District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone
Contact email Dale.Woodall@dvn.com	Incident # *(assigned by OCD)*
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.257147 Longitude -103.572883
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Thistle Unit 33 CTB 1	Site Type Oil
Date Release Discovered 12/29/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	33	23S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 7.39 BBLS	Volume Recovered (bbls) 1 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water line developed a leak.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ■ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
- ■ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ■ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Spill was not in containment.

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

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.

Printed Name: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Date: 1/13/2022

email: Kendra.Ruiz@dvn.com Telephone: 575-748-0167

OCD Only

Received by: Ramona Marcus Date: 1/13/2022

NAPP2201354511

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
866.286	0.500
Cubic Feet of Soil Impacted	36.095
Barrels of Soil Impacted	6.43
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.97
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.97
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
866.286	0.500
Standing fluid	6.434
Total fluids spilled	7.399

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	≥55 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

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.

Printed Name: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 7/13/2022

email: Dale.Woodall@dvn.com

Telephone: 575.748.1838

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall
Title: Environmental Professional

Signature: Dale Woodall
Date: 7/13/2022

email: Dale.Woodal@dvn.com
Telephone: 575.748.1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui
Date: 07/20/2022

Printed Name: Jennifer Nobui
Title: Environmental Specialist A

talonlpe.com • 866.742.0742

TALON LPE

Closure Report

Thistle Unit 33 CTB 1
Lea County, New Mexico
Incident # nAPP2201354511

Prepared For:

Devon Energy Production Company
6488 Seven Rivers Highway
Artesia, NM 88210

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

July 14, 2022

NMOCD District 1
1625 N. French Street
Hobbs, New Mexico 88240

Subject: **Closure Report**
Thistle Unit 33 CTB 1
Lea County, New Mexico
Incident # nAPP2201354511

New Mexico Oil Conservation District,

Devon Energy (Devon) contracted Talon/LPE (Talon) to perform site characterization and remediation services at the above referenced location. The incident description, remedial actions, confirmation soil sampling results and closure request is presented herein.

Site Information

The Thistle Unit 33 CTB 1 is located approximately 24 miles northwest of Jal, New Mexico. The legal location for this release is Unit Letter P, Section 33, Township 23 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.257147 and -103.572883. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in the area is made up of Pyote and Maljamar fine sands with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of eolian and piedmont deposits, Holocene to middle Pleistocene. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 400 feet below ground surface (bgs) at a distance of 0.84 miles from the subject site. Because this data is over 0.5 miles from the site, a temporary well was drilled to a depth of 55 feet bgs approximately 0.45 miles southeast of the site to conclusively determine the presence or absence of groundwater at that depth. See Appendix II for the submitted well record and log with plugging report to the New Mexico Office of the State Engineer. Groundwater was not encountered at 55 feet bgs following a six (6) day period after the installation of a temporary well. The FEMA Flood Map Service Center does not locate the Thistle Unit 33 CTB 1 in a 100-year flood plain. Further

research of the Bureau of Land Management Karst data indicates that this site is not located within a high potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	**> 55 feet/bgs**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

Because the release occurred in a production area (well pad) and the verified depth to groundwater is greater than 55 feet bgs, the clean up criteria for this site is as follows.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
50-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO/DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On December 29, 2021, approximately 7.39 barrels (bbls) of produced water were discharged onto the well pad due to a waterline leak on the main line from the three-phase separator to the tanks. The release was confined to the well pad and did not flow off location. A vacuum truck was dispatched and one (1) bbl of produced water was recovered. Site maps of the release are presented in Appendix I. An initial C-141 spill notification was filed with the NMOCD and is attached in Appendix III.

Initial Site Characterization

On March 9, 2022, a temporary well (C-4595 POD-1) was drilled at the GPS location 32.254645, -103.565256 to conclusively determine the presence or absence of groundwater. The borehole was advanced to 55 feet bgs utilizing an air rotary drill rig. The presence or absence of groundwater was measured on March 9 and March 15, 2022. No groundwater was encountered. The temporary well was backfilled with drill cuttings and the upper 10 feet was filled hole plug (bentonite chips) and hydrated. This work was performed by Atkins Engineering Associates, Inc., and documented in Appendix II.

On March 24, 2022, Talon personnel conducted a site assessment, collecting five (5) samples within the spill footprint. Photographic documentation outlining the release is included in Appendix IV. The soil samples were properly contained, preserved, and transported to Eurofins Laboratories for analyses of Total Chlorides (EPA 300.0), Total Petroleum Hydrocarbons, TPH (EPA Method 8015M), and Volatile Organics, BTEX (EPA Method 8021B). The analytical results are highlighted in the following data table and the sample locations are shown on the attached Figure 1 (Appendix I).

