



May 21, 2022

District Supervisor
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, NM 88420

**Re: Closure Report
ConocoPhillips
Leamex 9 Flowline Release
Unit Letter O, Section 16, Township 17 South, Range 33 East
Lea County, New Mexico
Incident ID nAPP2110534368**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred due to a flowline leak approximately 40 yards west of the Leamex #009 well (API #30-025-01435). The release footprint is located in Public Land Survey System (PLSS) Unit Letter O, Section 16, Township 17 South, Range 33 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.829188°, -103.666613°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered from a flowline from the Leamex #009 well on April 5, 2021. Approximately 7.7 barrels (bbls) of produced water and 3.1 bbls of oil were released, of which 2 bbls of produced water and no oil were reported recovered. The New Mexico Oil Conservation Division (NMOCD) received the C-141 report form for the release on May 7, 2021. The release was subsequently assigned the Incident ID for this release is nAPP2110534368. The Leamex 9 Flowline Release extent is shown in Figure 3.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.09 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential. According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells located within an 800-meter (approximately ½-mile) radius of the release location. The radius search was expanded to 1250 meters (approximately ¾-mile), indicating two water wells present with the average depth to ground water at 190 feet (ft) below ground surface (bgs).

The remediation action levels proposed for the site are largely dependent upon depth to groundwater. As such, the OCD focuses upon depth to water estimation. Thus, 19.15.11(A)(2) NMAC allows for various means of determining depth to groundwater.

For this release, as the available water level information was from a well further than ½ mile away from the Site and the data was more than 25 years old, COP elected to drill a boring associated with the assessment (BH-1) to depth for groundwater verification. On August 19, 2021, a licensed well drilling subcontractor was onsite to a drill this borehole to 55 feet bgs. The borehole was located just outside the reported release footprint. The borehole was dry upon completion, and soils were dry from surface to total depth. The depth

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559

Fax 432.682.3946

www.tetrattech.com

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to groundwater in the area was thus verified as greater than 55 feet bgs. The borehole was plugged with 3/8" bentonite chips on August 19, 2021. The borehole coordinates are 32.829285°, -103.666524° and the boring location is indicated on Figure 6 as BH-1. The site characterization data, along with the boring log (BH-1), is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint location, the DTW determination 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 chlorides in soil.

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

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

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

Constituent	Reclamation Requirement
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

INITIAL RESPONSE AND SITE ASSESSMENT

In accordance with 19.15.29.8.B.(4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", ConocoPhillips elected to begin remediation of the impacted area in June 2021. Tetra Tech personnel conducted initial soil assessment and McNabb Partners conducted initial response activities on June 21, 2021. Eight (8) boring locations (H-1 through H-8) were used to collect surface soil samples around the perimeter of the reported release extent. Four (4) boring locations (OS-1 through OS-4) were used to collect soil samples within the reported overspray extent. After samples were collected in the overspray area, this area was treated with Micro-Blaze, a microbial formulation used for bioremediation of hydrocarbons and other organic compounds.

The footprint of the release was scraped to an approximate depth of 6 inches bgs in the southwestern portion, and to 1-foot bgs in the northeastern portion of the release extent to remove the visually impacted soils. Initial response areas are indicated on Figure 4. Approximately 30 cubic yards of impacted material were removed during the initial response activities. Copies of the waste manifests are included in Appendix F. Post-excavation, three (3) floor samples (FS-1 through FS-3) were collected from the interior of the remediated areas. Seven (7) sidewall samples (SW-1 through SW-7) were collected from the perimeter of the remediated area.

Thus, a total of twenty-two (22) samples were collected during the June 2021 activities and were submitted to Pace Analytical in Mount Juliet, Tennessee (Pace) to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8260B. The assessment and initial response sampling locations are shown on Figures 4 and 5, respectively.

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ADDITIONAL SITE ASSESSMENT

After a review of the collected data from the initial response, the release extent required additional characterization. In order to achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted additional soil sampling on August 19, 2021, on behalf of ConocoPhillips. A total of two (2) borings (BH-1 and BH-2) were installed with an air rotary drill rig to complete vertical delineation of the release. Boring location BH-2 was installed within the southwestern excavation. Due to rig access constraints, boring location BH-1 was installed immediately adjacent to the northeastern excavation, near the previously collected sidewall sample location SW-6. A total of three (3) borings (H-9 through H-11) were also installed with hand auger along the perimeter of the release extent. Based on that data, Tetra Tech returned to the Site on September 20, 2021, to collect two (2) additional hand auger samples (H-12 and H-13) in order to complete horizontal delineation of the release to the north. Boring logs, included as Appendix D, present soil descriptions, sample depths, and field screening data from the August 2021 assessment activities. Boring locations are shown in Figure 6.

A total of twenty-six (26) soil samples were collected from the seven (7) boring locations within and surrounding the release extent. These soil samples were sent to Pace to be analyzed for chloride via EPA, TPH, and BTEX.

SUMMARY OF SAMPLING RESULTS

The analytical results associated with the June 2021 sampling event are summarized in Table 1. The analytical results associated with confirmation floor sample locations FS-1, FS-2, and FS-3 were above the reclamation requirements for chloride (600 mg/kg) and TPH (100 mg/kg). At confirmation sidewall locations SW-2, SW-3, SW-4, SW-6, and SW-7, the analytical results were above the reclamation requirements for TPH. Additionally, the analytical results associated with horizontal delineation locations H-1 and H-7 were above the reclamation requirements for TPH. Analytical results associated with the overspray sampling locations (OS-1 through OS-4) were below reclamation requirements.

