State of New Mexico
Oil Conservation Division

Incident ID	nAPP2226924595
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?	320 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2226924595
District RP	
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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: Env. Professional

Signature: Dale Woodall Date: 3-20-2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2226924595
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: Env. Professional

Signature: Dale Woodall Date: 3/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

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: _____

TETRA TECH

March 20, 2023

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Release Characterization and Closure Report
Devon Energy Production Company
Red Bull 29 CTB 2 Release
Unit Letter O, Section 29, Township 23 South, Range 35 East
Lea County, New Mexico
DOR: 9/23/2022
Incident ID: NAPP2226924595

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by Devon Energy Production Company (Devon) to assess a release that occurred at the Red Bull 29 Central Tank Battery (CTB) 2 (Site) due to a leak developing on a line causing fluid release. The release footprint is entirely on pad and is located in Public Land Survey System (PLSS) Unit Letter O, Section 29, Township 23 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.271062°, -103.385277°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Appendix A), the release was discovered on September 23, 2022. The release occurred as the result of a leak developing on a line causing fluid release. This release consisted of approximately 10 barrels (bbls) of crude oil, of which 10 bbls were recovered as part of the initial response activities. Based on the spill volume calculator accompanying the Form C-141, the release affected an area of approximately 1,125 square feet and was estimated to have only saturated the top 16 inches of the caliche pad. The Form C-141 Initial Report was submitted to and received by The New Mexico Oil Conservation District (NMOCD) on October 6, 2022, who subsequently assigned the release event Incident ID NAPP2226924595.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.0029 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

The Site is within a New Mexico oil and gas production area. According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within a ½ mile (800 meters) of the Site and the closest well with a documented depth to groundwater is 0.62 miles (998 meters) from the Site. This one well has a depth to water which is documented at 320 feet below ground surface (bgs).

Tetra Tech
901 West Wall St., Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

As the available water level information is from a well farther than ½ mile away from the site, Tetra Tech contacted NMOCD representative Jennifer Nobui on October 24, 2022 to discuss the usage of data from a water well outside of the ½-mile radius for site characterization purposes. Jennifer Nobui informed Tetra Tech that, although it is beyond the ½-mile limit, the NMOCD will accept the depth to groundwater data from the above-mentioned well since 0.62 miles is within their "discretionary limit". The site characterization data as well as a written brief pertaining to the NMOCD correspondence is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint (on-pad location) and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride in soil.

Based on the site characterization, established depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	RRAL
Chloride	20,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

SITE ASSESSMENT SUMMARY

On October 12, 2022, Tetra Tech conducted initial assessment activities to delineate the release extent and confirm the efficacy of the remedial activities conducted during the initial response. A total of six (6) hand auger borings (AH-1 through AH-6) were installed in and around the release footprint to achieve vertical and horizontal delineation of the on-pad release. A total of four (4) hand auger borings (AH-1 through AH-4) were installed around the perimeter of the release extent to a depth of 1 foot bgs to establish the lateral extent of impact. The remaining borings (AH-5 and AH-6) were installed within the release footprint to determine the vertical extent impact to depths of 1 and 4 feet bgs, respectively. The approximate release extent and the locations of the 6 hand auger borings are indicated in Figure 3. Photographic documentation of the Site conditions at the time of the assessment is presented in Appendix D.

A total of nine (9) samples were collected from the 6 borings and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chloride by Method SM4500Cl-B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

SUMMARY OF SAMPLING RESULTS

Results from the October 12, 2022 soil sampling event are summarized in Table 1. The analytical results associated with boring locations AH-5 and AH-6 exceeded the Site specific RRAL for TPH (GRO+DRO) (1,000 mg/kg) to the boring depth of 1-foot bgs. Additionally, the boring location AH-5 exceeded the Site specific RRAL for BTEX (50 mg/kg) at the boring depth of 1-foot bgs. No sample results exceeded the Site RRAL for chloride (20,000 mg/kg). The results associated with the remainder of analyzed samples were below the Site RRALs for chloride, TPH, and BTEX. Based on the analytical results from the October 12, 2022 sampling event, horizontal and vertical delineation of the release was achieved.

REMEDIATION ACTIVITIES

On February 13, 2023, Devon contracted Tetra Tech to provide oversight and final confirmation sampling associated with the remedial activities to address Incident ID NAPP2226924595. Excavated extents and corresponding depths are indicated in Figure 4.

Impacted soils were excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a minimum depth of 1 foot bgs in between the two separators. Due to safety concerns related to heavy equipment being operated in close proximity to buried/aboveground oil and gas production equipment, Devon elected to excavate the impacted soils underneath the heavily clustered pipe rack via hand digging. This area was hand dug to the maximum extent practicable of approximately 1 foot bgs. The final square footage of the excavated extent was approximately 815 square feet, and approximately 35 cubic yards of material was hauled off for disposal. Excavated soils were transported offsite and disposed of at an NMOCD-approved or permitted facility.

During excavation Tetra Tech provided 48-hour notification of confirmation sampling to NMOCD, as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC. The correspondence with NMOCD is included as Appendix E. On February 15, 2023, Tetra Tech personnel collected composite confirmation bottom and sidewall samples for verification of remedial activities with no sample being representative of more than 200 square feet in accordance with Subsection D,19.15.29.12 NMAC. The confirmation sampling locations are indicated in Figure 5.

A total of five (5) confirmation soil samples were collected, transferred under chain of custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 45300.0. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

Results from the February 15, 2023, sampling event are summarized in Table 2. The analytical results associated with the confirmation samples, floor and sidewall, were all below the Site RRALs for chloride, TPH, and BTEX. Photographic documentation of the remediated area prior to backfilling is included in Appendix C.

SITE RECLAMATION AND RESTORATION PLAN

In accordance with 19.15.29.13 NMAC, Devon backfilled the area to resemble pre-release conditions. As the entirety of the proposed remediation area is on an active lease pad within an oil and gas production area, final reclamation will occur once the lease pad is no longer being used for oil and gas production. Therefore, seeding of the release area is deemed unnecessary until the end of the life of the lease pad.

CLOSURE REQUEST

Based on the results of the site assessment, remedial activities, and subsequent sampling, Devon Energy Production Company respectfully requests closure of the incident. All analytical results associated with the final confirmation sampling were below applicable Site RRALs and comply with NMOCD closure criteria for sites of this characterization. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC following the remedial activities. There are no anticipated risks to human, ecological or hydrological receptors at the release site. Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are included in Appendix A.

If you have any questions concerning the soil assessment or the remedial activities for the Site, please call me at (432) 210-6952 or Christian at (512) 565-0190.

Sincerely,

Tetra Tech, Inc.