Table I

03/24/2022 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
S-1	3/24/2022	0-0.5' R	ND	ND	25.2	25.1	ND	50.3	9,000
S-2	3/24/2022	0-0.5' R	ND	ND	32.1	31.4	ND	63.5	8,750
S-3	3/24/2022	0-1'	ND	ND	28.3	26.9	ND	55.2	4,360
S-3	3/24/2022	2' R	ND	ND	28.9	25.4	ND	54.3	1,900
S-4	3/24/2022	0-0.5' R	0.00145	ND	28.3	24.2	ND	52.5	93.6
S-5	3/24/2022	0-1' R	ND	ND	25.4	23.8	ND	49.2	11.9
ND = Analyte Not Detected									

Remedial Actions

- Representative soil samples were collected throughout the impacted area.
- Laboratory analysis confirms that NMOCD closure criteria for this site were not exceeded. Therefore, no remedial actions were deemed necessary at this time.
- A Final C-141 Form in attached in Appendix III.

Closure

Based on this site characterization, verified minimum depth to groundwater greater than 55 feet bgs, and soil analytical results, we request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

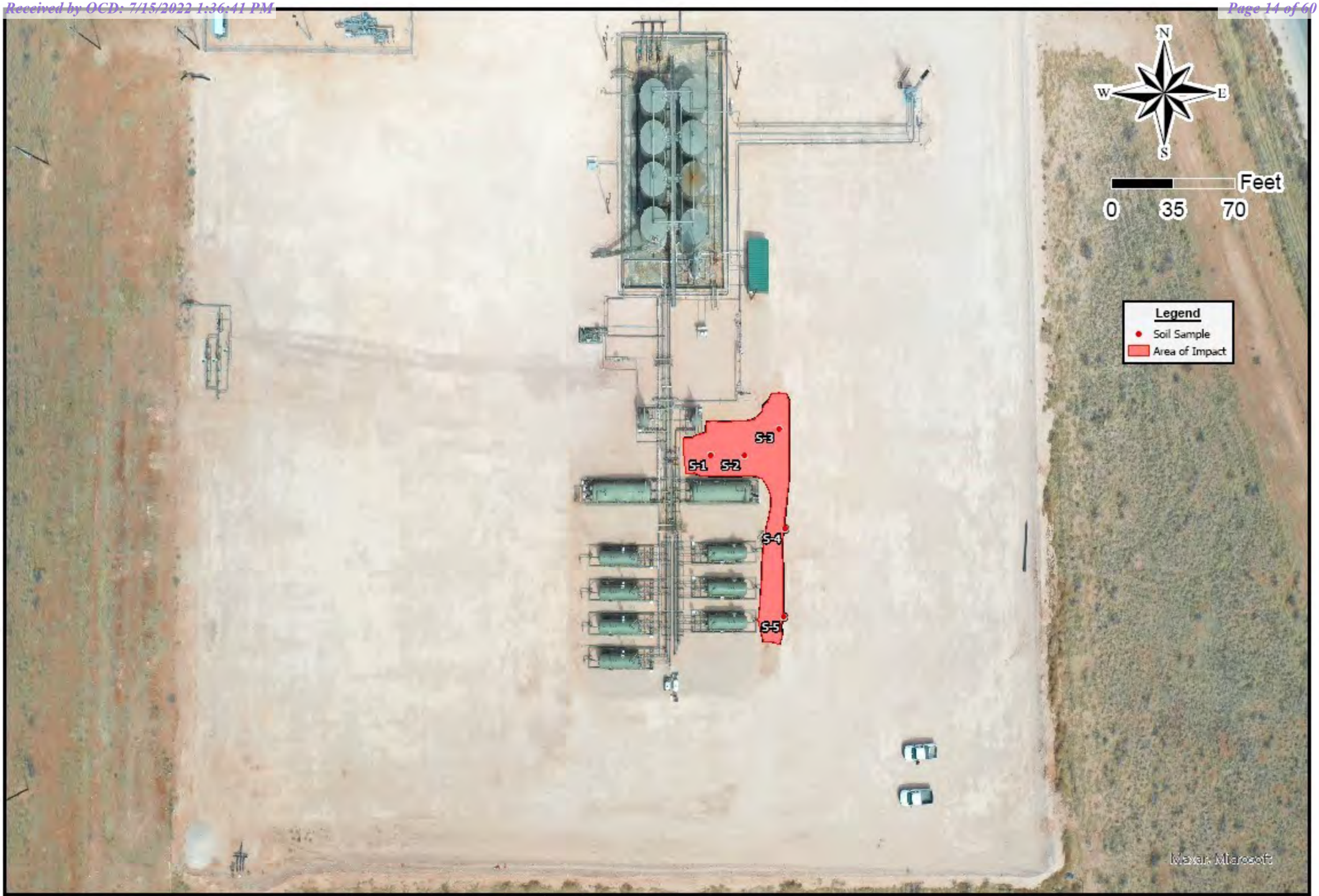
Kayla Taylor
Project Manager

David J. Adkins
Regional Manager

Attachments:
Appendix I Site Plans
Appendix II Boring Log
Appendix III C-141 Forms
Appendix lV Photographic Documentation
Appendix V Laboratory Data

