5		mg/Kg		74	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*167*		*15 - 150*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-41546/1-A
Matrix: Solid
Analysis Batch: 41656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41546

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		01/19/26 12:33	01/20/26 23:05	1
Ethylbenzene	ND		0.050	mg/Kg		01/19/26 12:33	01/20/26 23:05	1
Toluene	ND		0.050	mg/Kg		01/19/26 12:33	01/20/26 23:05	1
Xylenes, Total	ND		0.10	mg/Kg		01/19/26 12:33	01/20/26 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*15 - 150*	*01/19/26 12:33*	*01/20/26 23:05*	*1*

Lab Sample ID: LCS 885-41546/3-A
Matrix: Solid
Analysis Batch: 41656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.935		mg/Kg		93	70 - 130
Ethylbenzene	1.00	0.939		mg/Kg		94	70 - 130
Toluene	1.00	0.928		mg/Kg		93	70 - 130
m,p-Xylene	2.00	1.83		mg/Kg		92	70 - 130
o-Xylene	1.00	0.936		mg/Kg		94	70 - 130
Xylenes, Total	3.00	2.77		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*15 - 150*

Lab Sample ID: MB 885-41589/1-A
Matrix: Solid
Analysis Batch: 42018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41589

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		01/20/26 09:30	01/27/26 00:52	1
Ethylbenzene	ND		0.050	mg/Kg		01/20/26 09:30	01/27/26 00:52	1
Toluene	ND		0.050	mg/Kg		01/20/26 09:30	01/27/26 00:52	1
Xylenes, Total	ND		0.10	mg/Kg		01/20/26 09:30	01/27/26 00:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 150*	*01/20/26 09:30*	*01/27/26 00:52*	*1*

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-41589/3-A
Matrix: Solid
Analysis Batch: 42018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41589

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.927		mg/Kg		93	70 - 130		
Ethylbenzene			1.00	0.918		mg/Kg		92	70 - 130		
Toluene			1.00	0.933		mg/Kg		93	70 - 130		
m,p-Xylene			2.00	1.85		mg/Kg		93	70 - 130		
o-Xylene			1.00	0.909		mg/Kg		91	70 - 130		
Xylenes, Total			3.00	2.76		mg/Kg		92	70 - 130		

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

Lab Sample ID: 885-41550-39 MS
Matrix: Solid
Analysis Batch: 42018

Client Sample ID: TP10 8'
Prep Type: Total/NA
Prep Batch: 41589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.984	0.893		mg/Kg		91	70 - 130		
Ethylbenzene	ND		0.984	0.886		mg/Kg		90	70 - 130		
Toluene	ND		0.984	0.899		mg/Kg		91	70 - 130		
m,p-Xylene	ND		1.97	1.79		mg/Kg		91	70 - 130		
o-Xylene	ND		0.984	0.883		mg/Kg		90	70 - 130		
Xylenes, Total	ND		2.95	2.67		mg/Kg		90	70 - 130		

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

Lab Sample ID: 885-41550-39 MSD
Matrix: Solid
Analysis Batch: 42018

Client Sample ID: TP10 8'
Prep Type: Total/NA
Prep Batch: 41589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.981	0.890		mg/Kg		91	70 - 130	0	20
Ethylbenzene	ND		0.981	0.875		mg/Kg		89	70 - 130	1	20
Toluene	ND		0.981	0.893		mg/Kg		91	70 - 130	1	20
m,p-Xylene	ND		1.96	1.75		mg/Kg		89	70 - 130	2	20
o-Xylene	ND		0.981	0.875		mg/Kg		89	70 - 130	1	20
Xylenes, Total	ND		2.94	2.63		mg/Kg		89	70 - 130	1	20

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

Lab Sample ID: MB 885-41622/1-A
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41622

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/20/26 12:32	01/28/26 04:49	1
Ethylbenzene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 04:49	1
Toluene	ND		0.050		mg/Kg		01/20/26 12:32	01/28/26 04:49	1

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: MB 885-41622/1-A
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41622

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		01/20/26 12:32	01/28/26 04:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*15 - 150*	*01/20/26 12:32*	*01/28/26 04:49*	*1*

Lab Sample ID: LCS 885-41622/3-A
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41622

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.893		mg/Kg		89	70 - 130		
Ethylbenzene			1.00	0.885		mg/Kg		89	70 - 130		
Toluene			1.00	0.910		mg/Kg		91	70 - 130		
m,p-Xylene			2.00	1.79		mg/Kg		90	70 - 130		
o-Xylene			1.00	0.871		mg/Kg		87	70 - 130		
Xylenes, Total			3.00	2.66		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*15 - 150*

Lab Sample ID: 885-41550-19 MS
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: TP05 12'
Prep Type: Total/NA
Prep Batch: 41622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.987	0.806		mg/Kg		82	70 - 130		
Ethylbenzene	ND		0.987	0.811		mg/Kg		82	70 - 130		
Toluene	ND		0.987	0.826		mg/Kg		84	70 - 130		
m,p-Xylene	ND		1.97	1.66		mg/Kg		84	70 - 130		
o-Xylene	ND		0.987	0.802		mg/Kg		81	70 - 130		
Xylenes, Total	ND		2.96	2.47		mg/Kg		83	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*15 - 150*

Lab Sample ID: 885-41550-19 MSD
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: TP05 12'
Prep Type: Total/NA
Prep Batch: 41622

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.986	0.826		mg/Kg		84	70 - 130	2	20
Ethylbenzene	ND		0.986	0.830		mg/Kg		84	70 - 130	2	20
Toluene	ND		0.986	0.843		mg/Kg		85	70 - 130	2	20
m,p-Xylene	ND		1.97	1.69		mg/Kg		86	70 - 130	1	20
o-Xylene	ND		0.986	0.807		mg/Kg		82	70 - 130	1	20
Xylenes, Total	ND		2.96	2.49		mg/Kg		84	70 - 130	1	20

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: 885-41550-19 MSD
Matrix: Solid
Analysis Batch: 42069

Client Sample ID: TP05 12'
Prep Type: Total/NA
Prep Batch: 41622

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

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

Lab Sample ID: MB 885-41559/1-A
Matrix: Solid
Analysis Batch: 41519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41559

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		01/19/26 15:33	01/19/26 17:30	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		01/19/26 15:33	01/19/26 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*01/19/26 15:33*	*01/19/26 17:30*	*1*

Lab Sample ID: LCS 885-41559/2-A
Matrix: Solid
Analysis Batch: 41519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	57.3		mg/Kg		115	51 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*

Lab Sample ID: 885-41550-17 MS
Matrix: Solid
Analysis Batch: 41519

Client Sample ID: TP05 4'
Prep Type: Total/NA
Prep Batch: 41559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.8	56.4		mg/Kg		115	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*

Lab Sample ID: 885-41550-17 MSD
Matrix: Solid
Analysis Batch: 41519

Client Sample ID: TP05 4'
Prep Type: Total/NA
Prep Batch: 41559

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		49.0	56.5		mg/Kg		115	44 - 136	0	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: MB 885-41628/1-A
Matrix: Solid
Analysis Batch: 41579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41628