Results from the August and September 2021 soil sampling events are summarized in Table 3. The analytical results associated with BH-1 and BH-2 sample locations provided vertical delineation. The analytical results from the samples collected from these locations were over applicable RRALs for chloride in the 0–1-foot interval below the existing excavation depth at BH-1, and over both the RRALs for chloride and TPH down to 4 feet bgs at BH-2. The results associated with the additional perimeter sample locations were above the reclamation requirements for TPH in the 0–1-foot interval at H-9 and down to 2 feet bgs at H-10. The analytical results associated with perimeter sample locations H-11, H-12, and H-13 were below Site RRALs for all constituents. Based on the results of the site assessment, this release is considered vertically and horizontally delineated.

REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on January 11, 2022, with fee application payment PO Number H9OYW-220111-C-1410. The Work Plan described the results of the initial response activities, release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Chad Hensley on Wednesday, February 2, 2022, with the following conditions:

- *“Vertical delineation submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC. On closure report show (FS-2) delineation to 4.5 ft minimum or to closure criteria.*
- *Depth to water is not defined in the work plan that meets the standard of OCD. Please provide a bore log or defer to table 1 fifty feet or less criteria.”*

Mr. Hensley was contacted regarding the condition comment regarding depth to water determination. Mr. Hensley noted that as soil boring BH-1 was included in the Work Plan and did establish groundwater, it was an oversight on his part to place the DTW condition and the oversight should be noted in the closure. Mr. Hensley also executed page 4 of the C-141 form included with the Work Plan. A copy of the NMOCD correspondence is included as Appendix C.

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REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From May 5 to May 19, 2022, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Prior to confirmation sampling, on May 2, 2022, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Impacted soils were excavated as proposed in the approved Work Plan. Following initial excavations, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. As prescribed in the approved Work Plan, impacted soils within the vicinity of the surface lines which intersect the release footprint were dug by hand to the maximum extent practicable. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal Laboratories in Hobbs, New Mexico. The soil samples were analyzed for TPH (GRO, DRO and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. Once laboratory analytical results were received, the results were directly compared to the established Site RRALs and reclamation requirements for soils above 4 feet bgs to demonstrate compliance. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D.

Initial confirmation sample analytical results associated with locations NSW-1, ESW-4, ESW-5, ESW-6, ESW-7, WSW-2, and WSW-5 exceeded the reclamation requirements for chloride of 600 mg/kg and/or TPH of 100 mg/kg. The areas of excavation associated with the exceedances were expanded horizontally. Once impacted soil was presumed to have been removed from the remediated areas in the vicinity of the sidewall samples, iterative confirmation samples were collected to encompass the original sample locations that triggered removal (nomenclature defined in Table 4) post-additional excavation. As prescribed in the approval condition, the area of FS-2 from the initial response sampling (conducted in June of 2021) was excavated to approximately 4.5 bgs per the NMOCD directive.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. Including iterative confirmation samples, a total of seven (7) floor sample locations and twenty-nine (17) sidewall sample locations were used. A total of 36 samples were collected and analyzed during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 7.

Per the approved Work Plan and based on laboratory analytical results, the impacted area was excavated from 1 to 4.5 feet below pre-release grade during the May 2022 remedial activities. The northeastern portion of the release area, containing confirmation floor sample FS-2, was excavated to 1 foot below pre-release grade. The northwestern portion of the release area, containing confirmation floor sample FS-1, was excavated to 2 feet below pre-release grade. The release area containing confirmation floor samples FS-3 through FS-7 was excavated to 4 to 4.5 feet below pre-release grade. All final confirmation soil samples (floor and sidewall) were below the respective RRALs and reclamation requirements for soils above 4 feet bgs. The results of the May 2022 confirmation sampling event are summarized in Table 4.

All the excavated material was transported offsite for proper disposal. Approximately 502 cubic yards of material were transported to the R360 Halfway facility in Hobbs, New Mexico. Once confirmation sampling activities were completed and associated analytical results were below the RRALs and/or reclamation requirements, the excavated areas were backfilled with clean material to surface grade. Photographic documentation of the excavated areas prior to and immediately following placement of backfill are provided in Appendix E. Copies of the waste manifests are included in Appendix F.

As prescribed in the Work Plan, the backfilled areas were seeded in May 2022 to aid in revegetation. Based on soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Coarse (CS)

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Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed per acre.

Site inspections will be performed to assess the revegetation progress and evaluate the Site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the Site does not show revegetation after one growing season the area will be reseeded as appropriate.

CONCLUSION

ConocoPhillips respectfully requests closure of the incident based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.