Appendix I

Site Maps

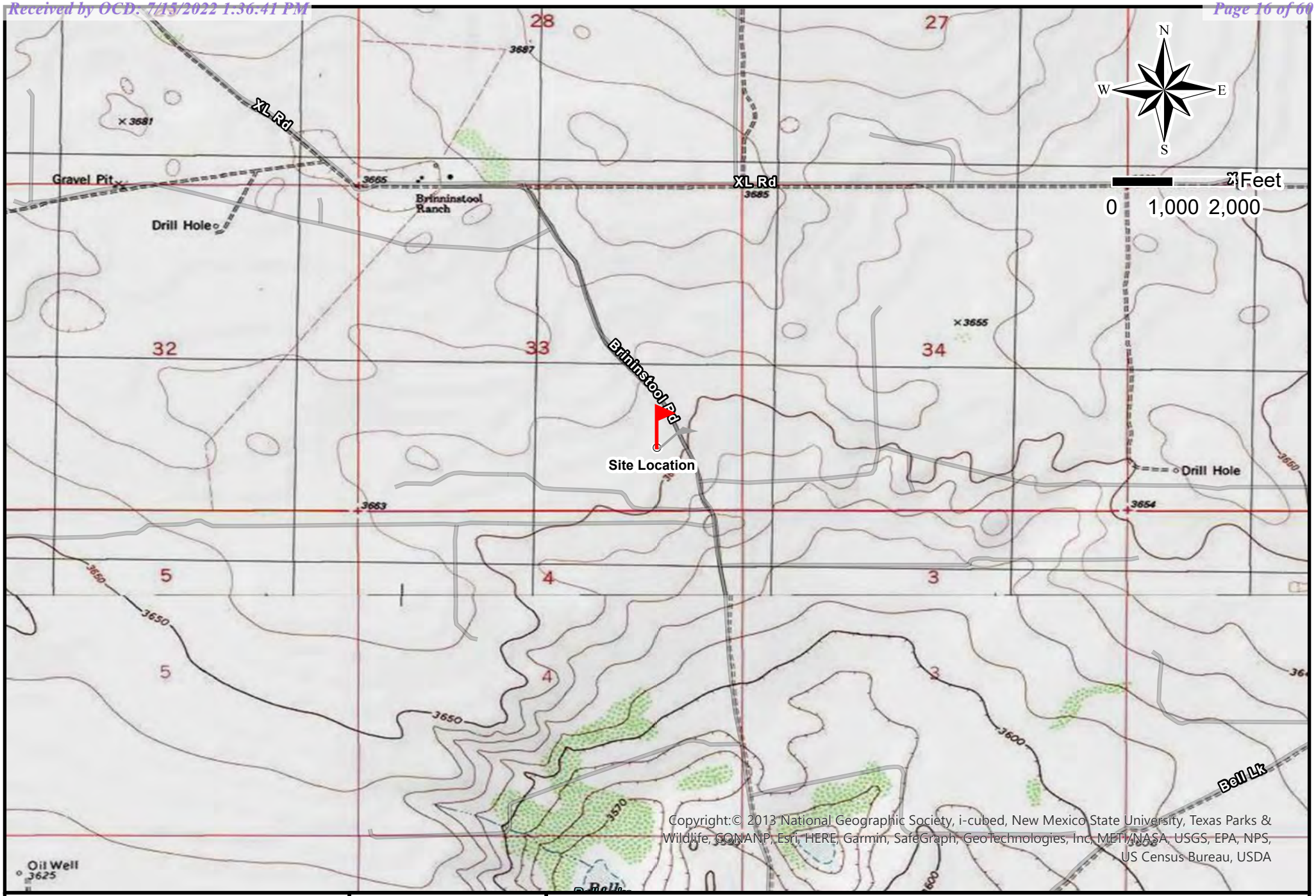


TALON LPE	Drafted: 5/2/2022 1 in = 70 ft Drafted By: IJR	Devon Energy Production Company Thistle Unit 33 CTB 1 Lea County, New Mexico Facility ID # fAPP2123651034 Figure 1- Site Assessment Map

TALON LPE

Drafted: 5/3/2022
1 in = 1,000 ft
Drafted By: IJR

Devon Energy Production Company
Thistle Unit 33 CTB 1
Lea County, New Mexico
Facility ID # fAPP2123651034
Figure 2 - Site Location Map