Joe Tyler
Project Manager

Christian M. Llull, P.G.
Program Manager

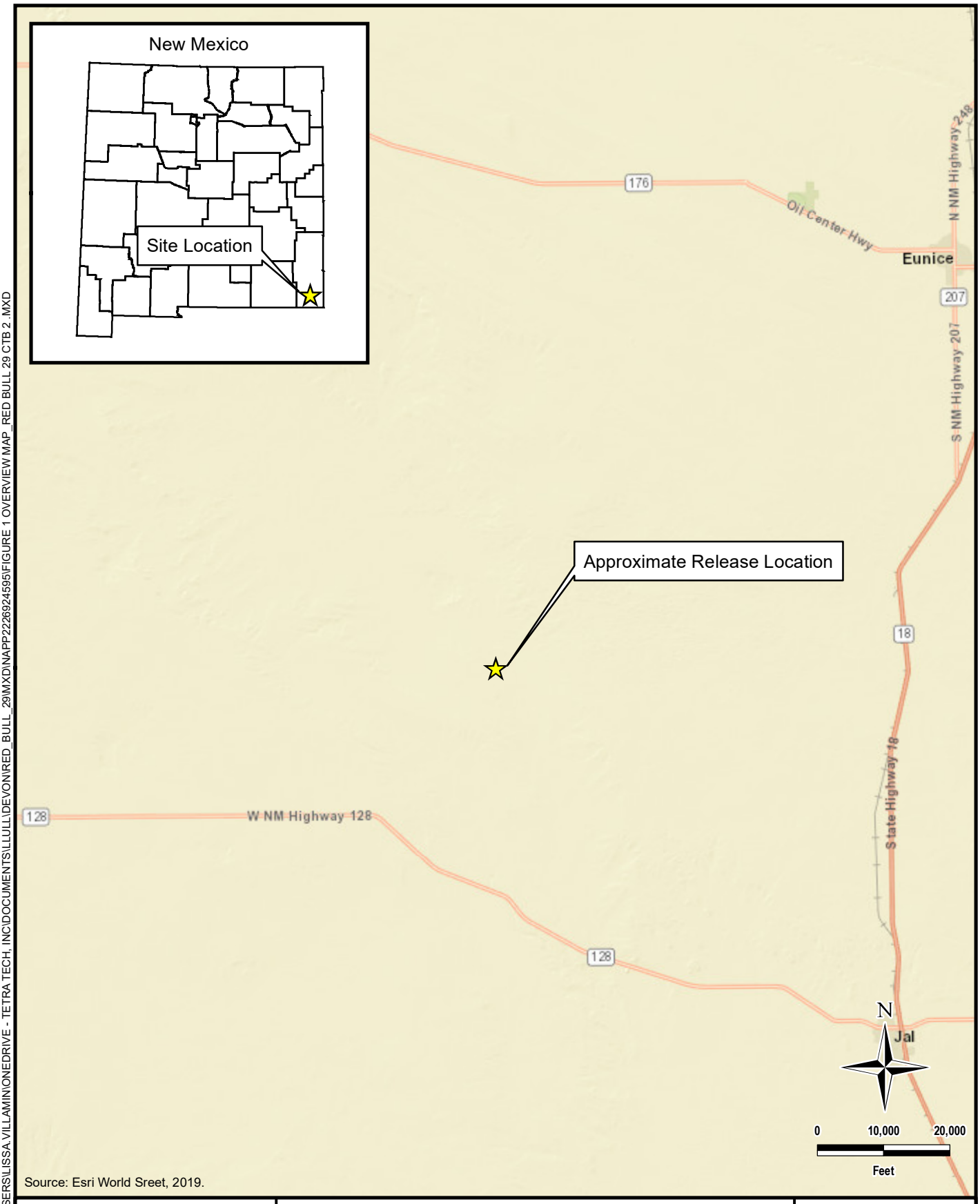
LIST OF ATTACHMENTS

Figures:

Tables:

Appendices:

FIGURES



Source: Esri World Sreet, 2019.

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\DEVON\RED_BULL_29\MXD\NAPP2226924595\FIGURE 1 OVERVIEW MAP_RED BULL 29 CTB 2 .MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

DEVON ENERGY CORPORATION

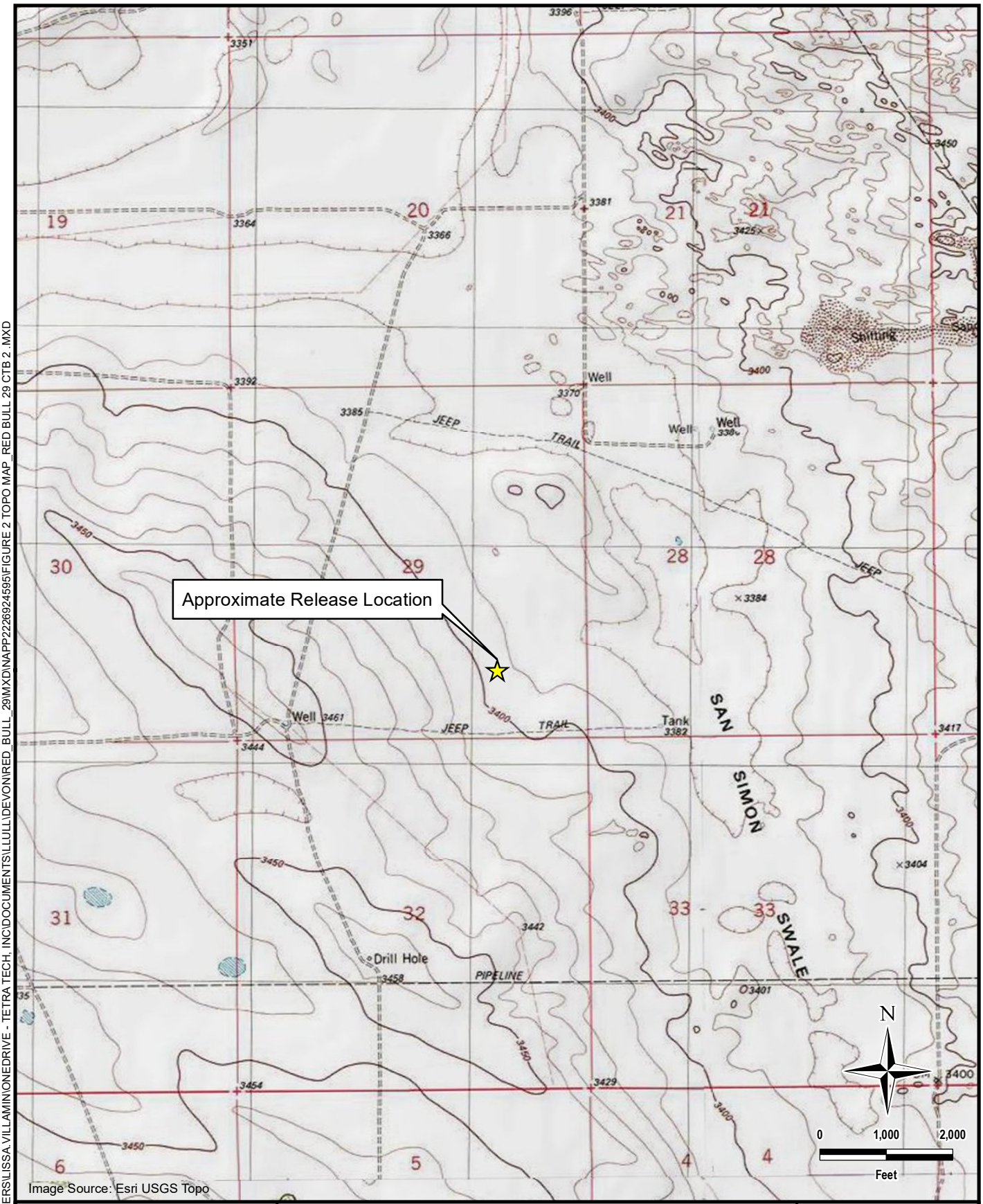
NAPP2226924595
(32.271447°, -103.385472°)
LEA COUNTY, NEW MEXICO
DOR: 9/23/2022

RED BULL 29 CTB 2 RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02865
DATE:	MARCH 13, 2023
DESIGNED BY:	LMV

Figure No.
1

26924595



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TETRA TECH
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DEVON ENERGY CORPORATION

NAPP2226924595
(32.271447°, -103.385472°)
LEA COUNTY, NEW MEXICO
DOR: 9/23/2022

RED BULL 29 CTB 2 RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02865
DATE:	MARCH 13, 2023
DESIGNED BY:	LMV

Figure No.
2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\DEVON\RED_BULL_29\MXD\NAPP2226924595\FIGURE 3 ASSESSMENT AND RELEASE_RED BULL 29 CTB 2.MXD