Nicholas M. Poole
Project Lead



Christian M. Llull, P.G.
Project Manager

cc:
Mr. Jenni Fortunato, RMR – ConocoPhillips

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LIST OF ATTACHMENTS

Figures:

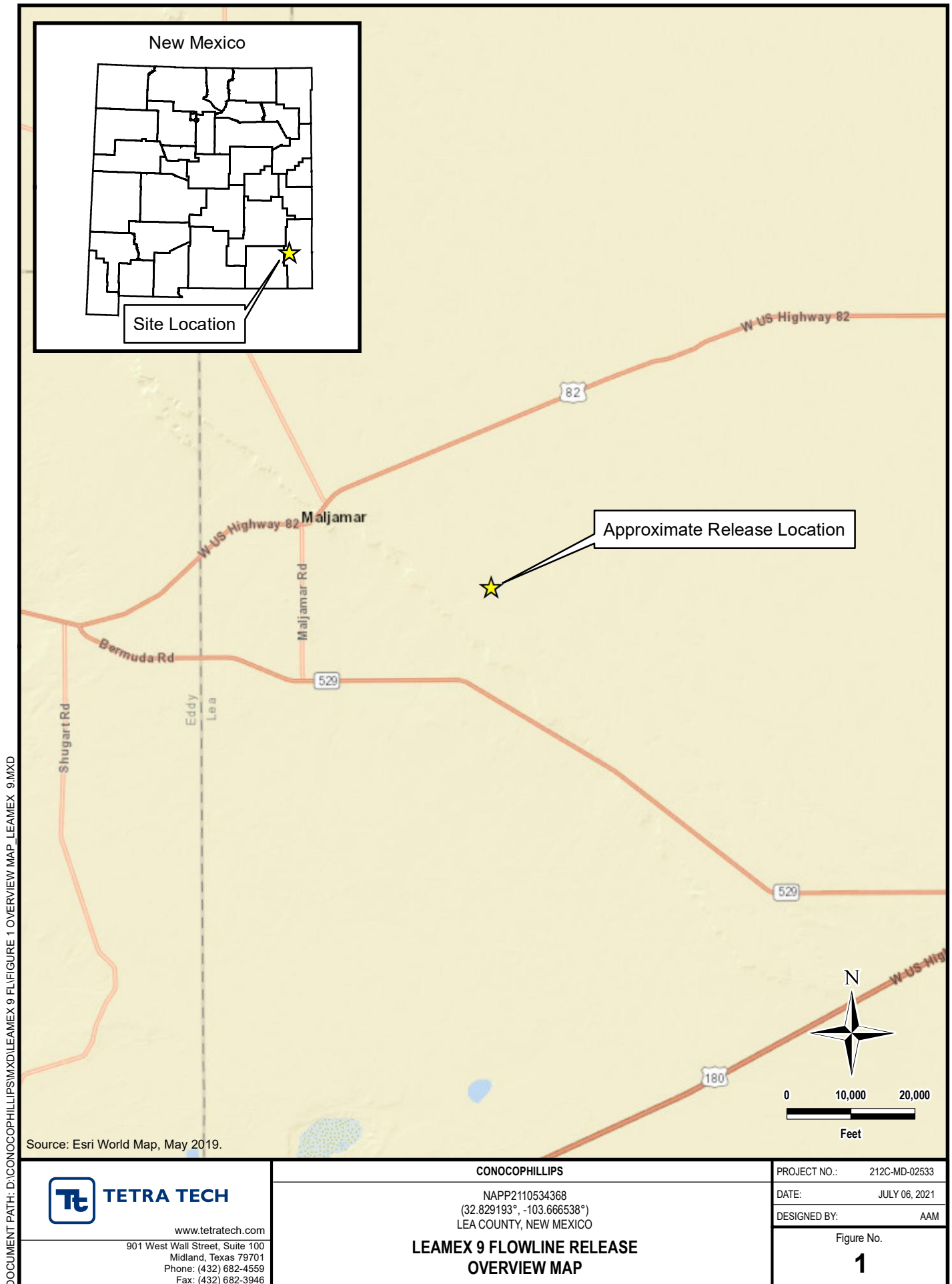
- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Site Assessment
- Figure 5 – Initial Response
- Figure 6 – Additional Site Assessment
- Figure 7 – Remediation Extent and Confirmation Sample Locations