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/20/26 13:14	01/20/26 15:43	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/20/26 13:14	01/20/26 15:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*	*01/20/26 13:14*	*01/20/26 15:43*	*1*

Lab Sample ID: LCS 885-41628/2-A
Matrix: Solid
Analysis Batch: 41579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41628

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	53.8		mg/Kg		108	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*83*		*62 - 134*

Lab Sample ID: MB 885-41652/1-A
Matrix: Solid
Analysis Batch: 41675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41652

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/20/26 16:01	01/21/26 17:31	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/20/26 16:01	01/21/26 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*133*		*62 - 134*	*01/20/26 16:01*	*01/21/26 17:31*	*1*

Lab Sample ID: LCS 885-41652/2-A
Matrix: Solid
Analysis Batch: 41675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41652

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	56.6		mg/Kg		113	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*132*		*62 - 134*

Lab Sample ID: 885-41550-30 MS
Matrix: Solid
Analysis Batch: 41675

Client Sample ID: TP08 4'
Prep Type: Total/NA
Prep Batch: 41652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.3	44.1		mg/Kg		93	44 - 136		

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

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

Lab Sample ID: 885-41550-30 MS
Matrix: Solid
Analysis Batch: 41675

Client Sample ID: TP08 4'
Prep Type: Total/NA
Prep Batch: 41652

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*

Lab Sample ID: 885-41550-30 MSD
Matrix: Solid
Analysis Batch: 41675

Client Sample ID: TP08 4'
Prep Type: Total/NA
Prep Batch: 41652

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		46.1	46.4		mg/Kg		101	44 - 136	5	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-41607/3
Matrix: Solid
Analysis Batch: 41607

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.524		mg/L		105	50 - 150

Lab Sample ID: MB 885-41642/1-A
Matrix: Solid
Analysis Batch: 41607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41642

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg		01/20/26 14:21	01/20/26 18:32	1

Lab Sample ID: LCS 885-41642/2-A
Matrix: Solid
Analysis Batch: 41607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.8	49.2		mg/Kg		99	90 - 110

Lab Sample ID: 885-41550-1 MS
Matrix: Solid
Analysis Batch: 41607

Client Sample ID: TP01 0'
Prep Type: Total/NA
Prep Batch: 41642

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		50.7	56.5		mg/Kg		NC	50 - 150

Lab Sample ID: 885-41550-1 MSD
Matrix: Solid
Analysis Batch: 41607

Client Sample ID: TP01 0'
Prep Type: Total/NA
Prep Batch: 41642

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		49.7	56.3		mg/Kg		NC	50 - 150	0	20

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-41646/1-A
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41646

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		01/20/26 15:15	01/21/26 15:11	1

Lab Sample ID: MB 885-41646/1-A
Matrix: Solid
Analysis Batch: 41689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41646

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		01/20/26 15:15	01/21/26 16:10	1

Lab Sample ID: LCS 885-41646/2-A
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41646

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.7	50.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCS 885-41646/2-A
Matrix: Solid
Analysis Batch: 41689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41646

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.7	50.7		mg/Kg		100	90 - 110		

Lab Sample ID: MB 885-41682/1-A
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41682

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		01/21/26 09:00	01/21/26 10:01	1

Lab Sample ID: LCS 885-41682/2-A
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41682

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			49.7	49.8		mg/Kg		100	90 - 110		

Lab Sample ID: 885-41550-41 MS
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: TP11 0'
Prep Type: Total/NA
Prep Batch: 41682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND	F1	50.7	81.1		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-41550-42 MS
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: TP11 4'
Prep Type: Total/NA
Prep Batch: 41682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		50.7	63.2		mg/Kg		NC	50 - 150		

QC Sample Results

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-41550-42 MSD
Matrix: Solid
Analysis Batch: 41684

Client Sample ID: TP11 4'
Prep Type: Total/NA
Prep Batch: 41682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		50.2	64.4		mg/Kg		128	50 - 150	2	20

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC VOA

Prep Batch: 41546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	5030C	
885-41550-2	TP01 4'	Total/NA	Solid	5030C	
885-41550-3	TP01 8'	Total/NA	Solid	5030C	
885-41550-4	TP01 16'	Total/NA	Solid	5030C	
885-41550-5	TP02 0'	Total/NA	Solid	5030C	
885-41550-6	TP02 4'	Total/NA	Solid	5030C	
885-41550-7	TP02 8'	Total/NA	Solid	5030C	
885-41550-8	TP03 0'	Total/NA	Solid	5030C	
885-41550-9	TP03 4'	Total/NA	Solid	5030C	
885-41550-10	TP03 8'	Total/NA	Solid	5030C	
885-41550-11	TP04 0'	Total/NA	Solid	5030C	
885-41550-12	TP04 4'	Total/NA	Solid	5030C	
885-41550-13	TP04 8'	Total/NA	Solid	5030C	
885-41550-14	TP04 12'	Total/NA	Solid	5030C	
885-41550-15	TP04 19'	Total/NA	Solid	5030C	
885-41550-16	TP05 0'	Total/NA	Solid	5030C	
885-41550-17	TP05 4'	Total/NA	Solid	5030C	
MB 885-41546/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-41546/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-41546/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 41589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-38	TP10 4'	Total/NA	Solid	5030C	
885-41550-39	TP10 8'	Total/NA	Solid	5030C	
885-41550-40	TP10 12'	Total/NA	Solid	5030C	
885-41550-41	TP11 0'	Total/NA	Solid	5030C	
885-41550-42	TP11 4'	Total/NA	Solid	5030C	
885-41550-43	TP11 8'	Total/NA	Solid	5030C	
885-41550-44	TP11 12'	Total/NA	Solid	5030C	
MB 885-41589/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-41589/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-41589/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-41550-38 MS	TP10 4'	Total/NA	Solid	5030C	
885-41550-38 MSD	TP10 4'	Total/NA	Solid	5030C	
885-41550-39 MS	TP10 8'	Total/NA	Solid	5030C	
885-41550-39 MSD	TP10 8'	Total/NA	Solid	5030C	

Prep Batch: 41622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	5030C	
885-41550-19	TP05 12'	Total/NA	Solid	5030C	
885-41550-20	TP05 16'	Total/NA	Solid	5030C	
885-41550-21	TP06 0'	Total/NA	Solid	5030C	
885-41550-22	TP06 4'	Total/NA	Solid	5030C	
885-41550-23	TP06 8'	Total/NA	Solid	5030C	
885-41550-24	TP06 12'	Total/NA	Solid	5030C	
885-41550-25	TP07 0'	Total/NA	Solid	5030C	
885-41550-26	TP07 4'	Total/NA	Solid	5030C	
885-41550-27	TP07 8'	Total/NA	Solid	5030C	
885-41550-28	TP07 12'	Total/NA	Solid	5030C	

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC VOA (Continued)