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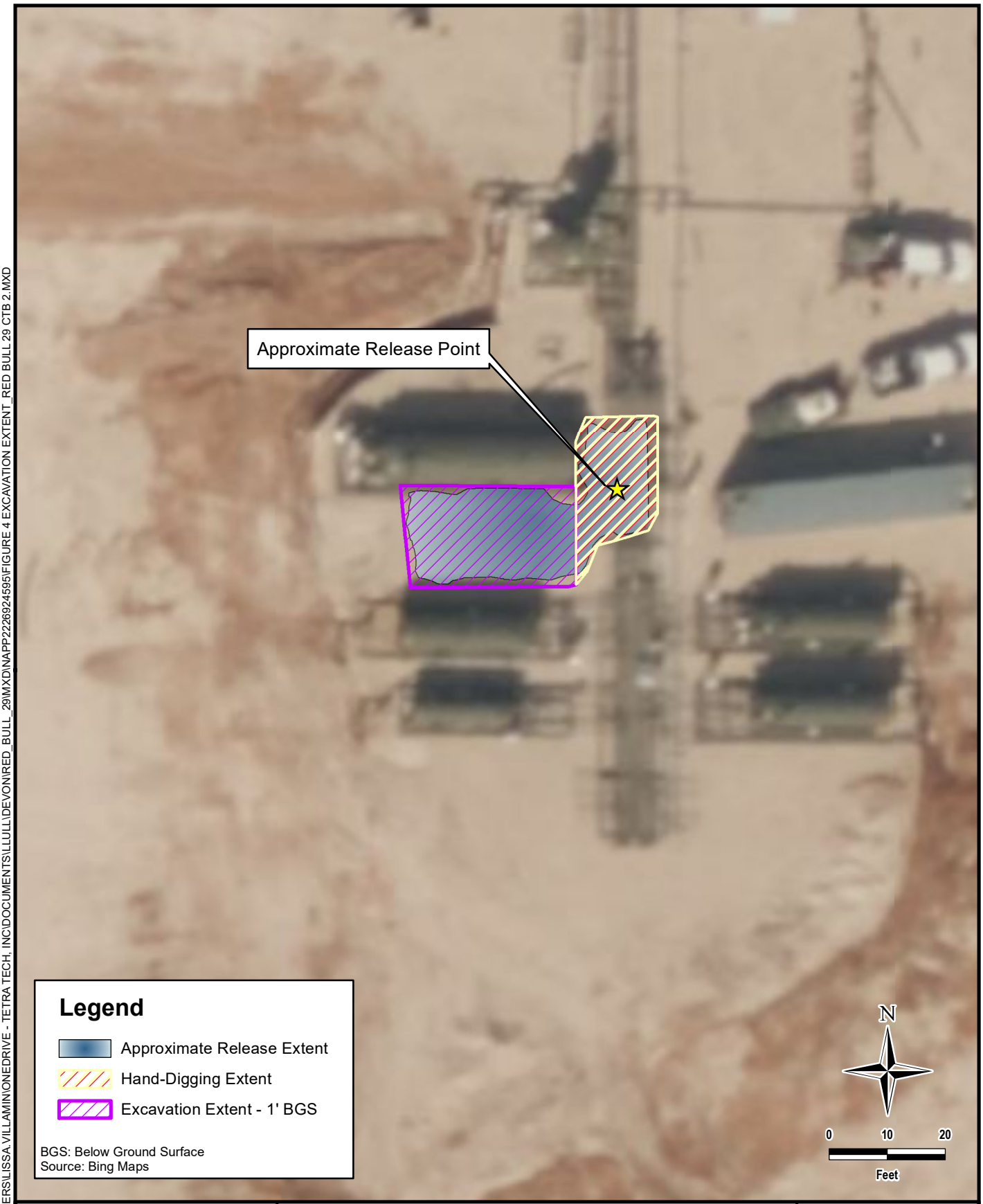
DEVON ENERGY CORPORATION

NAPP2226924595
(32.271447°, -103.385472°)
LEA COUNTY, NEW MEXICO
DOR: 9/23/2022

RED BULL 29 CTB 2 RELEASE
INITIAL ASSESSMENT AND RELEASE EXTENT

PROJECT NO.:	212C-MD-02865
DATE:	MARCH 13, 2023
DESIGNED BY:	LMV

Figure No.
3



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\DEVON\RED_BULL_29\MXD\NAPP2226924595\FIGURE 4 EXCAVATION EXTENT_RED BULL 29 CTB 2.MXD

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Phone: (432) 682-4559
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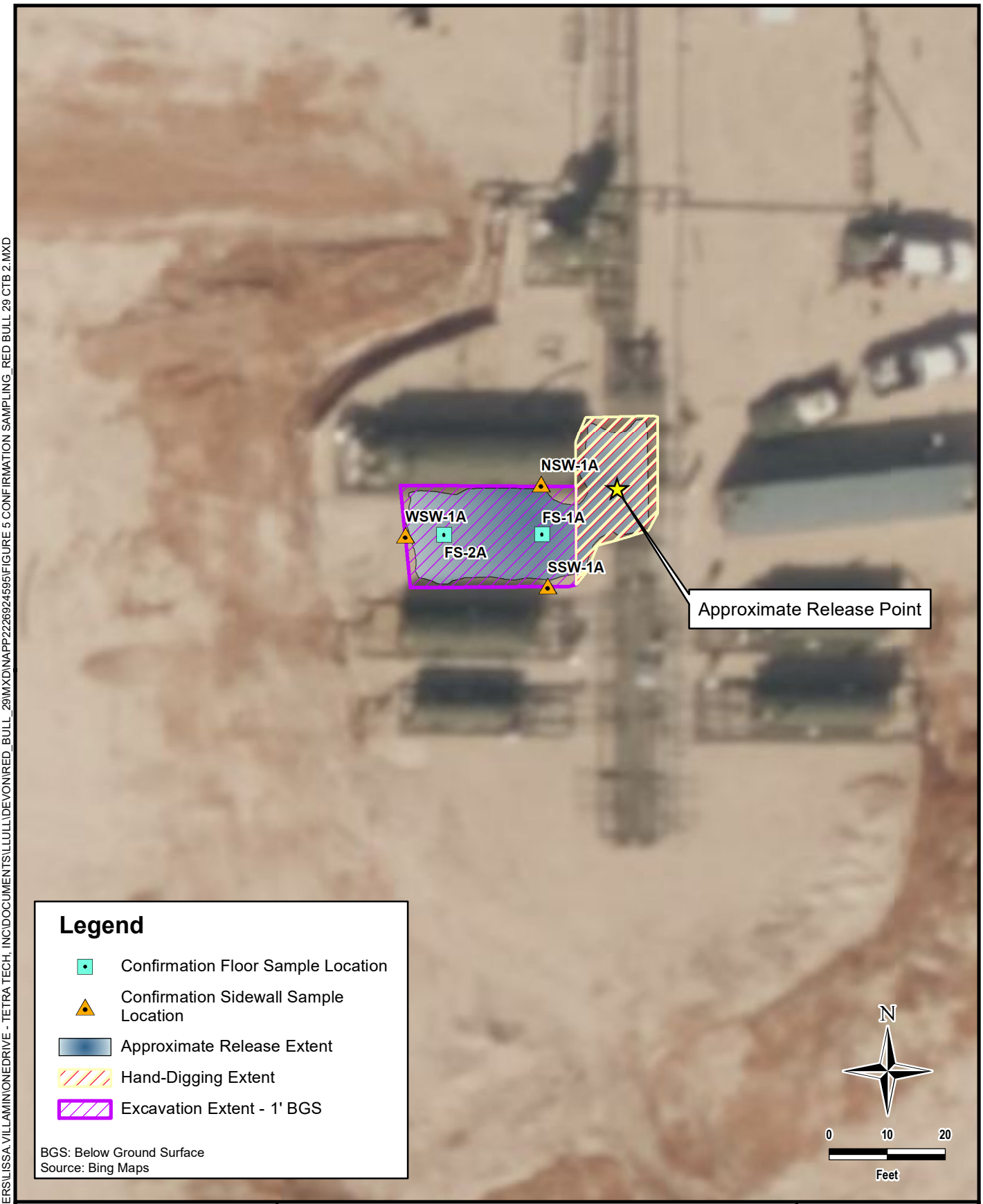
DEVON ENERGY CORPORATION

NAPP2226924595
(32.271447°, -103.385472°)
LEA COUNTY, NEW MEXICO
DOR: 9/23/2022

RED BULL 29 CTB 2 RELEASE
EXCAVATION EXTENT

PROJECT NO.:	212C-MD-02865
DATE:	MARCH 13, 2023
DESIGNED BY:	LMV

Figure No.
4



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\DEVON\RED_BULL_29\MXD\NAPP2226924595\FIGURE 5 CONFIRMATION SAMPLING_RED BULL 29 CTB 2.MXD

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901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

DEVON ENERGY CORPORATION

NAPP2226924595
(32.271447°, -103.385472°)
LEA COUNTY, NEW MEXICO
DOR: 9/23/2022

RED BULL 29 CTB 2 RELEASE CONFIRMATION SAMPLING

PROJECT NO.:	212C-MD-02865
DATE:	MARCH 13, 2023
DESIGNED BY:	LMV

Figure No.