TALON LPE

Drafted: 5/2/2022
1 in = 2,000 ft
Drafted By: IJR

Devon Energy Production Company
Thistle Unit 33 CTB 1
Lea County, New Mexico
Facility ID # fAPP2123651034
Figure 3 - Topographic Map

TALON LPE

Drafted: 5/2/2022
1 in = 300 ft
Drafted By: IJR

Devon Energy Production Company
Thistle Unit 33 CTB 1
Lea County, New Mexico
Facility ID # fAPP2123651034
Figure 4 - Karst Map

Appendix II

Boring Log

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

04/01/2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4595 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4595 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

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)		C-4595

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	15	16.73	N
	LONGITUDE	103	33	54.92	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 SW SW Sec. 34 T23S R33E

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)
03/09/2022	03/09/2022	temporary well casing	±55	n/a

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): dry

DATE STATIC MEASURED: 03/9/22,3/15/22

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	--	--	--	--

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.	POD NO.	TRN NO.	
LOCATION		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	4	4	Caliche, with medium to fine grained sand, white and Red	Y ✓ N	
4	24	20	Sand, medium/ fine grained, poorly graded, tan	Y ✓ N	
24	29	5	Sand, medium/ fine grained, poorly graded, Reddish Brown	Y ✓ N	
29	55	26	Sand, medium/ fine grained, poorly graded, with clay Reddish 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	

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.

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

Shane Eldridge, Carmelo Trevino, 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 — 03/31/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

OSE DII APR 4 2022 PM2:02

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

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

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-4595 POD-1

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: 03/31/2022 Date well plugging concluded: 03/31/2022

5) GPS Well Location: Latitude: 32 deg, 15 min, 16.73 sec
Longitude: 103 deg, 33 min, 54.92 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: 1/28/2022

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 DIT APR 4 2022 PM 2:03

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'	0-10' Hydrated Bentonite	Approx. 15.7 gallons	15 gallons	Augers	
10'-51'	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

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

03/31/2022

Date

Version: September 8, 2009
Page 2 of 2

WR-20 Well Record and Log-forsign

Final Audit Report 2022-03-31

Created:	2022-03-31
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA5gS-BF8wqVLJUc4hjo9A2Gu8_pebpNFL

"WR-20 Well Record and Log-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-03-31 - 8:03:47 PM GMT- IP address: 69.21.254.158

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-03-31 - 8:04:57 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-03-31 - 9:28:09 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-03-31 - 9:28:49 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-03-31 - 9:28:49 PM GMT

OSE DIT APR 4 2022 PM2:03

Adobe Sign

Appendix lll

C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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.

Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 1/13/2022

NAPP2201354511

Spill Volume(Bbls) Calculator *Inputs in blue, Outputs in red*	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
866.286	0.500
Cubic Feet of Soil Impacted	36.095
Barrels of Soil Impacted	6.43
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.97
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.97
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
866.286	0.500
Standing fluid	6.434
Total fluids spilled	7.399

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	>55 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

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.

Printed Name: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 7/13/2022

email: Dale.Woodall@dvn.com

Telephone: 575.748.1838

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2201354511
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall
Title: Environmental Professional

Signature: Dale Woodall
Date: 7/13/2022

email: Dale.Woodal@dvn.com
Telephone: 575.748.1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Appendix IV

Photographic Documentation

Photograph No.1 Description:

Southern section of release area.

Photograph No.2 Description:

Central section of release area.

Photograph No.3 Description:

Northern section of release area.

Photograph No.4 Description:

Northern section of release area.

Photograph No.5 Description:

Northern section of release area.

Photograph No.6 Description:

Aerial photograph of release area.

Appendix V

Laboratory Data

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12915-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Devon Thistle 33 TB

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Kayla Taylor

JKramer

Authorized for release by:
4/5/2022 3:45:11 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Laboratory Job ID: 880-12915-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Job ID: 880-12915-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12915-1

Receipt
The samples were received on 3/25/2022 4:25 PM. 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 5.4°C

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

GC Semi VOA
Method 8015MOD_NM: The method blank for preparation batch 880-22508 and analytical batch 880-22434 contained Over C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22508 and analytical batch 880-22434 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-1 0-6" R

Lab Sample ID: 880-12915-1
Matrix: Solid
Date Collected: 03/24/22 10:55
Date Received: 03/25/22 16:25
Sample Depth: 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/22 08:39	03/28/22 18:37	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/28/22 08:39	03/28/22 18:37	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/28/22 08:39	03/28/22 18:37	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/22 08:39	03/28/22 18:37	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/28/22 08:39	03/28/22 18:37	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/22 08:39	03/28/22 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/28/22 08:39*	*03/28/22 18:37*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/28/22 08:39*	*03/28/22 18:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.3**		50.0	15.0	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**25.2**	**J**	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 23:55	1
Over C10-C28	**25.1**	**J B**	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 23:55	1
Over C28-C36	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/28/22 14:51*	*03/28/22 23:55*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/28/22 14:51*	*03/28/22 23:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9000**		99.8	17.1	mg/Kg			04/01/22 13:56	20