Prep Batch: 41622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-29	TP08 0'	Total/NA	Solid	5030C	
885-41550-30	TP08 4'	Total/NA	Solid	5030C	
885-41550-31	TP08 8'	Total/NA	Solid	5030C	
885-41550-32	TP08 16'	Total/NA	Solid	5030C	
885-41550-33	TP09 0'	Total/NA	Solid	5030C	
885-41550-34	TP09 4'	Total/NA	Solid	5030C	
885-41550-35	TP09 8'	Total/NA	Solid	5030C	
885-41550-36	TP09 12'	Total/NA	Solid	5030C	
885-41550-37	TP10 0'	Total/NA	Solid	5030C	
MB 885-41622/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-41622/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-41622/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-41550-18 MS	TP05 8'	Total/NA	Solid	5030C	
885-41550-18 MSD	TP05 8'	Total/NA	Solid	5030C	
885-41550-19 MS	TP05 12'	Total/NA	Solid	5030C	
885-41550-19 MSD	TP05 12'	Total/NA	Solid	5030C	

Analysis Batch: 41655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	8015M/D	41546
885-41550-2	TP01 4'	Total/NA	Solid	8015M/D	41546
885-41550-3	TP01 8'	Total/NA	Solid	8015M/D	41546
885-41550-4	TP01 16'	Total/NA	Solid	8015M/D	41546
885-41550-5	TP02 0'	Total/NA	Solid	8015M/D	41546
885-41550-6	TP02 4'	Total/NA	Solid	8015M/D	41546
885-41550-7	TP02 8'	Total/NA	Solid	8015M/D	41546
885-41550-8	TP03 0'	Total/NA	Solid	8015M/D	41546
885-41550-9	TP03 4'	Total/NA	Solid	8015M/D	41546
885-41550-10	TP03 8'	Total/NA	Solid	8015M/D	41546
885-41550-11	TP04 0'	Total/NA	Solid	8015M/D	41546
885-41550-12	TP04 4'	Total/NA	Solid	8015M/D	41546
885-41550-13	TP04 8'	Total/NA	Solid	8015M/D	41546
885-41550-14	TP04 12'	Total/NA	Solid	8015M/D	41546
885-41550-15	TP04 19'	Total/NA	Solid	8015M/D	41546
885-41550-16	TP05 0'	Total/NA	Solid	8015M/D	41546
885-41550-17	TP05 4'	Total/NA	Solid	8015M/D	41546
MB 885-41546/1-A	Method Blank	Total/NA	Solid	8015M/D	41546
LCS 885-41546/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41546

Analysis Batch: 41656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	8021B	41546
885-41550-2	TP01 4'	Total/NA	Solid	8021B	41546
885-41550-3	TP01 8'	Total/NA	Solid	8021B	41546
885-41550-4	TP01 16'	Total/NA	Solid	8021B	41546
885-41550-5	TP02 0'	Total/NA	Solid	8021B	41546
885-41550-6	TP02 4'	Total/NA	Solid	8021B	41546
885-41550-7	TP02 8'	Total/NA	Solid	8021B	41546
885-41550-8	TP03 0'	Total/NA	Solid	8021B	41546
885-41550-9	TP03 4'	Total/NA	Solid	8021B	41546
885-41550-10	TP03 8'	Total/NA	Solid	8021B	41546

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC VOA (Continued)

Analysis Batch: 41656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-11	TP04 0'	Total/NA	Solid	8021B	41546
885-41550-12	TP04 4'	Total/NA	Solid	8021B	41546
885-41550-13	TP04 8'	Total/NA	Solid	8021B	41546
885-41550-14	TP04 12'	Total/NA	Solid	8021B	41546
885-41550-15	TP04 19'	Total/NA	Solid	8021B	41546
885-41550-16	TP05 0'	Total/NA	Solid	8021B	41546
885-41550-17	TP05 4'	Total/NA	Solid	8021B	41546
MB 885-41546/1-A	Method Blank	Total/NA	Solid	8021B	41546
LCS 885-41546/3-A	Lab Control Sample	Total/NA	Solid	8021B	41546

Analysis Batch: 42017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-38	TP10 4'	Total/NA	Solid	8015M/D	41589
885-41550-39	TP10 8'	Total/NA	Solid	8015M/D	41589
885-41550-40	TP10 12'	Total/NA	Solid	8015M/D	41589
885-41550-41	TP11 0'	Total/NA	Solid	8015M/D	41589
885-41550-42	TP11 4'	Total/NA	Solid	8015M/D	41589
885-41550-43	TP11 8'	Total/NA	Solid	8015M/D	41589
885-41550-44	TP11 12'	Total/NA	Solid	8015M/D	41589
MB 885-41589/1-A	Method Blank	Total/NA	Solid	8015M/D	41589
LCS 885-41589/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41589
885-41550-38 MS	TP10 4'	Total/NA	Solid	8015M/D	41589
885-41550-38 MSD	TP10 4'	Total/NA	Solid	8015M/D	41589

Analysis Batch: 42018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-38	TP10 4'	Total/NA	Solid	8021B	41589
885-41550-39	TP10 8'	Total/NA	Solid	8021B	41589
885-41550-40	TP10 12'	Total/NA	Solid	8021B	41589
885-41550-41	TP11 0'	Total/NA	Solid	8021B	41589
885-41550-42	TP11 4'	Total/NA	Solid	8021B	41589
885-41550-43	TP11 8'	Total/NA	Solid	8021B	41589
885-41550-44	TP11 12'	Total/NA	Solid	8021B	41589
MB 885-41589/1-A	Method Blank	Total/NA	Solid	8021B	41589
LCS 885-41589/3-A	Lab Control Sample	Total/NA	Solid	8021B	41589
885-41550-39 MS	TP10 8'	Total/NA	Solid	8021B	41589
885-41550-39 MSD	TP10 8'	Total/NA	Solid	8021B	41589

Analysis Batch: 42068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	8015M/D	41622
885-41550-19	TP05 12'	Total/NA	Solid	8015M/D	41622
885-41550-20	TP05 16'	Total/NA	Solid	8015M/D	41622
MB 885-41622/1-A	Method Blank	Total/NA	Solid	8015M/D	41622
LCS 885-41622/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41622
885-41550-18 MS	TP05 8'	Total/NA	Solid	8015M/D	41622
885-41550-18 MSD	TP05 8'	Total/NA	Solid	8015M/D	41622

Analysis Batch: 42069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	8021B	41622

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC VOA (Continued)

Analysis Batch: 42069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-19	TP05 12'	Total/NA	Solid	8021B	41622
885-41550-20	TP05 16'	Total/NA	Solid	8021B	41622
MB 885-41622/1-A	Method Blank	Total/NA	Solid	8021B	41622
LCS 885-41622/3-A	Lab Control Sample	Total/NA	Solid	8021B	41622
885-41550-19 MS	TP05 12'	Total/NA	Solid	8021B	41622
885-41550-19 MSD	TP05 12'	Total/NA	Solid	8021B	41622