5

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2226924595
DEVON ENERGY
RED BULL 29 CTB 2 RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO > C_{10} - C_{28}		EXT DRO > C_{28} - C_{36}		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	10/12/2022	0-1	120	5.0	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		<10.0		<10.0		-	
AH-2	10/12/2022	0-1	100	0.2	96		<0.050		< 0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-3	10/12/2022	0-1	200	1.3	176		<0.050		< 0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-4	10/12/2022	0-1	300	0.3	336		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-5	10/12/2022	0-1	-	>400	4,000		5.73		35.7		30.1		118		***189***		***2,400***		***15,200***		***2,590***		***20,190***	
AH-6	10/12/2022	0-1	-	>400	112		<0.050		0.413		1.17		5.27		6.85		***91.4***		***1,080***		***183***		***1,354***	
		1-2	-	201	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		131		25.9		157	
		2-3	-	230	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		183		25.7		209	
		3-4	32.6	35.7	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		18.2		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs

QUALIFIERS:

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - NAPP2226924595
DEVON ENERGY
RED BULL 29 CTB 2 RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]	BTEX[2]										TPH[3]							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
														C_6 - C_{10}		> C_{10} - C_{28}		> C_{28} - C_{36}		(GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
FS-1A	2/15/2023	1.0	96.0	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-2A	2/15/2023	1.0	64.0	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-1A	2/15/2023	-	48.0	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1A	2/15/2023	-	96.0	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-1A	2/15/2023	-	48.0	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs

QUALIFIERS:

APPENDIX A
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		

Form C-141
Page 2

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 Ruiz Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/06/2022

Spill Volume(Bbls) Calculator *Inputs in blue, Outputs in red*		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
45	25.000	0.043
Cubic Feet of Soil Impacted		48.375
Barrels of Soil Impacted		8.62
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		1.29
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		1.29
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
45	25.000	0.043
Standing fluid		8.604
Total fluids spilled		**9.897**

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 149268
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	10/6/2022

Incident ID	
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?	_____ (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.

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State of New Mexico
Oil Conservation Division

Incident ID	
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: Env. Professional

Signature: Dale Woodall Date: 3-20-2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: Env. Professional

Signature: Dale Woodall Date: 3/20/2023

email: dale.woodall@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: 04/26/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX B
Site Characterization Data

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 652056.316 **Northing (Y):** 3571655.831 **Radius:** 800

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00614 POD2	CP	LE	4	3	3	29	23S	35E	651102	3571401	998	440	320	120

Average Depth to Water: **320 feet**

Minimum Depth: **320 feet**

Maximum Depth: **320 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 652077.391 **Northing (Y):** 3571616.737 **Radius:** 1000

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00614 POD2	CP	LE	4	3	3	29	23S	35E	651102	3571401	987	440	320	120
CP 01099 POD3	CP	LE	1	1	1	28	23S	35E	652478	3572932	1344	930	725	205
CP 01100 POD3	CP	LE	3	2	1	28	23S	35E	652987	3572726	1418	950	730	220
CP 01100 POD2	CP	LE		2	1	28	23S	35E	652995	3572726	1423	750	125	625
CP 01099 POD2	CP	LE	3	3	3	21	23S	35E	652968	3572750	1425	750	120	630

Average Depth to Water: **404 feet**

Minimum Depth: **120 feet**

Maximum Depth: **730 feet**

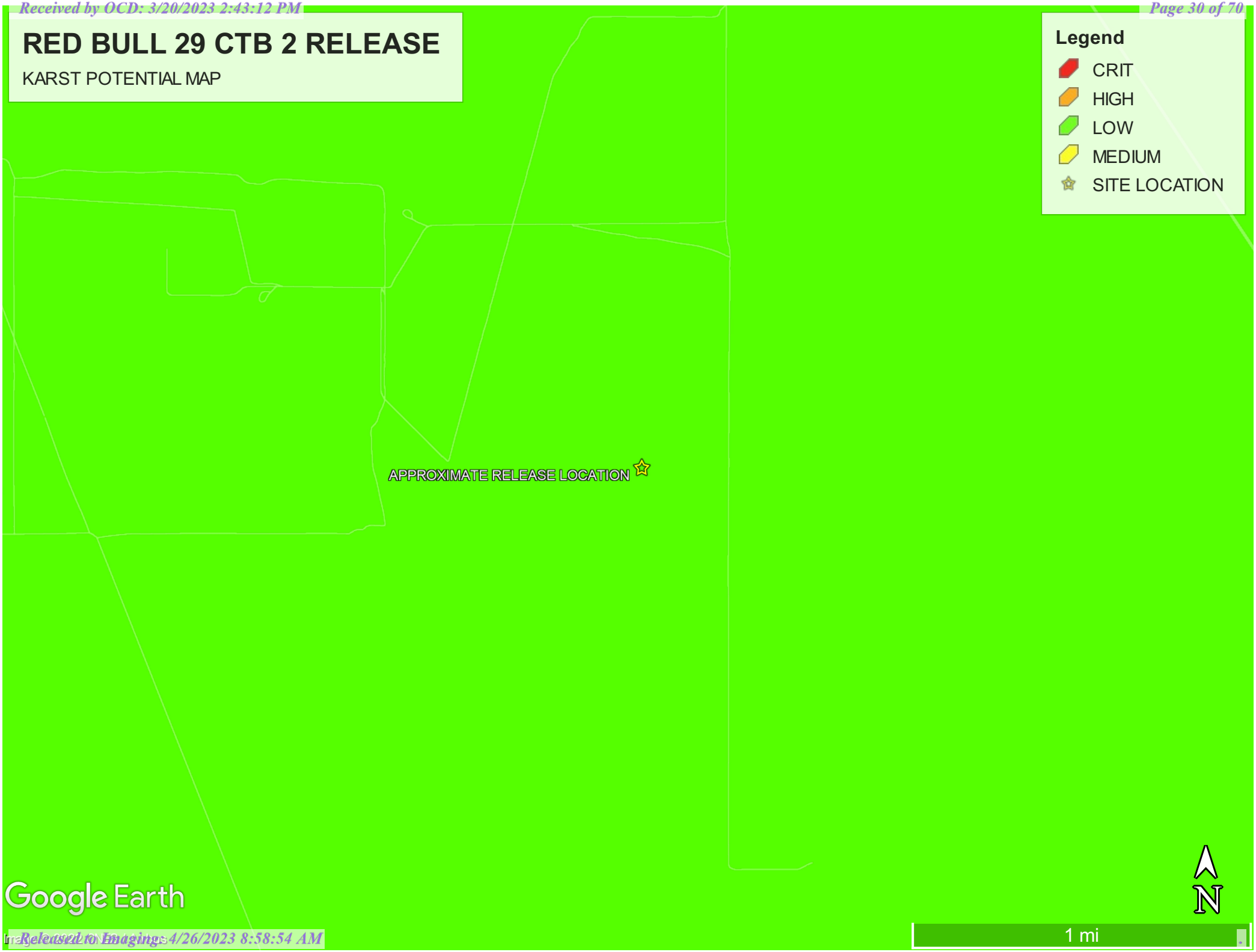
Record Count: 5

UTMNAD83 Radius Search (in meters):

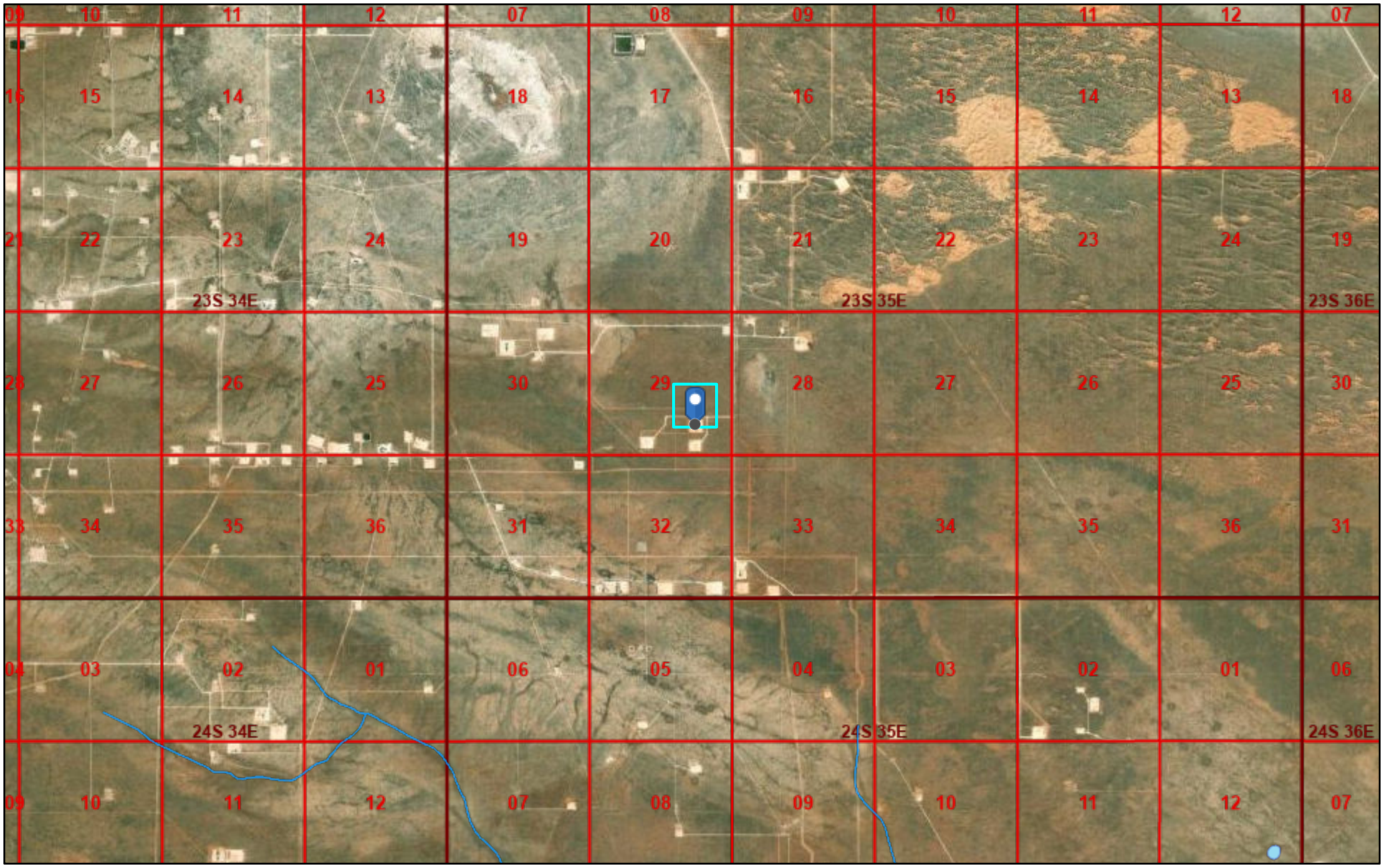
Easting (X): 652056.316 **Northing (Y):** 3571655.831 **Radius:** 1600