Client Sample ID: S-2 0-6" R

Lab Sample ID: 880-12915-2
Matrix: Solid
Date Collected: 03/24/22 11:05
Date Received: 03/25/22 16:25
Sample Depth: 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 08:39	03/28/22 18:57	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/28/22 08:39	03/28/22 18:57	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 08:39	03/28/22 18:57	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 08:39	03/28/22 18:57	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 08:39	03/28/22 18:57	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 08:39	03/28/22 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/28/22 08:39*	*03/28/22 18:57*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/28/22 08:39*	*03/28/22 18:57*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-2 0-6" R

Lab Sample ID: 880-12915-2
Matrix: Solid
Date Collected: 03/24/22 11:05
Date Received: 03/25/22 16:25
Sample Depth: 6"

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.5**		49.9	15.0	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**32.1**	**J**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:15	1
Over C10-C28	**31.4**	**J B**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:15	1
Over C28-C36	<15.0	U	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:15*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8750**		100	17.2	mg/Kg			04/01/22 14:05	20

Client Sample ID: S-3 0-1'

Lab Sample ID: 880-12915-3
Matrix: Solid
Date Collected: 03/24/22 11:10
Date Received: 03/25/22 16:25
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/28/22 08:39	03/28/22 19:18	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/28/22 08:39	03/28/22 19:18	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/28/22 08:39	03/28/22 19:18	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 08:39	03/28/22 19:18	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/28/22 08:39	03/28/22 19:18	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 08:39	03/28/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:18*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.2**		49.9	15.0	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**28.3**	**J**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:36	1
Over C10-C28	**26.9**	**J B**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:36	1
Over C28-C36	<15.0	U	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:36	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-3 0-1'

Lab Sample ID: 880-12915-3
Matrix: Solid
Date Collected: 03/24/22 11:10
Date Received: 03/25/22 16:25
Sample Depth: 1'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:36*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4360**		50.3	8.63	mg/Kg			04/01/22 14:14	10

Client Sample ID: S-3 2' R

Lab Sample ID: 880-12915-4
Matrix: Solid
Date Collected: 03/24/22 11:15
Date Received: 03/25/22 16:25
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/22 08:39	03/28/22 19:38	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/28/22 08:39	03/28/22 19:38	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/28/22 08:39	03/28/22 19:38	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 08:39	03/28/22 19:38	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/28/22 08:39	03/28/22 19:38	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 08:39	03/28/22 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:38*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.3**		50.0	15.0	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**28.9**	**J**	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:56	1
Over C10-C28	**25.4**	**J B**	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:56	1
Over C28-C36	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*106*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:56*	*1*
o-Terphenyl	*117*		*70 - 130*	*03/28/22 14:51*	*03/29/22 00:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		25.3	4.33	mg/Kg			04/01/22 14:23	5

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-4 0-6" R

Lab Sample ID: 880-12915-5
Matrix: Solid
Date Collected: 03/24/22 11:30
Date Received: 03/25/22 16:25
Sample Depth: 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 08:39	03/28/22 19:59	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		03/28/22 08:39	03/28/22 19:59	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/28/22 08:39	03/28/22 19:59	1
m-Xylene & p-Xylene	**0.00103**	**J**	0.00402	0.00101	mg/Kg		03/28/22 08:39	03/28/22 19:59	1
o-Xylene	**0.000418**	**J**	0.00201	0.000345	mg/Kg		03/28/22 08:39	03/28/22 19:59	1
Xylenes, Total	**0.00145**	**J**	0.00402	0.00101	mg/Kg		03/28/22 08:39	03/28/22 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/28/22 08:39*	*03/28/22 19:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00145**	**J**	0.00402	0.00101	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.5**		49.8	14.9	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**28.3**	**J**	49.8	14.9	mg/Kg		03/28/22 14:51	03/29/22 01:16	1
Over C10-C28	**24.2**	**J B**	49.8	14.9	mg/Kg		03/28/22 14:51	03/29/22 01:16	1
Over C28-C36	<14.9	U	49.8	14.9	mg/Kg		03/28/22 14:51	03/29/22 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/28/22 14:51*	*03/29/22 01:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/28/22 14:51*	*03/29/22 01:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.6**		5.00	0.858	mg/Kg			04/01/22 14:31	1