Analysis Batch: 42129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-21	TP06 0'	Total/NA	Solid	8021B	41622
885-41550-22	TP06 4'	Total/NA	Solid	8021B	41622
885-41550-23	TP06 8'	Total/NA	Solid	8021B	41622
885-41550-24	TP06 12'	Total/NA	Solid	8021B	41622
885-41550-25	TP07 0'	Total/NA	Solid	8021B	41622
885-41550-26	TP07 4'	Total/NA	Solid	8021B	41622
885-41550-27	TP07 8'	Total/NA	Solid	8021B	41622
885-41550-28	TP07 12'	Total/NA	Solid	8021B	41622
885-41550-29	TP08 0'	Total/NA	Solid	8021B	41622
885-41550-30	TP08 4'	Total/NA	Solid	8021B	41622
885-41550-31	TP08 8'	Total/NA	Solid	8021B	41622
885-41550-32	TP08 16'	Total/NA	Solid	8021B	41622
885-41550-33	TP09 0'	Total/NA	Solid	8021B	41622
885-41550-34	TP09 4'	Total/NA	Solid	8021B	41622
885-41550-35	TP09 8'	Total/NA	Solid	8021B	41622
885-41550-36	TP09 12'	Total/NA	Solid	8021B	41622
885-41550-37	TP10 0'	Total/NA	Solid	8021B	41622

Analysis Batch: 42130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-21	TP06 0'	Total/NA	Solid	8015M/D	41622
885-41550-22	TP06 4'	Total/NA	Solid	8015M/D	41622
885-41550-23	TP06 8'	Total/NA	Solid	8015M/D	41622
885-41550-24	TP06 12'	Total/NA	Solid	8015M/D	41622
885-41550-25	TP07 0'	Total/NA	Solid	8015M/D	41622
885-41550-26	TP07 4'	Total/NA	Solid	8015M/D	41622
885-41550-27	TP07 8'	Total/NA	Solid	8015M/D	41622
885-41550-28	TP07 12'	Total/NA	Solid	8015M/D	41622
885-41550-29	TP08 0'	Total/NA	Solid	8015M/D	41622
885-41550-30	TP08 4'	Total/NA	Solid	8015M/D	41622
885-41550-31	TP08 8'	Total/NA	Solid	8015M/D	41622
885-41550-32	TP08 16'	Total/NA	Solid	8015M/D	41622
885-41550-33	TP09 0'	Total/NA	Solid	8015M/D	41622
885-41550-34	TP09 4'	Total/NA	Solid	8015M/D	41622
885-41550-35	TP09 8'	Total/NA	Solid	8015M/D	41622
885-41550-36	TP09 12'	Total/NA	Solid	8015M/D	41622
885-41550-37	TP10 0'	Total/NA	Solid	8015M/D	41622

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC Semi VOA

Analysis Batch: 41519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	8015M/D	41559
885-41550-2	TP01 4'	Total/NA	Solid	8015M/D	41559
885-41550-3	TP01 8'	Total/NA	Solid	8015M/D	41559
885-41550-4	TP01 16'	Total/NA	Solid	8015M/D	41559
885-41550-5	TP02 0'	Total/NA	Solid	8015M/D	41559
885-41550-6	TP02 4'	Total/NA	Solid	8015M/D	41559
885-41550-7	TP02 8'	Total/NA	Solid	8015M/D	41559
885-41550-8	TP03 0'	Total/NA	Solid	8015M/D	41559
885-41550-9	TP03 4'	Total/NA	Solid	8015M/D	41559
885-41550-10	TP03 8'	Total/NA	Solid	8015M/D	41559
885-41550-11	TP04 0'	Total/NA	Solid	8015M/D	41559
885-41550-12	TP04 4'	Total/NA	Solid	8015M/D	41559
885-41550-13	TP04 8'	Total/NA	Solid	8015M/D	41559
885-41550-14	TP04 12'	Total/NA	Solid	8015M/D	41559
885-41550-15	TP04 19'	Total/NA	Solid	8015M/D	41559
885-41550-16	TP05 0'	Total/NA	Solid	8015M/D	41559
885-41550-17	TP05 4'	Total/NA	Solid	8015M/D	41559
MB 885-41559/1-A	Method Blank	Total/NA	Solid	8015M/D	41559
LCS 885-41559/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41559
885-41550-17 MS	TP05 4'	Total/NA	Solid	8015M/D	41559
885-41550-17 MSD	TP05 4'	Total/NA	Solid	8015M/D	41559

Prep Batch: 41559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	SHAKE	
885-41550-2	TP01 4'	Total/NA	Solid	SHAKE	
885-41550-3	TP01 8'	Total/NA	Solid	SHAKE	
885-41550-4	TP01 16'	Total/NA	Solid	SHAKE	
885-41550-5	TP02 0'	Total/NA	Solid	SHAKE	
885-41550-6	TP02 4'	Total/NA	Solid	SHAKE	
885-41550-7	TP02 8'	Total/NA	Solid	SHAKE	
885-41550-8	TP03 0'	Total/NA	Solid	SHAKE	
885-41550-9	TP03 4'	Total/NA	Solid	SHAKE	
885-41550-10	TP03 8'	Total/NA	Solid	SHAKE	
885-41550-11	TP04 0'	Total/NA	Solid	SHAKE	
885-41550-12	TP04 4'	Total/NA	Solid	SHAKE	
885-41550-13	TP04 8'	Total/NA	Solid	SHAKE	
885-41550-14	TP04 12'	Total/NA	Solid	SHAKE	
885-41550-15	TP04 19'	Total/NA	Solid	SHAKE	
885-41550-16	TP05 0'	Total/NA	Solid	SHAKE	
885-41550-17	TP05 4'	Total/NA	Solid	SHAKE	
MB 885-41559/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-41559/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-41550-17 MS	TP05 4'	Total/NA	Solid	SHAKE	
885-41550-17 MSD	TP05 4'	Total/NA	Solid	SHAKE	

Analysis Batch: 41579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-38	TP10 4'	Total/NA	Solid	8015M/D	41628
885-41550-39	TP10 8'	Total/NA	Solid	8015M/D	41628
885-41550-40	TP10 12'	Total/NA	Solid	8015M/D	41628

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC Semi VOA (Continued)

Analysis Batch: 41579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-41	TP11 0'	Total/NA	Solid	8015M/D	41628
885-41550-42	TP11 4'	Total/NA	Solid	8015M/D	41628
885-41550-43	TP11 8'	Total/NA	Solid	8015M/D	41628
885-41550-44	TP11 12'	Total/NA	Solid	8015M/D	41628
MB 885-41628/1-A	Method Blank	Total/NA	Solid	8015M/D	41628
LCS 885-41628/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41628