RED BULL 29 CTB 2 RELEASE

KARST POTENTIAL MAP



NMOCD Waterbodies Map



10/18/2022, 5:21:27 PM

OSW Water Bodys

OSE Streams

PLSS First Division

PLSS Townships

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Esri, HERE, Garmin, Earthstar Geographics, NM OSE, BLM

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

APPENDIX C
Laboratory Analytical Data

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 18, 2022

DALE WOODALL

Devon Energy Corp- Artesia

P.O. Box 250

Artesia, NM 88211

RE: RED BULL 29 CTB2 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/22 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 (0'-1') (H224810-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *84.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *103 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 2 (0'-1') (H224810-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *80.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *96.8 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 3 (0'-1') (H224810-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *78.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.2 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 4 (0'-1') (H224810-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *84.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 5 (0'-1') (H224810-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**5.73**	1.00	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	**35.7**	1.00	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	**30.1**	1.00	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	**118**	3.00	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	**189**	6.00	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *132 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4000**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**2400**	50.0	10/17/2022	ND	220	110	200	0.724	
DRO >C10-C28*	**15200**	50.0	10/17/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	**2590**	50.0	10/17/2022	ND					

Surrogate: 1-Chlorooctane *566 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *623 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 6 (0'-1') (H224810-06)

BTEX 8021B mg/kg Analyzed By: JH/ S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	**0.413**	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	**1.17**	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	**5.27**	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	**6.85**	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *166 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**91.4**	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	**1080**	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	**183**	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *90.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *147 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 6 (1'-2') (H224810-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	**131**	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	**25.9**	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *97.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *123 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 6 (2'-3') (H224810-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	10/15/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	220	110	200	0.724	
DRO >C10-C28*	**183**	10.0	10/14/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	**25.7**	10.0	10/14/2022	ND					

Surrogate: 1-Chlorooctane *96.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *128 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Devon Energy Corp- Artesia
DALE WOODALL
P.O. Box 250
Artesia NM, 88211
Fax To: (505) 746-9072

Received:	10/13/2022	Sampling Date:	10/12/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB2 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 6 (3'-4') (H224810-09)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.87	93.7	2.00	10.4	
Toluene*	<0.050	0.050	10/15/2022	ND	1.88	94.0	2.00	9.36	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	9.10	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.64	94.1	6.00	8.85	
Total BTEX	<0.300	0.300	10/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/15/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2022	ND	220	110	200	0.724	
DRO >C10-C28*	**18.2**	10.0	10/15/2022	ND	227	113	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	10/15/2022	ND					

Surrogate: 1-Chlorooctane *94.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *115 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Devon Energy Corp
Project Manager:	Dale Woodall
Address:	dale.woodall@dvn.com
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	Red Bull 29 CTB2 Release
Project Location:	Lea County, NM
Sampler Name:	Jim Tyler w/ TK

BILL TO

P.O. #:	21080164
Company:	Devon Energy
Attn:	Dale Woodall
Address:	same
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	BTEX	Chlorides
H224810																	
1	AH-1 (0'-1')	G	1			X					X		10-13	1500	X	X	X
2	AH-2 (0'-1')													1510			
3	AH-3 (0'-1')													1520			
4	AH-4 (0'-1')													1530			
5	AH-5 (0'-1')													1540			
6	AH-6 (0'-1')													1550			
7	AH-6 (1'-2')													1555			
8	AH-6 (2'-3')													1600			
9	AH-6 (3'-4')													1610			

Relinquished By:	Date: 10-13-2022	Received By:	
	Time: 0900		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 1.9
Corrected Temp. °C 1.3

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 17, 2023

JOE TYLER

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RED BULL 29 CTB 2 RELEASE (nAPP2226924595)

Enclosed are the results of analyses for samples received by the laboratory on 02/15/23 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
JOE TYLER
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/15/2023	Sampling Date:	02/15/2023
Reported:	02/17/2023	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB 2 RELEASE (nAPP2226	Sampling Condition:	Cool & Intact
Project Number:	DEVON	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: FS - 1A (H230718-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.01	101	2.00	2.18	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	102	2.00	2.17	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.02	100	6.00	0.931	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	02/16/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.12	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	194	96.8	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
JOE TYLER
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/15/2023	Sampling Date:	02/15/2023
Reported:	02/17/2023	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB 2 RELEASE (nAPP2226	Sampling Condition:	Cool & Intact
Project Number:	DEVON	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: FS - 2A (H230718-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	4.63	
Toluene*	<0.050	0.050	02/17/2023	ND	2.23	111	2.00	5.81	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.21	110	2.00	5.73	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.83	114	6.00	6.00	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/16/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	212	106	200	2.67	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	194	96.9	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					

Surrogate: 1-Chlorooctane *93.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
JOE TYLER
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/15/2023	Sampling Date:	02/15/2023
Reported:	02/17/2023	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB 2 RELEASE (nAPP2226	Sampling Condition:	Cool & Intact
Project Number:	DEVON	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: NSW - 1A (H230718-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	4.63	
Toluene*	<0.050	0.050	02/17/2023	ND	2.23	111	2.00	5.81	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.21	110	2.00	5.73	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.83	114	6.00	6.00	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/16/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	212	106	200	2.67	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	194	96.9	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
JOE TYLER
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/15/2023	Sampling Date:	02/15/2023
Reported:	02/17/2023	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB 2 RELEASE (nAPP2226	Sampling Condition:	Cool & Intact
Project Number:	DEVON	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: WSW - 1A (H230718-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	4.63	
Toluene*	<0.050	0.050	02/17/2023	ND	2.23	111	2.00	5.81	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.21	110	2.00	5.73	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.83	114	6.00	6.00	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	02/16/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					

Surrogate: 1-Chlorooctane *91.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
JOE TYLER
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/15/2023	Sampling Date:	02/15/2023
Reported:	02/17/2023	Sampling Type:	Soil
Project Name:	RED BULL 29 CTB 2 RELEASE (nAPP2226	Sampling Condition:	Cool & Intact
Project Number:	DEVON	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SSW - 1A (H230718-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	4.63	
Toluene*	<0.050	0.050	02/17/2023	ND	2.23	111	2.00	5.81	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.21	110	2.00	5.73	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.83	114	6.00	6.00	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/16/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					

Surrogate: 1-Chlorooctane *94.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Devon Energy Corp
Project Manager:	Dale Woodall
Address:	dale.woodall@dvn.com
City:	State: Zip:
Phone #:	(405) 318-4697 Fax #:
Project #:	Project Owner:
Project Name:	Red Bull 29 CTB 2 Release (NAPP2226924585)
Project Location:	Lea County, NM
Sampler Name:	Joe Tyler