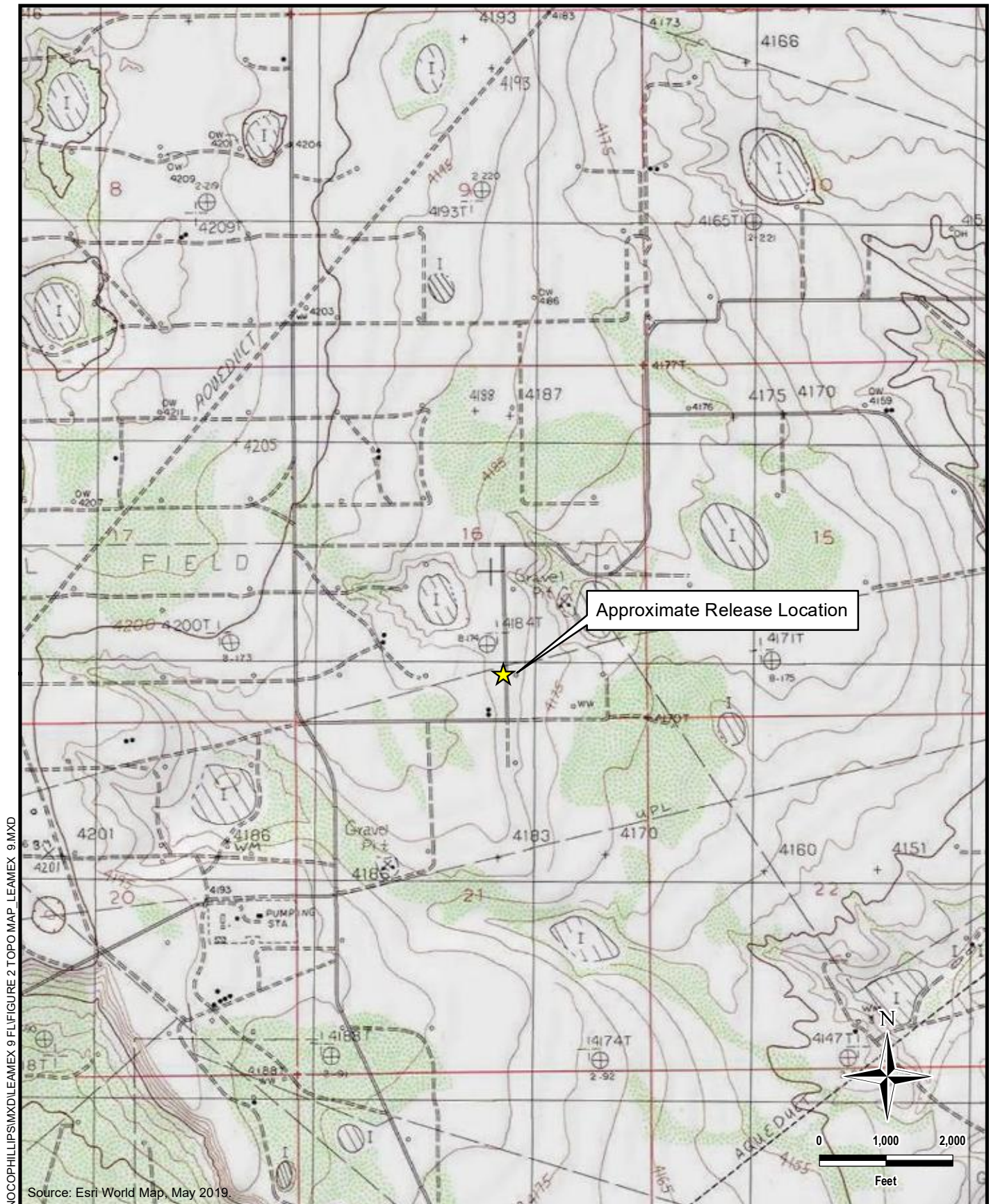
Tables:

- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Initial Response Confirmation Sampling
- Table 3 – Summary of Analytical Results – Additional Delineation
- Table 4 – Summary of Analytical Results – Soil Remediation

Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Regulatory Correspondence
- Appendix D – Laboratory Analytical Data
- Appendix E – Photographic Documentation
- Appendix F – Waste Manifests





DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\LEAMEX 9 FLOWLINE RELEASE\TOPO MAP LEAMEX 9.MXD


TETRA TECH
www.tetrattech.com

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

CONOCOPHILLIPS

 NAPP2110534368
 (32.829193°, -103.666538°)
 LEA COUNTY, NEW MEXICO

**LEAMEX 9 FLOWLINE RELEASE
TOPOGRAPHIC MAP**

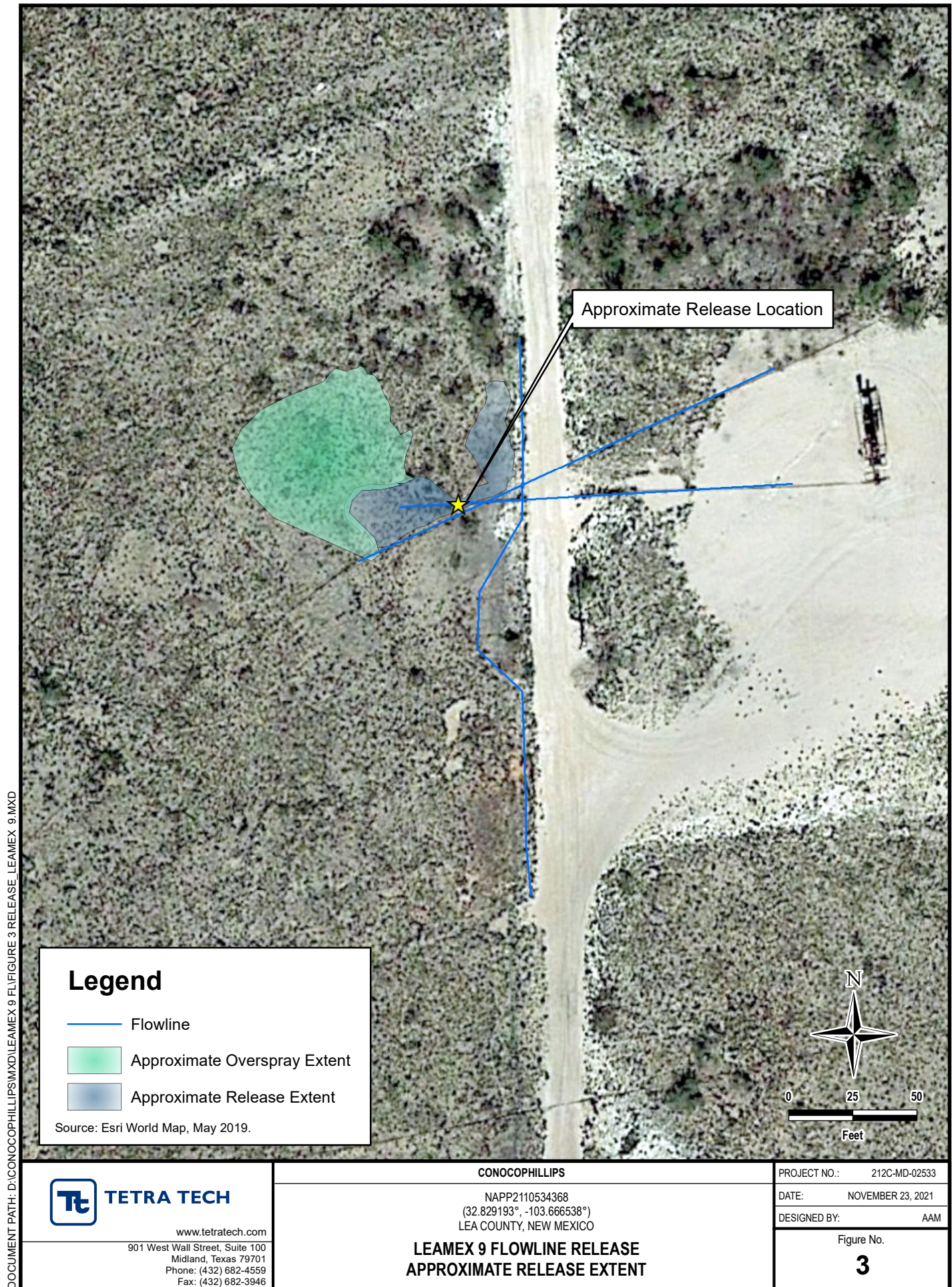
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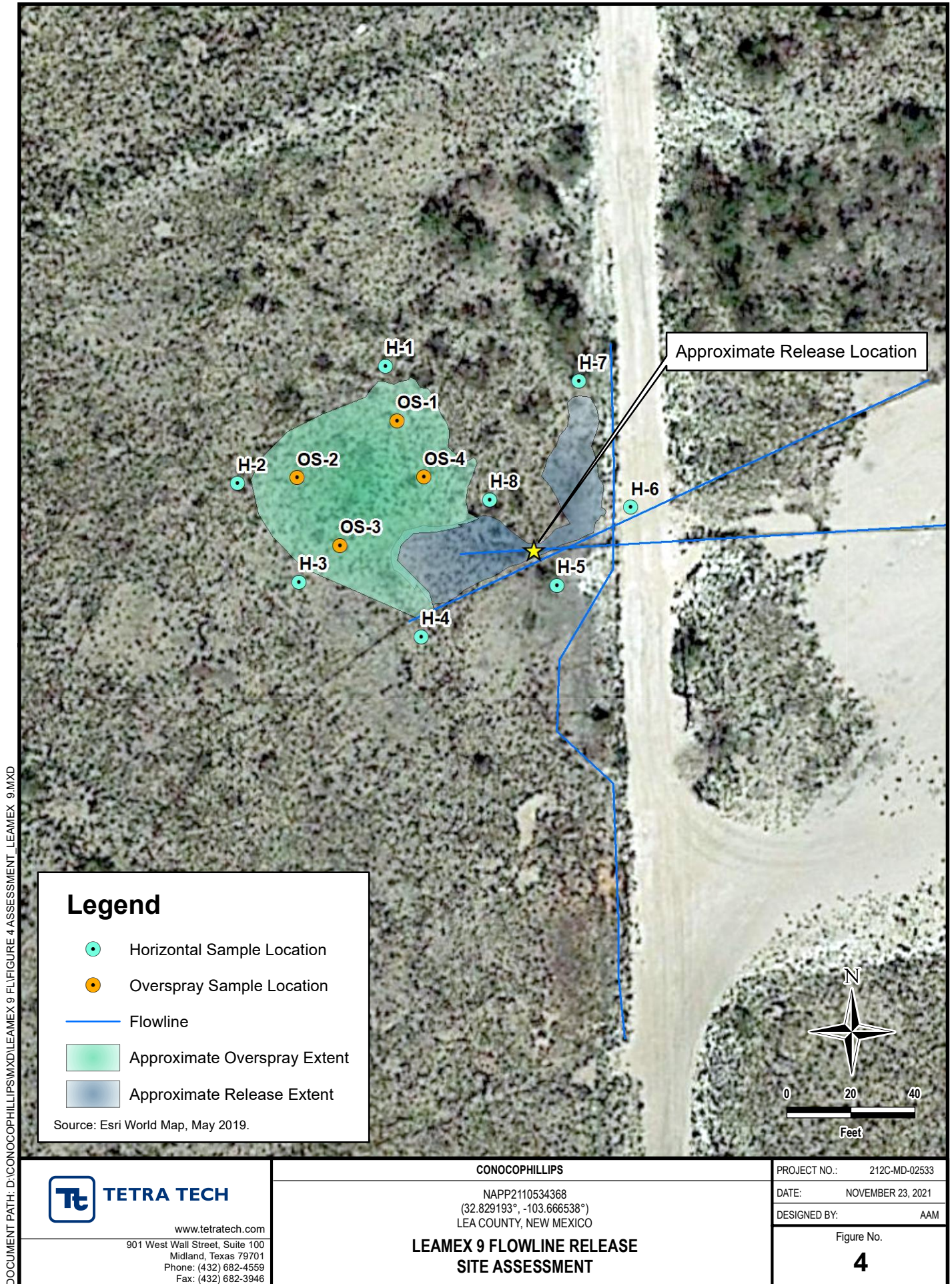
DATE: JULY 06, 2021