Prep Batch: 41628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-38	TP10 4'	Total/NA	Solid	SHAKE	
885-41550-39	TP10 8'	Total/NA	Solid	SHAKE	
885-41550-40	TP10 12'	Total/NA	Solid	SHAKE	
885-41550-41	TP11 0'	Total/NA	Solid	SHAKE	
885-41550-42	TP11 4'	Total/NA	Solid	SHAKE	
885-41550-43	TP11 8'	Total/NA	Solid	SHAKE	
885-41550-44	TP11 12'	Total/NA	Solid	SHAKE	
MB 885-41628/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-41628/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 41652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	SHAKE	
885-41550-19	TP05 12'	Total/NA	Solid	SHAKE	
885-41550-20	TP05 16'	Total/NA	Solid	SHAKE	
885-41550-21	TP06 0'	Total/NA	Solid	SHAKE	
885-41550-22	TP06 4'	Total/NA	Solid	SHAKE	
885-41550-23	TP06 8'	Total/NA	Solid	SHAKE	
885-41550-24	TP06 12'	Total/NA	Solid	SHAKE	
885-41550-25	TP07 0'	Total/NA	Solid	SHAKE	
885-41550-26	TP07 4'	Total/NA	Solid	SHAKE	
885-41550-27	TP07 8'	Total/NA	Solid	SHAKE	
885-41550-28	TP07 12'	Total/NA	Solid	SHAKE	
885-41550-29	TP08 0'	Total/NA	Solid	SHAKE	
885-41550-30	TP08 4'	Total/NA	Solid	SHAKE	
885-41550-31	TP08 8'	Total/NA	Solid	SHAKE	
885-41550-32	TP08 16'	Total/NA	Solid	SHAKE	
885-41550-33	TP09 0'	Total/NA	Solid	SHAKE	
885-41550-34	TP09 4'	Total/NA	Solid	SHAKE	
885-41550-35	TP09 8'	Total/NA	Solid	SHAKE	
885-41550-36	TP09 12'	Total/NA	Solid	SHAKE	
885-41550-37	TP10 0'	Total/NA	Solid	SHAKE	
MB 885-41652/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-41652/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-41550-30 MS	TP08 4'	Total/NA	Solid	SHAKE	
885-41550-30 MSD	TP08 4'	Total/NA	Solid	SHAKE	

Analysis Batch: 41675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	8015M/D	41652
885-41550-19	TP05 12'	Total/NA	Solid	8015M/D	41652
885-41550-20	TP05 16'	Total/NA	Solid	8015M/D	41652

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

GC Semi VOA (Continued)

Analysis Batch: 41675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-21	TP06 0'	Total/NA	Solid	8015M/D	41652
885-41550-22	TP06 4'	Total/NA	Solid	8015M/D	41652
885-41550-23	TP06 8'	Total/NA	Solid	8015M/D	41652
885-41550-24	TP06 12'	Total/NA	Solid	8015M/D	41652
885-41550-25	TP07 0'	Total/NA	Solid	8015M/D	41652
885-41550-26	TP07 4'	Total/NA	Solid	8015M/D	41652
885-41550-27	TP07 8'	Total/NA	Solid	8015M/D	41652
885-41550-28	TP07 12'	Total/NA	Solid	8015M/D	41652
885-41550-29	TP08 0'	Total/NA	Solid	8015M/D	41652
885-41550-30	TP08 4'	Total/NA	Solid	8015M/D	41652
885-41550-31	TP08 8'	Total/NA	Solid	8015M/D	41652
885-41550-32	TP08 16'	Total/NA	Solid	8015M/D	41652
885-41550-33	TP09 0'	Total/NA	Solid	8015M/D	41652
885-41550-34	TP09 4'	Total/NA	Solid	8015M/D	41652
885-41550-35	TP09 8'	Total/NA	Solid	8015M/D	41652
885-41550-36	TP09 12'	Total/NA	Solid	8015M/D	41652
885-41550-37	TP10 0'	Total/NA	Solid	8015M/D	41652
MB 885-41652/1-A	Method Blank	Total/NA	Solid	8015M/D	41652
LCS 885-41652/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	41652
885-41550-30 MS	TP08 4'	Total/NA	Solid	8015M/D	41652
885-41550-30 MSD	TP08 4'	Total/NA	Solid	8015M/D	41652

HPLC/IC

Analysis Batch: 41607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	300.0	41642
885-41550-2	TP01 4'	Total/NA	Solid	300.0	41642
885-41550-4	TP01 16'	Total/NA	Solid	300.0	41642
885-41550-5	TP02 0'	Total/NA	Solid	300.0	41642
885-41550-6	TP02 4'	Total/NA	Solid	300.0	41642
885-41550-7	TP02 8'	Total/NA	Solid	300.0	41642
885-41550-8	TP03 0'	Total/NA	Solid	300.0	41642
885-41550-9	TP03 4'	Total/NA	Solid	300.0	41642
885-41550-10	TP03 8'	Total/NA	Solid	300.0	41642
885-41550-11	TP04 0'	Total/NA	Solid	300.0	41642
885-41550-12	TP04 4'	Total/NA	Solid	300.0	41642
885-41550-15	TP04 19'	Total/NA	Solid	300.0	41642
885-41550-16	TP05 0'	Total/NA	Solid	300.0	41642
885-41550-17	TP05 4'	Total/NA	Solid	300.0	41642
885-41550-38	TP10 4'	Total/NA	Solid	300.0	41642
885-41550-39	TP10 8'	Total/NA	Solid	300.0	41642
885-41550-40	TP10 12'	Total/NA	Solid	300.0	41642
MB 885-41642/1-A	Method Blank	Total/NA	Solid	300.0	41642
LCS 885-41642/2-A	Lab Control Sample	Total/NA	Solid	300.0	41642
MRL 885-41607/3	Lab Control Sample	Total/NA	Solid	300.0	
885-41550-1 MS	TP01 0'	Total/NA	Solid	300.0	41642
885-41550-1 MSD	TP01 0'	Total/NA	Solid	300.0	41642

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

HPLC/IC

Prep Batch: 41642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-1	TP01 0'	Total/NA	Solid	300_Prep	
885-41550-2	TP01 4'	Total/NA	Solid	300_Prep	
885-41550-3	TP01 8'	Total/NA	Solid	300_Prep	
885-41550-4	TP01 16'	Total/NA	Solid	300_Prep	
885-41550-5	TP02 0'	Total/NA	Solid	300_Prep	
885-41550-6	TP02 4'	Total/NA	Solid	300_Prep	
885-41550-7	TP02 8'	Total/NA	Solid	300_Prep	
885-41550-8	TP03 0'	Total/NA	Solid	300_Prep	
885-41550-9	TP03 4'	Total/NA	Solid	300_Prep	
885-41550-10	TP03 8'	Total/NA	Solid	300_Prep	
885-41550-11	TP04 0'	Total/NA	Solid	300_Prep	
885-41550-12	TP04 4'	Total/NA	Solid	300_Prep	
885-41550-13	TP04 8'	Total/NA	Solid	300_Prep	
885-41550-14	TP04 12'	Total/NA	Solid	300_Prep	
885-41550-15	TP04 19'	Total/NA	Solid	300_Prep	
885-41550-16	TP05 0'	Total/NA	Solid	300_Prep	
885-41550-17	TP05 4'	Total/NA	Solid	300_Prep	
885-41550-38	TP10 4'	Total/NA	Solid	300_Prep	
885-41550-39	TP10 8'	Total/NA	Solid	300_Prep	
885-41550-40	TP10 12'	Total/NA	Solid	300_Prep	
MB 885-41642/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-41642/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-41550-1 MS	TP01 0'	Total/NA	Solid	300_Prep	
885-41550-1 MSD	TP01 0'	Total/NA	Solid	300_Prep	