Client Sample ID: S-5 0-1' R

Lab Sample ID: 880-12915-6
Matrix: Solid
Date Collected: 03/24/22 00:00
Date Received: 03/25/22 16:25
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/28/22 08:39	03/28/22 20:19	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		03/28/22 08:39	03/28/22 20:19	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/28/22 08:39	03/28/22 20:19	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		03/28/22 08:39	03/28/22 20:19	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		03/28/22 08:39	03/28/22 20:19	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		03/28/22 08:39	03/28/22 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/28/22 08:39*	*03/28/22 20:19*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/28/22 08:39*	*03/28/22 20:19*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-5 0-1' R
Date Collected: 03/24/22 00:00
Date Received: 03/25/22 16:25
Sample Depth: 1'

Lab Sample ID: 880-12915-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			03/29/22 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**49.2**	**J**	49.9	15.0	mg/Kg			03/29/22 10:55	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**25.4**	**J**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 01:37	1
Over C10-C28	**23.8**	**J B**	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 01:37	1
Over C28-C36	<15.0	U	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/28/22 14:51*	*03/29/22 01:37*	*1*
o-Terphenyl	*119*		*70 - 130*	*03/28/22 14:51*	*03/29/22 01:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		4.99	0.857	mg/Kg			04/01/22 14:40	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12881-A-1-A MS	Matrix Spike	108	112
880-12881-A-1-B MSD	Matrix Spike Duplicate	103	108
880-12915-1	S-1 0-6" R	107	108
880-12915-2	S-2 0-6" R	110	109
880-12915-3	S-3 0-1'	108	108
880-12915-4	S-3 2' R	108	109
880-12915-5	S-4 0-6" R	109	105
880-12915-6	S-5 0-1' R	108	109
LCS 880-22441/1-A	Lab Control Sample	103	111
LCSD 880-22441/2-A	Lab Control Sample Dup	106	111
MB 880-22441/5-A	Method Blank	101	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12913-A-1-C MS	Matrix Spike	108	108
880-12913-A-1-D MSD	Matrix Spike Duplicate	105	110
880-12915-1	S-1 0-6" R	101	112
880-12915-2	S-2 0-6" R	106	116
880-12915-3	S-3 0-1'	103	114
880-12915-4	S-3 2' R	106	117
880-12915-5	S-4 0-6" R	101	112
880-12915-6	S-5 0-1' R	109	119

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-22508/2-A	Lab Control Sample	106	120
LCSD 880-22508/3-A	Lab Control Sample Dup	102	115
MB 880-22508/1-A	Method Blank	103	117

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22441/5-A
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 22441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 08:39	03/28/22 12:25	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/28/22 08:39	03/28/22 12:25	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 08:39	03/28/22 12:25	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 08:39	03/28/22 12:25	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 08:39	03/28/22 12:25	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 08:39	03/28/22 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/28/22 08:39*	*03/28/22 12:25*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/28/22 08:39*	*03/28/22 12:25*	*1*

Lab Sample ID: LCS 880-22441/1-A
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08121		mg/Kg		81	70 - 130
Toluene	0.100	0.08323		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.09070		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09315		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-22441/2-A
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22441

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07602		mg/Kg		76	70 - 130	7	35
Toluene	0.100	0.07698		mg/Kg		77	70 - 130	8	35
Ethylbenzene	0.100	0.08463		mg/Kg		85	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1742		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.08747		mg/Kg		87	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-12881-A-1-A MS
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000382	U F1	0.0996	0.07066		mg/Kg		71	70 - 130
Toluene	<0.000452	U F1	0.0996	0.06720	F1	mg/Kg		67	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-12881-A-1-A MS
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.000562	J F1	0.0996	0.06459	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	0.00112	J F1	0.199	0.1310	F1	mg/Kg		65	70 - 130
o-Xylene	0.000456	J F1	0.0996	0.06645	F1	mg/Kg		66	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-12881-A-1-B MSD
Matrix: Solid
Analysis Batch: 22450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000382	U F1	0.100	0.06355	F1	mg/Kg		64	70 - 130	11	35
Toluene	<0.000452	U F1	0.100	0.06029	F1	mg/Kg		60	70 - 130	11	35
Ethylbenzene	0.000562	J F1	0.100	0.05878	F1	mg/Kg		58	70 - 130	9	35
m-Xylene & p-Xylene	0.00112	J F1	0.200	0.1195	F1	mg/Kg		59	70 - 130	9	35
o-Xylene	0.000456	J F1	0.100	0.06027	F1	mg/Kg		60	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-22508/1-A
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 22508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1
Over C10-C28	23.03	J	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1
Over C28-C36	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/28/22 14:51*	*03/28/22 20:48*	*1*
o-Terphenyl	*117*		*70 - 130*	*03/28/22 14:51*	*03/28/22 20:48*	*1*

Lab Sample ID: LCS 880-22508/2-A
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	894.8		mg/Kg		89	70 - 130
Over C10-C28	1000	967.5		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-22508/2-A
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22508

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-22508/3-A
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22508