DESIGNED BY: AAM

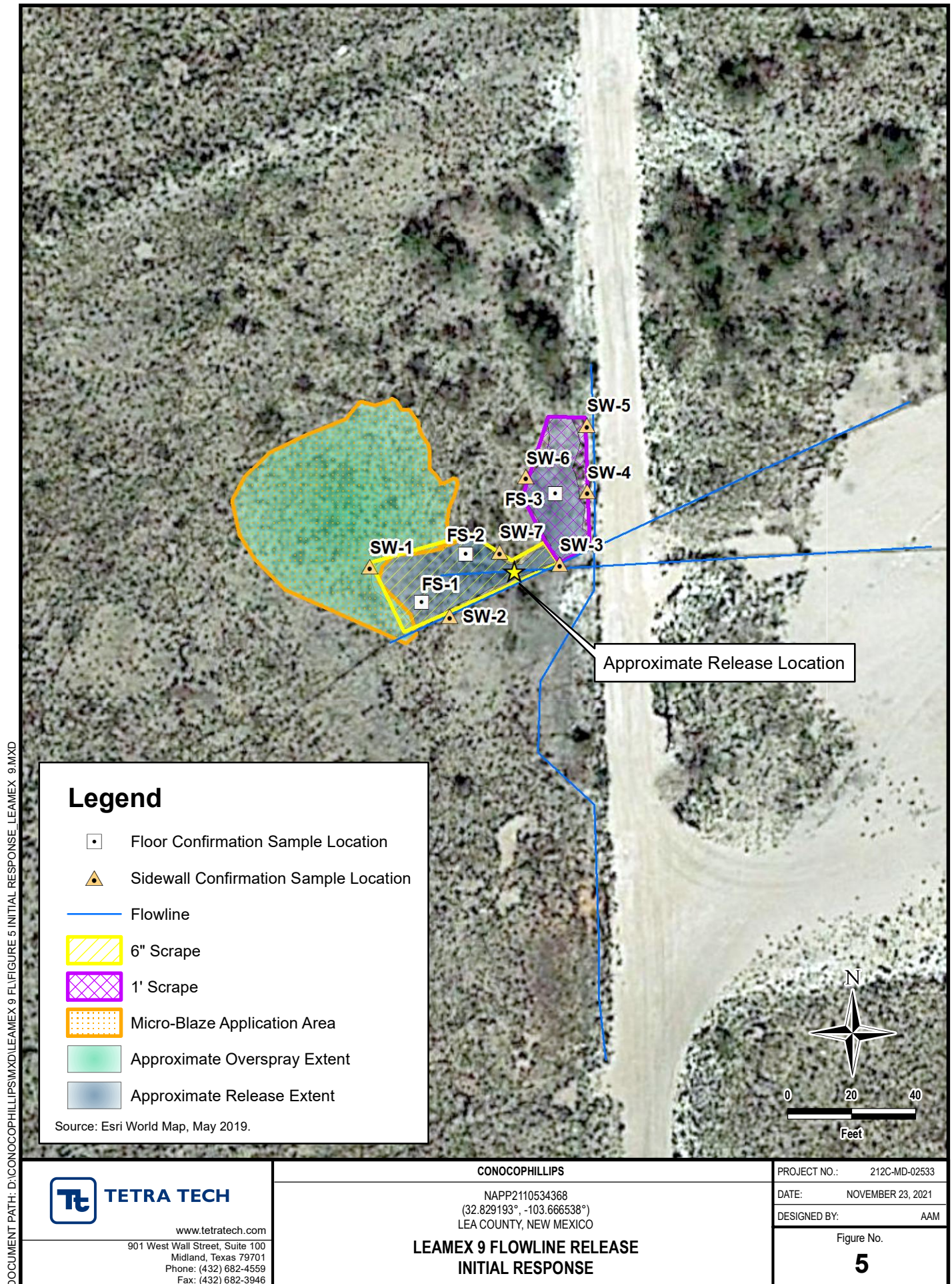
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