Prep Batch: 41646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-18	TP05 8'	Total/NA	Solid	300_Prep	
885-41550-19	TP05 12'	Total/NA	Solid	300_Prep	
885-41550-20	TP05 16'	Total/NA	Solid	300_Prep	
885-41550-21	TP06 0'	Total/NA	Solid	300_Prep	
885-41550-22	TP06 4'	Total/NA	Solid	300_Prep	
885-41550-23	TP06 8'	Total/NA	Solid	300_Prep	
885-41550-24	TP06 12'	Total/NA	Solid	300_Prep	
885-41550-25	TP07 0'	Total/NA	Solid	300_Prep	
885-41550-26	TP07 4'	Total/NA	Solid	300_Prep	
885-41550-27	TP07 8'	Total/NA	Solid	300_Prep	
885-41550-28	TP07 12'	Total/NA	Solid	300_Prep	
885-41550-29	TP08 0'	Total/NA	Solid	300_Prep	
885-41550-30	TP08 4'	Total/NA	Solid	300_Prep	
885-41550-31	TP08 8'	Total/NA	Solid	300_Prep	
885-41550-32	TP08 16'	Total/NA	Solid	300_Prep	
885-41550-33	TP09 0'	Total/NA	Solid	300_Prep	
885-41550-34	TP09 4'	Total/NA	Solid	300_Prep	
885-41550-35	TP09 8'	Total/NA	Solid	300_Prep	
885-41550-36	TP09 12'	Total/NA	Solid	300_Prep	
885-41550-37	TP10 0'	Total/NA	Solid	300_Prep	
MB 885-41646/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-41646/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

HPLC/IC

Prep Batch: 41682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-41	TP11 0'	Total/NA	Solid	300_Prep	
885-41550-42	TP11 4'	Total/NA	Solid	300_Prep	
885-41550-43	TP11 8'	Total/NA	Solid	300_Prep	
885-41550-44	TP11 12'	Total/NA	Solid	300_Prep	
MB 885-41682/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-41682/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-41550-41 MS	TP11 0'	Total/NA	Solid	300_Prep	
885-41550-42 MS	TP11 4'	Total/NA	Solid	300_Prep	
885-41550-42 MSD	TP11 4'	Total/NA	Solid	300_Prep	

Analysis Batch: 41684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-3	TP01 8'	Total/NA	Solid	300.0	41642
885-41550-13	TP04 8'	Total/NA	Solid	300.0	41642
885-41550-14	TP04 12'	Total/NA	Solid	300.0	41642
885-41550-18	TP05 8'	Total/NA	Solid	300.0	41646
885-41550-20	TP05 16'	Total/NA	Solid	300.0	41646
885-41550-21	TP06 0'	Total/NA	Solid	300.0	41646
885-41550-22	TP06 4'	Total/NA	Solid	300.0	41646
885-41550-23	TP06 8'	Total/NA	Solid	300.0	41646
885-41550-24	TP06 12'	Total/NA	Solid	300.0	41646
885-41550-25	TP07 0'	Total/NA	Solid	300.0	41646
885-41550-26	TP07 4'	Total/NA	Solid	300.0	41646
885-41550-27	TP07 8'	Total/NA	Solid	300.0	41646
885-41550-28	TP07 12'	Total/NA	Solid	300.0	41646
885-41550-41	TP11 0'	Total/NA	Solid	300.0	41682
885-41550-42	TP11 4'	Total/NA	Solid	300.0	41682
885-41550-43	TP11 8'	Total/NA	Solid	300.0	41682
885-41550-44	TP11 12'	Total/NA	Solid	300.0	41682
MB 885-41646/1-A	Method Blank	Total/NA	Solid	300.0	41646
MB 885-41682/1-A	Method Blank	Total/NA	Solid	300.0	41682
LCS 885-41646/2-A	Lab Control Sample	Total/NA	Solid	300.0	41646
LCS 885-41682/2-A	Lab Control Sample	Total/NA	Solid	300.0	41682
885-41550-41 MS	TP11 0'	Total/NA	Solid	300.0	41682
885-41550-42 MS	TP11 4'	Total/NA	Solid	300.0	41682
885-41550-42 MSD	TP11 4'	Total/NA	Solid	300.0	41682

Analysis Batch: 41689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-19	TP05 12'	Total/NA	Solid	300.0	41646
885-41550-29	TP08 0'	Total/NA	Solid	300.0	41646
885-41550-30	TP08 4'	Total/NA	Solid	300.0	41646
885-41550-32	TP08 16'	Total/NA	Solid	300.0	41646
885-41550-33	TP09 0'	Total/NA	Solid	300.0	41646
885-41550-34	TP09 4'	Total/NA	Solid	300.0	41646
885-41550-35	TP09 8'	Total/NA	Solid	300.0	41646
885-41550-36	TP09 12'	Total/NA	Solid	300.0	41646
885-41550-37	TP10 0'	Total/NA	Solid	300.0	41646
MB 885-41646/1-A	Method Blank	Total/NA	Solid	300.0	41646
LCS 885-41646/2-A	Lab Control Sample	Total/NA	Solid	300.0	41646

QC Association Summary

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

HPLC/IC

Analysis Batch: 41865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-41550-31	TP08 8'	Total/NA	Solid	300.0	41646

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 0'
Date Collected: 01/13/26 10:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 01:57
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 01:57
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 18:23
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 18:53

Client Sample ID: TP01 4'
Date Collected: 01/13/26 11:15
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 02:19
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 02:19
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 18:34
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 19:24

Client Sample ID: TP01 8'
Date Collected: 01/13/26 12:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 02:40
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 02:40
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 18:45
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		20	41684	MA	EET ALB	01/21/26 18:48

Client Sample ID: TP01 16'
Date Collected: 01/13/26 12:28
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 03:02

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP01 16'
Date Collected: 01/13/26 12:28
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 03:02
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 18:56
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 20:05

Client Sample ID: TP02 0'
Date Collected: 01/13/26 12:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 03:23
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 03:23
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 19:06
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 20:36

Client Sample ID: TP02 4'
Date Collected: 01/13/26 12:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 03:45
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 03:45
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 19:28
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 20:47

Client Sample ID: TP02 8'
Date Collected: 01/13/26 12:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 04:06
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 04:06

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP02 8'
Date Collected: 01/13/26 12:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 19:38
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 20:57

Client Sample ID: TP03 0'
Date Collected: 01/13/26 13:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 04:49
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 04:49
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 19:49
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 21:07

Client Sample ID: TP03 4'
Date Collected: 01/13/26 13:49
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 05:11
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 05:11
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:00
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 21:18

Client Sample ID: TP03 8'
Date Collected: 01/13/26 13:55
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 05:32
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 05:32
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:10

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP03 8'
Date Collected: 01/13/26 13:55
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 21:28