BILL TO

P.O. #:	21080164
Company:	Devon Energy
Attn:	Dale Woodall
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	TPH	BTEX
HZ30718																	
1	FS-1A	G	1			X					X		2-15	1200	X	X	X
2	FS-2A													1220			
3	NSW-1A													1230			
4	WSW-1A													1250			
5	SSW-1A													1300			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2-15-23	Received By:	
	Time: 1539		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☒ Yes ☐ No Add'l Phone #: (432) 210 6952

All Results are emailed. Please provide Email address: Joe.Tyler@tetratech.com

REMARKS: 48 Hour rush

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 4.9 Corrected Temp. °C 4.3

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JT

Turnaround Time: Standard ☐ Rush ☒

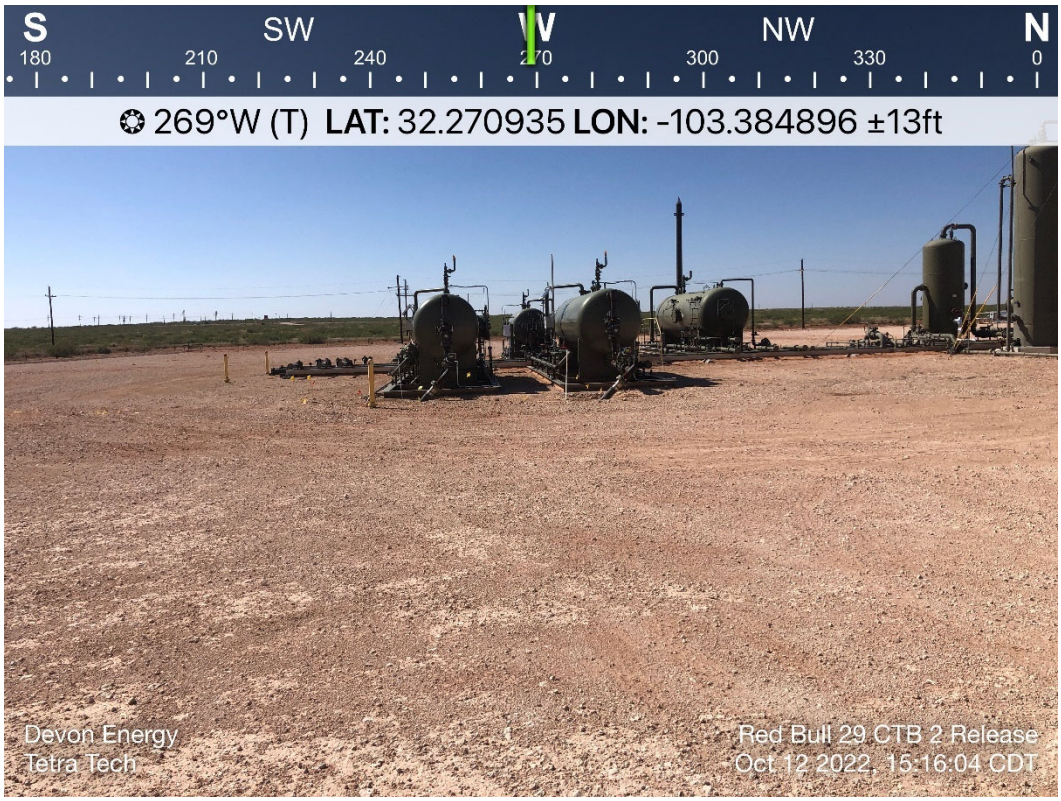
Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.3 07/18/22

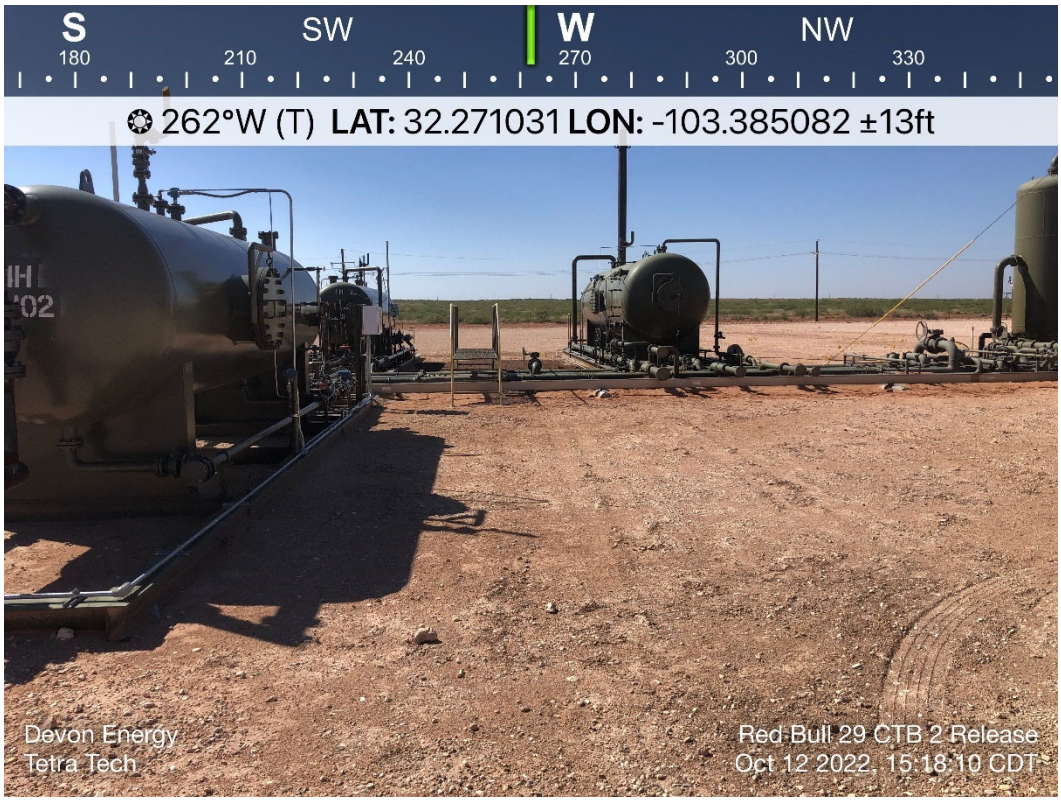
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

APPENDIX D
Photographic Documentation



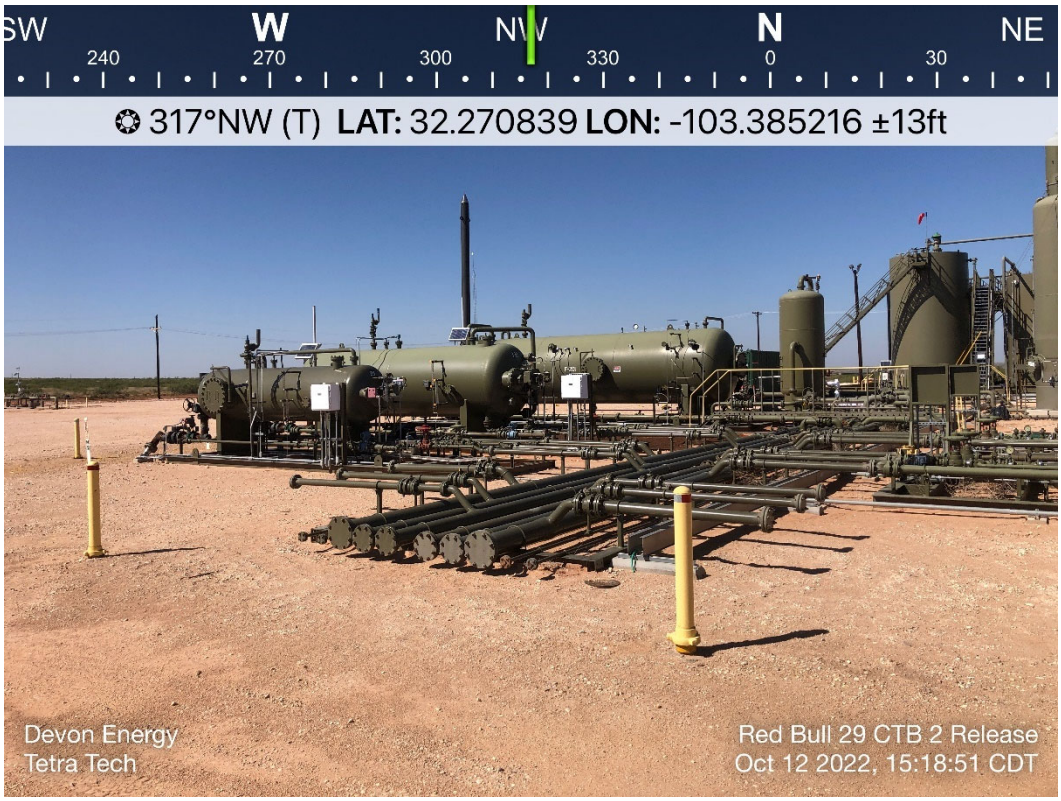
TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View West of the five separators nearest the release.	1
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View towards the eastern side of the release extent.	2
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