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10			1000	849.1		mg/Kg		85	70 - 130	5	20
Over C10-C28			1000	919.3		mg/Kg		92	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-12913-A-1-C MS
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	27.1	J	998	872.2		mg/Kg		85	70 - 130
Over C10-C28	37.5	J B F1	998	724.4	F1	mg/Kg		69	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-12913-A-1-D MSD
Matrix: Solid
Analysis Batch: 22434

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	27.1	J	995	848.7		mg/Kg		83	70 - 130	3	20
Over C10-C28	37.5	J B F1	995	722.3	F1	mg/Kg		69	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22742/1-A
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			04/01/22 09:27	1

QC Sample Results

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-22742/2-A
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.9		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-22742/3-A
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-12339-A-3-E MS
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3330		2480	5949		mg/Kg		106	90 - 110		

Lab Sample ID: 880-12339-A-3-F MSD
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3330		2480	5908		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-12898-A-7-G MS
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	106		250	363.1		mg/Kg		103	90 - 110		

Lab Sample ID: 880-12898-A-7-H MSD
Matrix: Solid
Analysis Batch: 22786

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	106		250	360.5		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 22441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	5035	
880-12915-2	S-2 0-6" R	Total/NA	Solid	5035	
880-12915-3	S-3 0-1'	Total/NA	Solid	5035	
880-12915-4	S-3 2' R	Total/NA	Solid	5035	
880-12915-5	S-4 0-6" R	Total/NA	Solid	5035	
880-12915-6	S-5 0-1' R	Total/NA	Solid	5035	
MB 880-22441/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22441/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22441/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12881-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-12881-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 22450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	8021B	22441
880-12915-2	S-2 0-6" R	Total/NA	Solid	8021B	22441
880-12915-3	S-3 0-1'	Total/NA	Solid	8021B	22441
880-12915-4	S-3 2' R	Total/NA	Solid	8021B	22441
880-12915-5	S-4 0-6" R	Total/NA	Solid	8021B	22441
880-12915-6	S-5 0-1' R	Total/NA	Solid	8021B	22441
MB 880-22441/5-A	Method Blank	Total/NA	Solid	8021B	22441
LCS 880-22441/1-A	Lab Control Sample	Total/NA	Solid	8021B	22441
LCSD 880-22441/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22441
880-12881-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	22441
880-12881-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	22441

Analysis Batch: 22557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	Total BTEX	
880-12915-2	S-2 0-6" R	Total/NA	Solid	Total BTEX	
880-12915-3	S-3 0-1'	Total/NA	Solid	Total BTEX	
880-12915-4	S-3 2' R	Total/NA	Solid	Total BTEX	
880-12915-5	S-4 0-6" R	Total/NA	Solid	Total BTEX	
880-12915-6	S-5 0-1' R	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 22434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	8015B NM	22508
880-12915-2	S-2 0-6" R	Total/NA	Solid	8015B NM	22508
880-12915-3	S-3 0-1'	Total/NA	Solid	8015B NM	22508
880-12915-4	S-3 2' R	Total/NA	Solid	8015B NM	22508
880-12915-5	S-4 0-6" R	Total/NA	Solid	8015B NM	22508
880-12915-6	S-5 0-1' R	Total/NA	Solid	8015B NM	22508
MB 880-22508/1-A	Method Blank	Total/NA	Solid	8015B NM	22508
LCS 880-22508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22508
LCSD 880-22508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22508
880-12913-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	22508
880-12913-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22508

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 22508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	8015NM Prep	
880-12915-2	S-2 0-6" R	Total/NA	Solid	8015NM Prep	
880-12915-3	S-3 0-1'	Total/NA	Solid	8015NM Prep	
880-12915-4	S-3 2' R	Total/NA	Solid	8015NM Prep	
880-12915-5	S-4 0-6" R	Total/NA	Solid	8015NM Prep	
880-12915-6	S-5 0-1' R	Total/NA	Solid	8015NM Prep	
MB 880-22508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12913-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12913-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 22545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Total/NA	Solid	8015 NM	
880-12915-2	S-2 0-6" R	Total/NA	Solid	8015 NM	
880-12915-3	S-3 0-1'	Total/NA	Solid	8015 NM	
880-12915-4	S-3 2' R	Total/NA	Solid	8015 NM	
880-12915-5	S-4 0-6" R	Total/NA	Solid	8015 NM	
880-12915-6	S-5 0-1' R	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Soluble	Solid	DI Leach	
880-12915-2	S-2 0-6" R	Soluble	Solid	DI Leach	
880-12915-3	S-3 0-1'	Soluble	Solid	DI Leach	
880-12915-4	S-3 2' R	Soluble	Solid	DI Leach	
880-12915-5	S-4 0-6" R	Soluble	Solid	DI Leach	
880-12915-6	S-5 0-1' R	Soluble	Solid	DI Leach	
MB 880-22742/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22742/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22742/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12339-A-3-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12339-A-3-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-12898-A-7-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12898-A-7-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12915-1	S-1 0-6" R	Soluble	Solid	300.0	22742
880-12915-2	S-2 0-6" R	Soluble	Solid	300.0	22742
880-12915-3	S-3 0-1'	Soluble	Solid	300.0	22742
880-12915-4	S-3 2' R	Soluble	Solid	300.0	22742
880-12915-5	S-4 0-6" R	Soluble	Solid	300.0	22742
880-12915-6	S-5 0-1' R	Soluble	Solid	300.0	22742
MB 880-22742/1-A	Method Blank	Soluble	Solid	300.0	22742
LCS 880-22742/2-A	Lab Control Sample	Soluble	Solid	300.0	22742
LCSD 880-22742/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22742
880-12339-A-3-E MS	Matrix Spike	Soluble	Solid	300.0	22742