Client Sample ID: TP04 0'
Date Collected: 01/13/26 14:12
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 05:54
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 05:54
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:21
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 21:38

Client Sample ID: TP04 4'
Date Collected: 01/13/26 14:17
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 06:15
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 06:15
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:32
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 21:49

Client Sample ID: TP04 8'
Date Collected: 01/13/26 14:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 06:36
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 06:36
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:42
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		20	41684	MA	EET ALB	01/21/26 18:58

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP04 12'
Date Collected: 01/13/26 14:35
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 06:58
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 06:58
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 20:53
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		20	41684	MA	EET ALB	01/21/26 19:09

Client Sample ID: TP04 19'
Date Collected: 01/13/26 15:00
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 07:20
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 07:20
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 21:04
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 22:40

Client Sample ID: TP05 0'
Date Collected: 01/14/26 09:18
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 07:41
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 07:41
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 21:25
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 22:51

Client Sample ID: TP05 4'
Date Collected: 01/14/26 09:29
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8015M/D		1	41655	AT	EET ALB	01/21/26 08:03

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 4'
Date Collected: 01/14/26 09:29
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41546	VP	EET ALB	01/19/26 12:34
Total/NA	Analysis	8021B		1	41656	AT	EET ALB	01/21/26 08:03
Total/NA	Prep	SHAKE			41559	EM	EET ALB	01/19/26 15:33
Total/NA	Analysis	8015M/D		1	41519	EM	EET ALB	01/19/26 21:35
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 23:01

Client Sample ID: TP05 8'
Date Collected: 01/14/26 09:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42068	VP	EET ALB	01/28/26 05:12
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42069	VP	EET ALB	01/28/26 05:12
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 17:54
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 15:32

Client Sample ID: TP05 12'
Date Collected: 01/14/26 09:56
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42068	VP	EET ALB	01/28/26 06:22
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42069	VP	EET ALB	01/28/26 06:22
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 18:06
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 16:32

Client Sample ID: TP05 16'
Date Collected: 01/14/26 10:01
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42068	VP	EET ALB	01/28/26 07:33
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42069	VP	EET ALB	01/28/26 07:33

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP05 16'
Lab Sample ID: 885-41550-20
Date Collected: 01/14/26 10:01
Matrix: Solid
Date Received: 01/19/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 18:18
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 15:42

Client Sample ID: TP06 0'
Lab Sample ID: 885-41550-21
Date Collected: 01/14/26 10:22
Matrix: Solid
Date Received: 01/19/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 10:47
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 10:47
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 18:30
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 16:34

Client Sample ID: TP06 4'
Lab Sample ID: 885-41550-22
Date Collected: 01/14/26 10:03
Matrix: Solid
Date Received: 01/19/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 11:10
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 11:10
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 18:41
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 16:44

Client Sample ID: TP06 8'
Lab Sample ID: 885-41550-23
Date Collected: 01/14/26 10:37
Matrix: Solid
Date Received: 01/19/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 11:34
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 11:34
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 18:53

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP06 8'
Date Collected: 01/14/26 10:37
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 16:54

Client Sample ID: TP06 12'
Date Collected: 01/14/26 10:46
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 11:58
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 11:58
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 19:05
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 17:05

Client Sample ID: TP07 0'
Date Collected: 01/14/26 09:22
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 12:22
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 12:22
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 19:16
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 17:15

Client Sample ID: TP07 4'
Date Collected: 01/14/26 11:36
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 12:46
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 12:46
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 19:40
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 17:25

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP07 8'
Date Collected: 01/14/26 11:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 13:09
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 13:09
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 19:51
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 17:36

Client Sample ID: TP07 12'
Date Collected: 01/14/26 11:52
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 13:33
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 13:33
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 20:03
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 17:46

Client Sample ID: TP08 0'
Date Collected: 01/14/26 13:06
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 13:57
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 13:57
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 20:15
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 16:42

Client Sample ID: TP08 4'
Date Collected: 01/14/26 13:15
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 14:45

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP08 4'
Date Collected: 01/14/26 13:15
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 14:45
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 20:26
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 17:37

Client Sample ID: TP08 8'
Date Collected: 01/14/26 13:27
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 15:09
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 15:09
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 21:01
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		20	41865	EH	EET ALB	01/23/26 16:28

Client Sample ID: TP08 16'
Date Collected: 01/14/26 13:44
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 15:33
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 15:33
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 21:13
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 17:58

Client Sample ID: TP09 0'
Date Collected: 01/14/26 14:01
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 15:58
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 15:58

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 0'
Date Collected: 01/14/26 14:01
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 21:25
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 18:09

Client Sample ID: TP09 4'
Date Collected: 01/14/26 14:18
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 16:22
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 16:22
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 21:48
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 18:20

Client Sample ID: TP09 8'
Date Collected: 01/14/26 14:26
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 16:46
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 16:46
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 21:59
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 18:31

Client Sample ID: TP09 12'
Date Collected: 01/14/26 14:44
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 17:10
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 17:10
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 22:11

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP09 12'
Date Collected: 01/14/26 14:44
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 18:42

Client Sample ID: TP10 0'
Date Collected: 01/15/26 11:33
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8015M/D		1	42130	VP	EET ALB	01/28/26 17:34
Total/NA	Prep	5030C			41622	JP	EET ALB	01/20/26 12:32
Total/NA	Analysis	8021B		1	42129	VP	EET ALB	01/28/26 17:34
Total/NA	Prep	SHAKE			41652	EM	EET ALB	01/20/26 16:01
Total/NA	Analysis	8015M/D		1	41675	EM	EET ALB	01/21/26 22:22
Total/NA	Prep	300_Prep			41646	EH	EET ALB	01/20/26 15:15
Total/NA	Analysis	300.0		10	41689	MA	EET ALB	01/21/26 18:53

Client Sample ID: TP10 4'
Date Collected: 01/15/26 11:46
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 01:14
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 01:14
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 16:29
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 23:11

Client Sample ID: TP10 8'
Date Collected: 01/15/26 11:54
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 02:19
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 02:19
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 16:53
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 23:22

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP10 12'
Date Collected: 01/15/26 12:20
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 03:23
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 03:23
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 17:16
Total/NA	Prep	300_Prep			41642	EH	EET ALB	01/20/26 14:21
Total/NA	Analysis	300.0		10	41607	EH	EET ALB	01/20/26 23:32

Client Sample ID: TP11 0'
Date Collected: 01/15/26 10:45
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 03:45
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 03:45
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 17:39
Total/NA	Prep	300_Prep			41682	MA	EET ALB	01/21/26 09:00
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 12:36

Client Sample ID: TP11 4'
Date Collected: 01/15/26 10:50
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 04:06
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 04:06
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 18:03
Total/NA	Prep	300_Prep			41682	MA	EET ALB	01/21/26 09:00
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 13:07

Client Sample ID: TP11 8'
Date Collected: 01/15/26 10:57
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 04:28