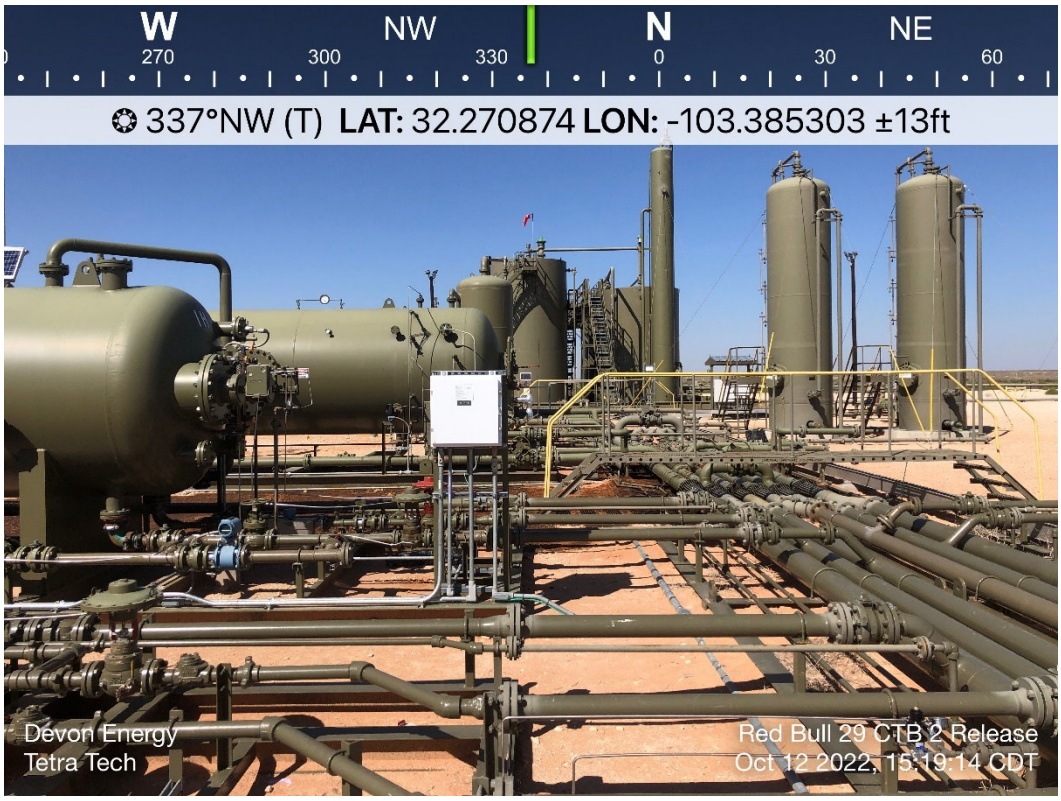


TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View towards the eastern side of the release extent.	3
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View north towards the release extent from the southern edge of the pad.	4
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View north towards the release extent from the southern edge of the pad.	5
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

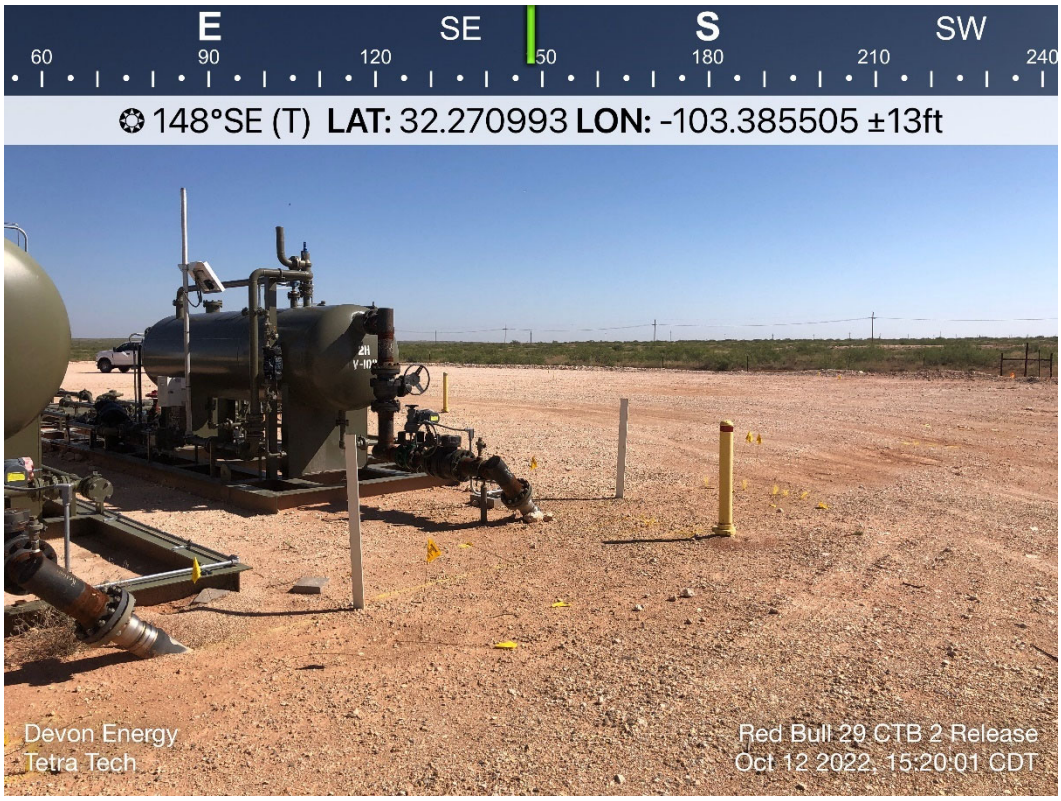


TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View north towards the release extent from the south.	6
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View east of the release extent.	7
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

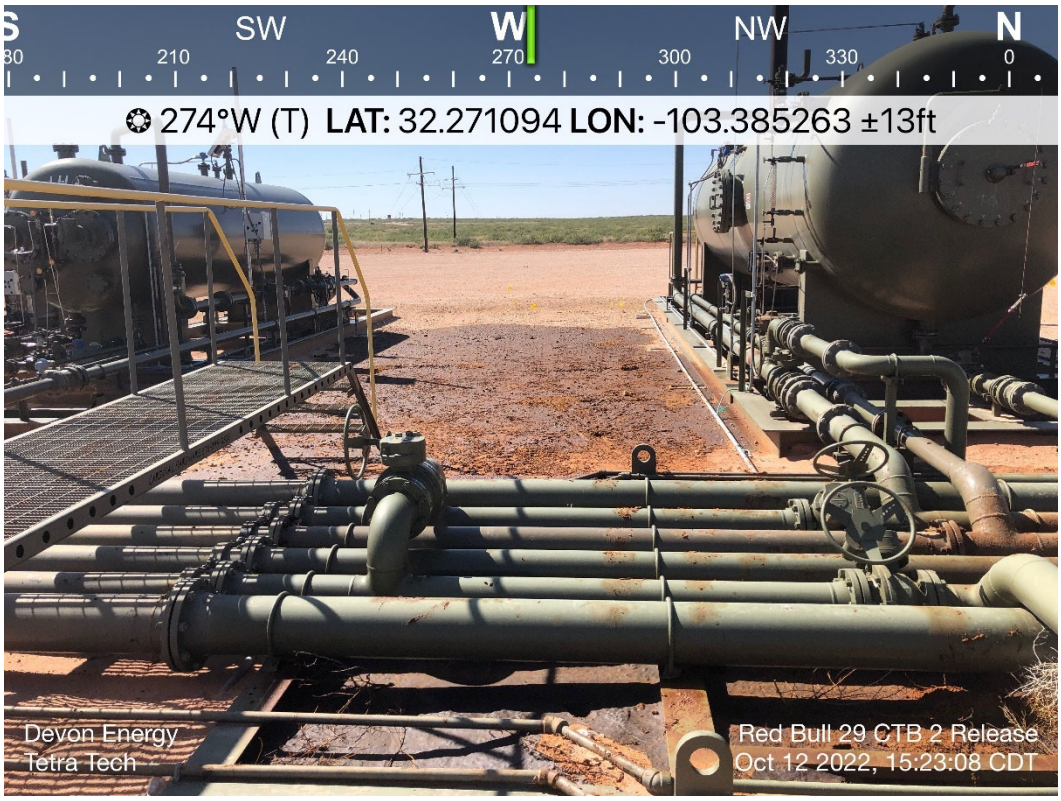
TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the area to the northwest of the release extent.	8
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the area to the south of the release extent.	9
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the area to the south of the release extent.	10
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