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 22786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12339-A-3-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22742
880-12898-A-7-G MS	Matrix Spike	Soluble	Solid	300.0	22742
880-12898-A-7-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22742

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-1 0-6" R

Lab Sample ID: 880-12915-1
Date Collected: 03/24/22 10:55
Matrix: Solid
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 18:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/28/22 23:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		20	0 mL	1.0 mL	22786	04/01/22 13:56	CH	XEN MID

Client Sample ID: S-2 0-6" R

Lab Sample ID: 880-12915-2
Date Collected: 03/24/22 11:05
Matrix: Solid
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 18:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 00:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		20	0 mL	1.0 mL	22786	04/01/22 14:05	CH	XEN MID

Client Sample ID: S-3 0-1'

Lab Sample ID: 880-12915-3
Date Collected: 03/24/22 11:10
Matrix: Solid
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 19:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 00:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		10	0 mL	1.0 mL	22786	04/01/22 14:14	CH	XEN MID

Client Sample ID: S-3 2' R

Lab Sample ID: 880-12915-4
Date Collected: 03/24/22 11:15
Matrix: Solid
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 19:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Client Sample ID: S-3 2' R

Lab Sample ID: 880-12915-4
Matrix: Solid
Date Collected: 03/24/22 11:15
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 00:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	22786	04/01/22 14:23	CH	XEN MID

Client Sample ID: S-4 0-6" R

Lab Sample ID: 880-12915-5
Matrix: Solid
Date Collected: 03/24/22 11:30
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 19:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	22786	04/01/22 14:31	CH	XEN MID

Client Sample ID: S-5 0-1' R

Lab Sample ID: 880-12915-6
Matrix: Solid
Date Collected: 03/24/22 00:00
Date Received: 03/25/22 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	22441	03/28/22 08:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22450	03/28/22 20:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22557	03/29/22 11:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22545	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 01:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22742	03/31/22 15:45	SC	XEN MID
Soluble	Analysis	300.0		1			22786	04/01/22 14:40	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Devon Thistle 33 TB

Job ID: 880-12915-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12915-1	S-1 0-6" R	Solid	03/24/22 10:55	03/25/22 16:25	6"
880-12915-2	S-2 0-6" R	Solid	03/24/22 11:05	03/25/22 16:25	6"
880-12915-3	S-3 0-1'	Solid	03/24/22 11:10	03/25/22 16:25	1'
880-12915-4	S-3 2' R	Solid	03/24/22 11:15	03/25/22 16:25	2'
880-12915-5	S-4 0-6" R	Solid	03/24/22 11:30	03/25/22 16:25	6"
880-12915-6	S-5 0-1' R	Solid	03/24/22 00:00	03/25/22 16:25	1'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392 7550, Carlsbad, NM (575) 988-3199

Work Order No: 12915

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Project Manager:	Kayla Taylor	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	dalkins@talonlpe.com
Phone:	432-210-5443	Email:	KTaylor@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name:	Devon Thistle 33 TB	Turn Around	
Project Number:	705794.366.01	☒ Routine ☐ Rush	
Project Location:	Lea Co NM	Due Date.	
Sampler's Name:	K. Taylor	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.5
Total Containers:		Corrected Temperature:	5.4

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides 300.0	TDL 8015M	BTEX 8021B
S-1 0-6" R	S	3-24-22	1055	6"	G	1		X	X	X
S-2 0-6" R	S	3-24-22	1105	6"	G	1		X	X	X
S-3 0-1'	S		1110	1'	G	1		X	X	X
S-3 2' R	S		1115	2'	G	1		X	X	X
S-4 0-6" R	S		1130	6"	G	1		X	X	X
S-5 0-1' R	S		1145	1'	G	1		X	X	X

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

880-12915 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Kayla Taylor		3/25/22	2		
3			16:25	4		
5				6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-12915-1
SDG Number: Lea Co, NM

Login Number: 12915
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 125903

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 125903
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	7/20/2022