Lab Chronicle

Client: Devon Energy Corporation
Project/Site: North Thistle Pipeline

Job ID: 885-41550-1

Client Sample ID: TP11 8'
Date Collected: 01/15/26 10:57
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 04:28
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 18:26
Total/NA	Prep	300_Prep			41682	MA	EET ALB	01/21/26 09:00
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 13:38

Client Sample ID: TP11 12'
Date Collected: 01/15/26 11:08
Date Received: 01/19/26 07:35

Lab Sample ID: 885-41550-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8015M/D		1	42017	AT	EET ALB	01/27/26 04:49
Total/NA	Prep	5030C			41589	VP	EET ALB	01/20/26 09:30
Total/NA	Analysis	8021B		1	42018	AT	EET ALB	01/27/26 04:49
Total/NA	Prep	SHAKE			41628	BV	EET ALB	01/20/26 13:14
Total/NA	Analysis	8015M/D		1	41579	BV	EET ALB	01/20/26 18:49
Total/NA	Prep	300_Prep			41682	MA	EET ALB	01/21/26 09:00
Total/NA	Analysis	300.0		10	41684	MA	EET ALB	01/21/26 14:09

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: North Thistle Pipeline

Job ID: 885-41550-1

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	02-25-26

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	02-25-26

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: North Thistle Pipeline

Project #: 2507-11205

Project Manager: Will Harmon/Monica Peppin

Sampler: MJP

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Abby

Cooler Temp(including CF): 5.6+0.3=5.9(°C)

HALL ENVIRONMENTAL ANALYSIS LAB
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM
Tel. 505-345-3975 Fax 505-345-4
885-41550 COC

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/13	10:54	Soil	TP01 0'	402	ice		✓	✓					✓			
	11:15		TP01 4'													
	12:22		TP01 8'													
	12:28		TP01 16'													
	12:36		TP02 0'													
	12:45		TP02 4'													
	12:54		TP02 8'													
	1:45		TP03 0'													
	1:49		TP03 4'													
	1:55		TP03 8'													
	2:10		TP04 0													
	2:17		TP04 4													

Date	Time	Relinquished by	Received by	Via	Date	Time
					1/16/26	915
1/16/26	1900			courier	1/19/26	7:35

Remarks:
CC: M. Peppin final report
Direct bill Devon
Cost Center: 9030007345

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.

2 of 4

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 5 day ☐ Rush
Project Name: North Thistle Pipeline
Project #: 2507-11205
Project Manager: Will Harmon/Monica Peppin
Sampler: MJP
On Ice: ☑ Yes ☐ No
# of Coolers: 1 (1 bby)
Cooler Temp(including CF): 5.6+0.3=5.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/13	2:22	Soil	TP04 8'	4oz	Ice		✓	✓					✓			
1/13	2:35		TP04 10'													
1/13	3:00		TP04 19'													
1/14	9:18		TP05 0'													
	9:29		TP05 4'													
	9:36		TP05 8'													
	9:56		TP05 12'													
	10:01		TP05 16'													
	10:22		TP06 0'													
	10:31		TP06 4'													
	10:37		TP06 8'													
1/14	10:46		TP06 12'													

Date	Time	Relinquished by	Received by	Via	Date	Time
1/16/26	915				1/16/26	915
1/16/26	1900			courier	1/19/26	7:35

Remarks:
CC: M. Peppin Report
Direct Bill Devon
Cost Center: 90300007345

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

Chain-of-Custody Record

Client: Devon
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: 5 day
☑ Standard ☑ Rush
Project Name: North Thistle Pipeline
Project #: 2507-11205
Project Manager: Will Harmon/Monica Peppin
Sampler: MDP
On Ice: ☑ Yes ☐ No
# of Coolers: 1 Abby
Cooler Temp(including CF): 5.6+0.3=5.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/14	9:22	Soil	TP07 0'	4oz	ice	
	11:36		TP07 4'			
	11:46		TP07 8'			
	11:52		TP07 12'			
	1:06		TP08 0'			
	1:15		TP08 4'			
	1:27		TP08 8'			
	1:44		TP08 16'			
	2:01		TP09 0			
	2:18		TP09 4			
	2:26		TP09 8			
	2:44		TP09 12			

Analysis Request

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			

Date	Time	Relinquished by	Received by	Via	Date	Time
1/16/24	915				1/16/24	915
1/16/24	1900			Courier	1/19/24	7:35

Remarks: cc: M. Peppin Direct bill Devon
90300007345

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

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

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: 5 day
☑ Standard ☐ Rush

Project Name: North Thistle Pipeline

Project #: 8507-11205

Project Manager: Will Harman/Monica Peppin

Sampler: MJP

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Abby

Cooler Temp(including CF): 5.4+0.3=5.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/15		soil	~~TP09 Hz~~	402	Ice	
1/15	11:33		TP10 0'			
	11:46		TP10 4'			
	11:54		TP10 8'			
	12:20		TP10 12'			
	10:45		TP11 0'			
	10:50		TP11 4'			
	10:57		TP11 8'			
	11:08		TP11 12'			

Analysis Request

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	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			

Date	Time	Relinquished by	Received by	Via	Date	Time
1/16/26	915				1/16/26	915
1/16/26	1900			Courier	1/19/26	7:35

Remarks:
cc: M Peppin
Direct bill Devon
Cost Center: 9030007345

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: 885-41550-1

Login Number: 41550 **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	

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QUESTIONS

Action 559209

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559209
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2534637768**
Incident Name	**NAPP2534637768 NORTH THISTLE PIPELINE @ C-22-23S-33E 57S 113E**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	North Thistle Pipeline
Date Release Discovered	12/03/2025
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pipeline (Any) | Produced Water | Released: 17 BBL | Recovered: 0 BBL | Lost: 17 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)	*Not answered.*

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559209
	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: 03/03/2026

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QUESTIONS (continued)

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	Action Number: 559209
	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	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	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	Greater than 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)	10000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	450
GRO+DRO (EPA SW-846 Method 8015M)	330
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/01/2026
On what date will (or did) the final sampling or liner inspection occur	05/01/2026
On what date will (or was) the remediation complete(d)	05/15/2026
What is the estimated surface area (in square feet) that will be reclaimed	1010
What is the estimated volume (in cubic yards) that will be reclaimed	100
What is the estimated surface area (in square feet) that will be remediated	1010
What is the estimated volume (in cubic yards) that will be remediated	100
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)

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	Action Number: 559209
	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: 03/03/2026
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)

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	Action Number: 559209
	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)

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	Action Number: 559209
	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

Action 559209

CONDITIONS

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	Action Number: 559209
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Please collect confirmation closure samples, representing no more than 200 ft2. 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 from Table 1 of the OCD Spill Rule for site receptor characterization/proven depth to water determination. Please make sure that the edge of the release extent is accurately defined. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All off-pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	3/3/2026
rhamlet	The variance request for groundwater depth of 51–100-foot closure criteria is denied. POD C-04664-POD1 is outside the necessary 0.5-mile radius threshold. The variance request for 120-day timeline is denied. An extension request can be requested before the 90-day deadline expires for good reason.	3/3/2026