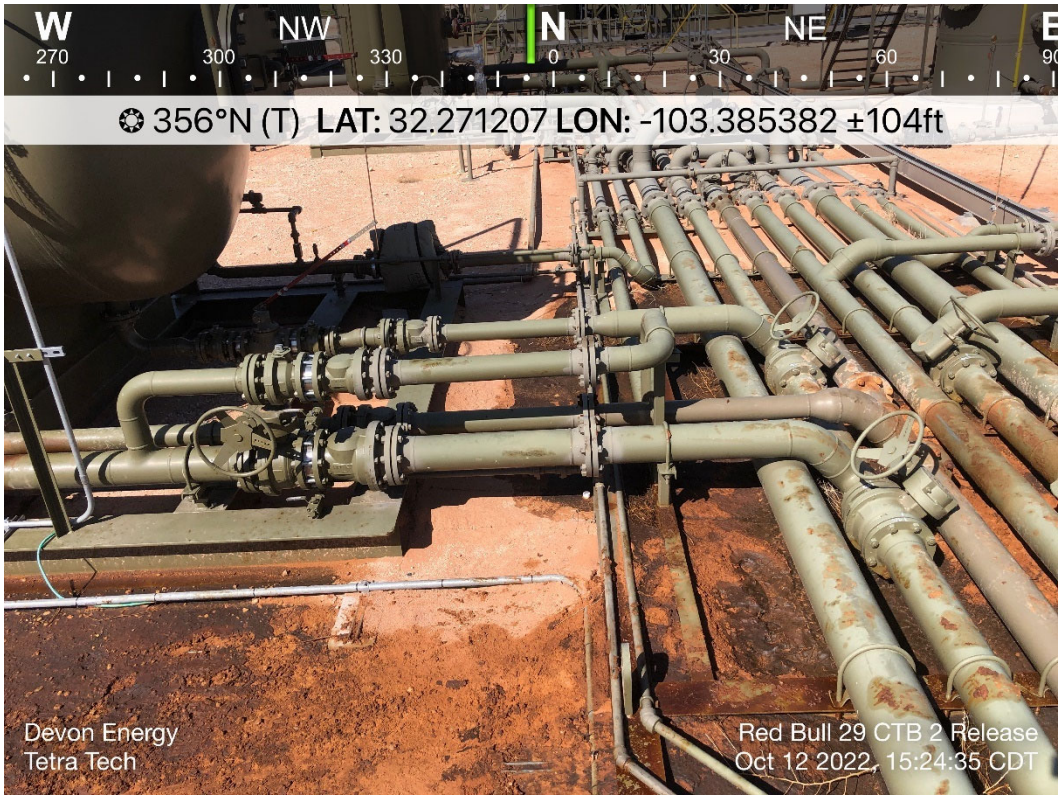
TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the west of the release extent from the bridge crossing the pipe racks.	11
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022



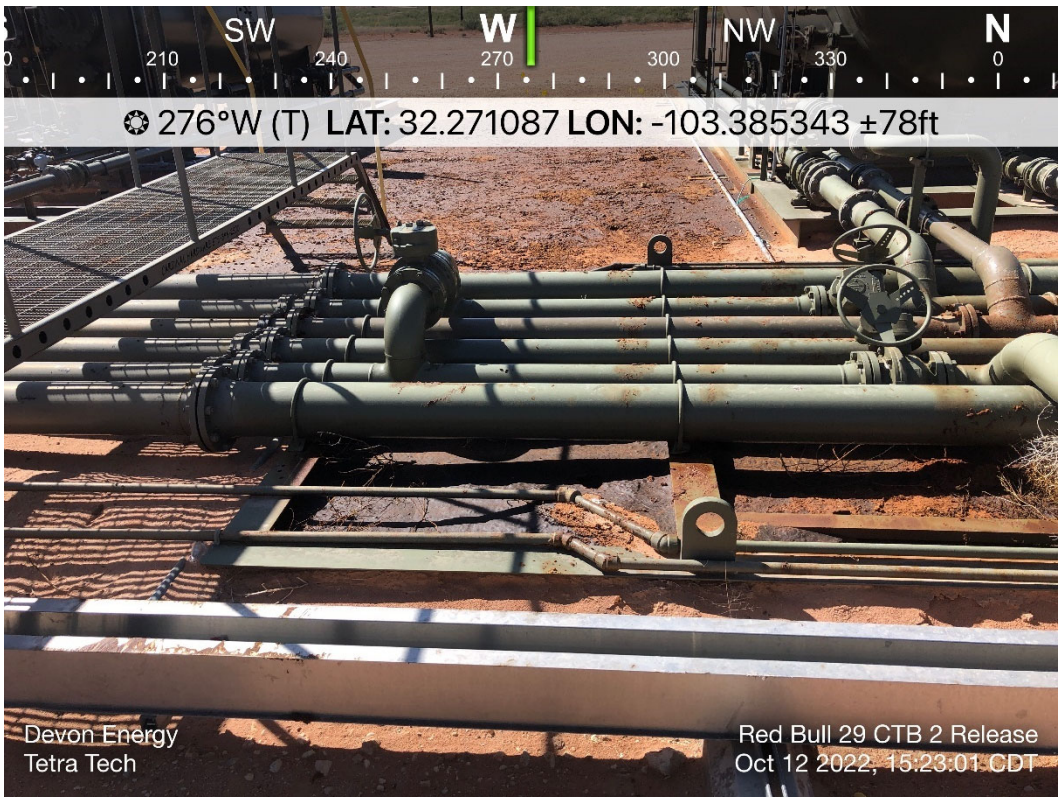
TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the west of the release extent and pipe racks.	12
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the south of the release crossing underneath the pipe racks.	13
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the north of the release crossing underneath the pipe racks from the bridge crossing.	14
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the north of the release crossing underneath the pipe racks from the bridge crossing.	15
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View to the west of the release extent and pipe racks.	16
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	10/12/2022

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	17
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	18
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	19
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	20
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	21
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-02865	DESCRIPTION	View of the excavation extent prior to backfilling.	22
	SITE NAME	Devon Energy Corporation Red Bull 29 CTB 2 Release NAPP2226924595	2/15/2023

APPENDIX E
NMOCD Correspondence

October 24, 2022

On October 24th, Joe Tyler with Tetra Tech spoke with NMOCD rep Jennifer Nobui to discuss a water well that was located past the State requested 0.50-mile radius from the Site. She informed us that since the water well in question is only 0.62 miles away, it is within their "discretionary" limit so it should be fine using this water well for our depth to groundwater characterization and to submit the workplan using that well data (CP 00614 POD2).

Joe Tyler
Tetra Tech

Tyler, Joe

From: Tyler, Joe
Sent: Tuesday, February 14, 2023 4:26 PM
To: ocd.enviro@state.nm.us
Subject: Incident ID: NAPP2226924595 - Confirmation Sampling

Incident ID (n#) **NAPP2226924595**

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities are beginning at the site, Tuesday, February 14, 2023.

Thus, on behalf of Devon Energy for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site the week of February 17, 2023.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Thank you,
Joe

Joe Tyler | Senior Staff Geologist | Tetra Tech
Mobile **+1 (432) 210-6952** | joe.tyler@tetratech.com

Tyler, Joe

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, February 16, 2023 10:57 AM
To: Tyler, Joe
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Incident ID: NAPP2111338900 - Confirmation Sampling

Follow Up Flag: Follow up
Flag Status: Flagged

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Joe,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Tyler, Joe <Joe.Tyler@tetratech.com>
Sent: Tuesday, February 14, 2023 3:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Incident ID: NAPP2111338900 - Confirmation Sampling

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Incident ID (n#) **NAPP2111338900**

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities are beginning at the site, Tuesday, February 14, 2023.

Thus, on behalf of Devon Energy for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site the week of February 17, 2023.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Thank you,
Joe

Joe Tyler | Senior Staff Geologist | Tetra Tech
Mobile **+1 (432) 210-6952** | joe.tyler@tetratech.com

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 198955

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198955
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/26/2023