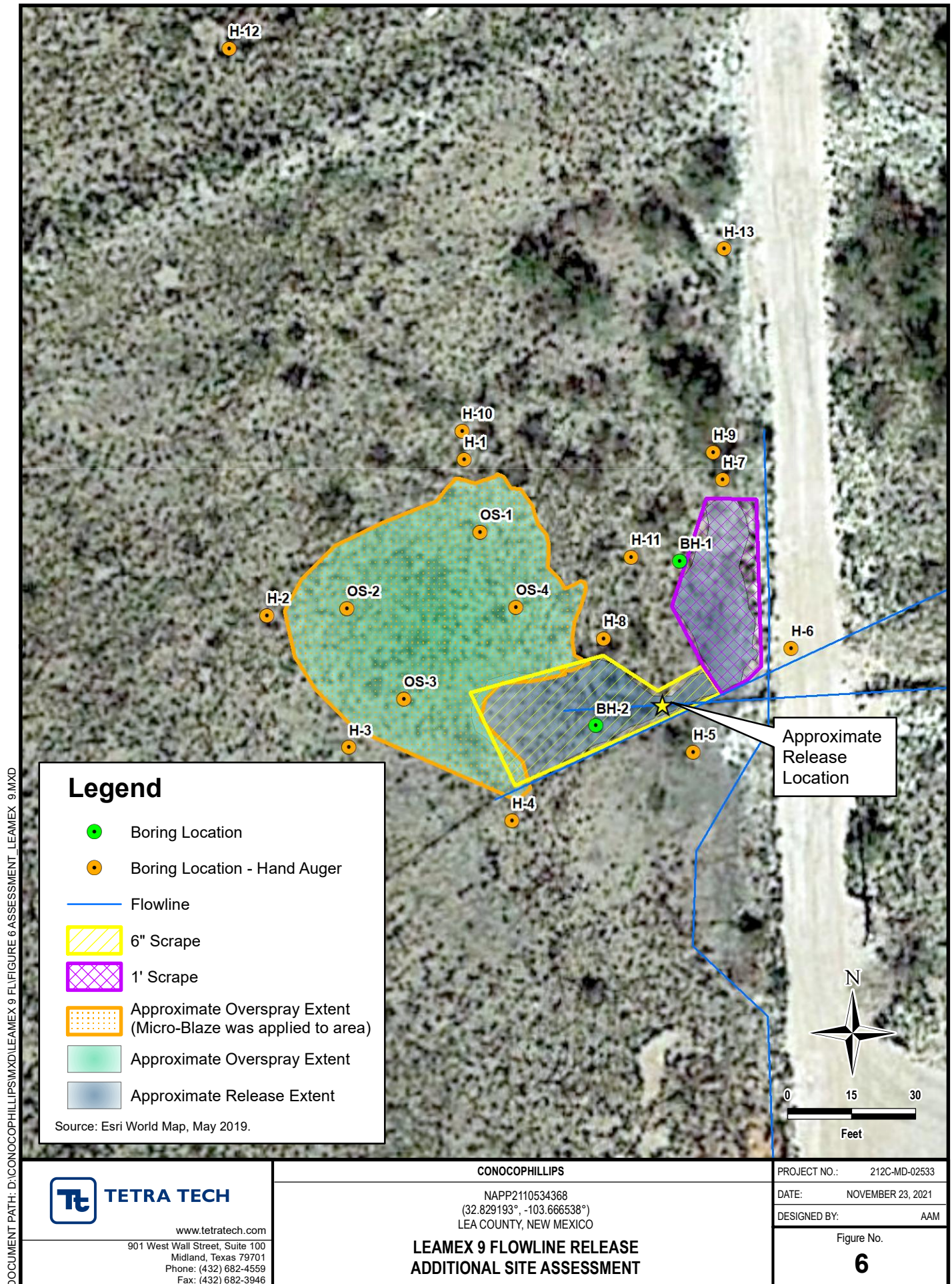
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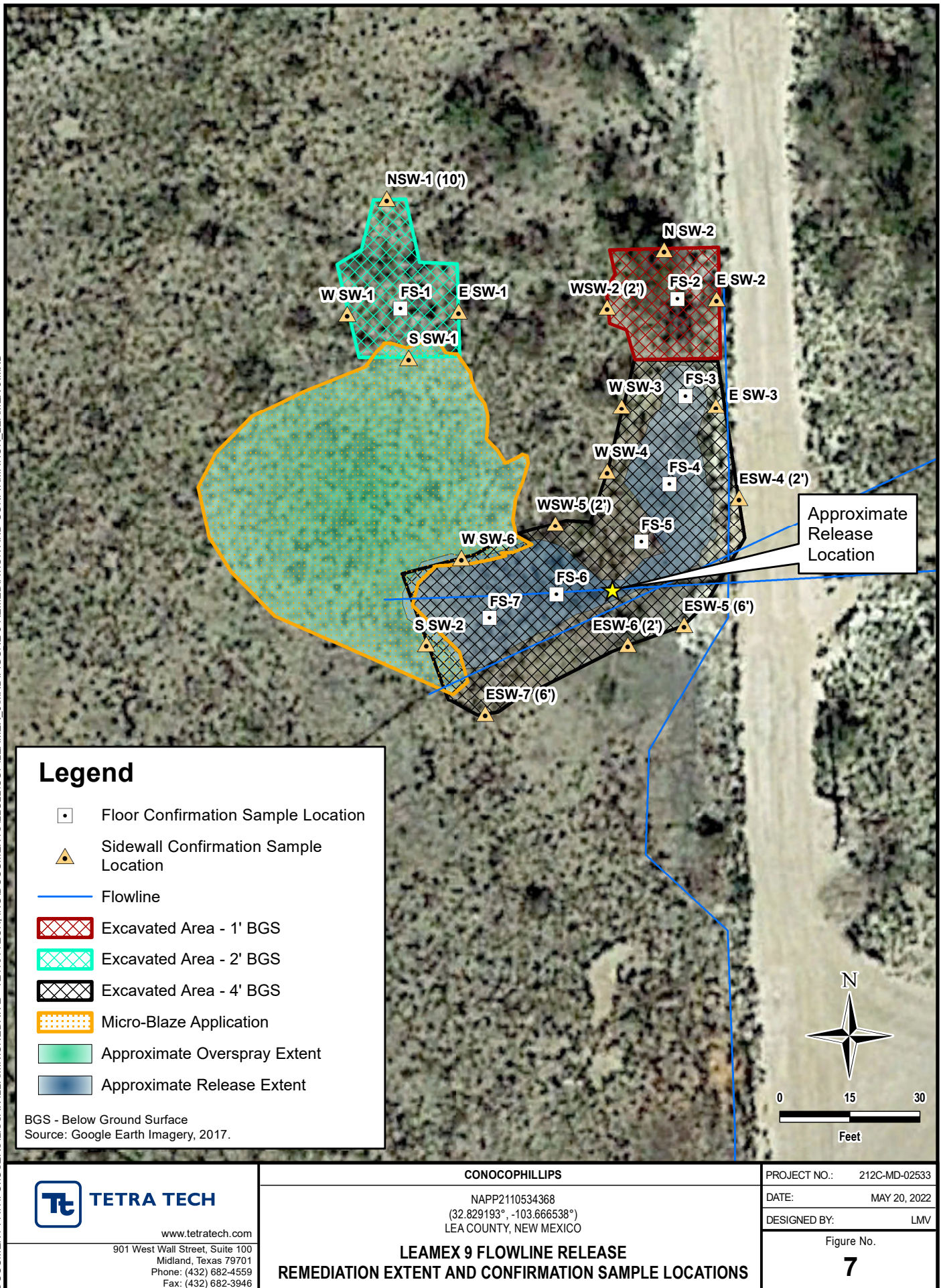


DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\LEAMEX 9 FLOWLINE RELEASE SITE ASSESSMENT\LEAMEX 9.MXD





DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\LEAMEX 9\FIGURE 8 REMEDIATION AND CONFIRMATION LEAMEX 9.MXD



FIGURES

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT - nAPP2110534368
CONOCOPHILLIPS
LEAMEX 009 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride ¹		BTEX ²										TPH ³								
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)			
					ft. bgs	ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	C ₃ - C ₁₀	Q	mg/kg	Q		C ₁₀ - C ₂₈	Q	mg/kg
H-1	6/21/2021	0-1	316	-	10.1	J	< 0.00104		< 0.00522		< 0.00261		0.00116	J	0.00116	0.0527	J	30.8		134					165
H-2	6/21/2021	0-1	76.2	-	< 20.4		< 0.00104		< 0.00519		< 0.00259		< 0.00674		-	< 0.102		15.6		36.4					52.0
H-3	6/21/2021	0-1	107	-	< 20.4		0.000494	J	< 0.00520		< 0.00260		< 0.00676		-	< 0.102		6.33		20.3					26.6
H-4	6/21/2021	0-1	226	-	46.9		< 0.00108		< 0.00540		< 0.00270		0.00109	J	0.00109	0.134		26.6		49.2					75.9
H-5	6/21/2021	0-1	165	-	31.3		< 0.00117		< 0.00583		< 0.00291		< 0.00757		-	0.0498	J	10.1		24.7					34.8
H-6	6/21/2021	0-1	164	-	59.3		< 0.00105		< 0.00525		< 0.00263		< 0.00683		-	< 0.103		2.23	J	5.96					8.19
H-7	6/21/2021	0-1	114	-	< 20.5		0.000524	J	< 0.00524		< 0.00262		0.00134	J	0.00186	0.0315	J	20.0	J	94.8					115
H-8	6/21/2021	0-1	168	-	19.9	J	< 0.00105		< 0.00525		< 0.00262		0.000935	J	0.000935	0.0269	J	8.84		30.6					39.5
OS-1	6/21/2021	0-1	97.3	-	< 20.5		< 0.00105		< 0.00527		< 0.00263		0.00446	J	0.00446	0.127		5.22		17.5					22.8
OS-2	6/21/2021	0-1	106	-	< 20.3		< 0.00103		< 0.00515		< 0.00258		< 0.00670		-	0.0990	J	2.09	J J3 J6	8.75					10.9
OS-3	6/21/2021	0-1	131	-	< 20.9		< 0.00109		< 0.00545		< 0.00273		< 0.00709		-	0.0938	J	16.7		42.9					59.7
OS-4	6/21/2021	0-1	53.8	-	< 20.6		< 0.00106		< 0.00528		< 0.00264		0.00106	J	0.00106	0.0892	J	9.24		29.9					39.2

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics
1 EPA Method 300.0
2 EPA Method 8260B
3 EPA Method 8015
4 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Remediation RRLs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

J The identification of the analyte is acceptable; the reported value is an estimate.
J3 The associated batch QC was outside the established quality control range for precision.
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
INITIAL RESPONSE CONFIRMATION SAMPLING - nAPP2110534368
CONOCOPHILLIPS
LEAMEX 009 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)		
																C ₃ - C ₁₀		C ₁₀ - C ₂₈		C ₂₈ - C ₄₀				
		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	
FS-1 (0.5')	6/21/2021	0.5	5100	-	5,720	V	< 0.0107		0.180		2.17		5.44		7.79		804		5,980		3,940		10,724	
FS-2 (0.5')	6/21/2021	0.5	4130	-	3,910		< 0.0107		0.0161	J	0.127		2.64		2.78		573		7,220		5,080		12,873	
FS-3 (1')	6/21/2021	1	1460	-	2,980		0.0695		3.42		8.06		16.0		27.5		839		13,200		8,060		22,099	
SW-1	6/21/2021	-	175	-	73.4		< 0.00105		< 0.00524		< 0.00262		0.00118	J	0.00118		0.0380	J	9.46		21.5		31.0	
SW-2	6/21/2021	-	312	-	255		< 0.00108		< 0.00540		0.00167	J	0.00340	J	0.00507		0.183		80.3		96.9		177	
SW-3	6/21/2021	-	354	-	223		0.000682	J	0.00480	J	0.0294		0.0776		0.112		0.368		66.3		228		295	
SW-4	6/21/2021	-	186	-	55.0		< 0.00105		0.00187	J	0.00223	J	0.00596	J	0.0101		0.0697	J	20.2		97.1		117	
SW-5	6/21/2021	-	187	-	53.4		< 0.00108		< 0.00541		< 0.00271		< 0.00704		-		0.0243	J	13.4		57.0		70.4	
SW-6	6/21/2021	-	323	-	166		< 0.00104		< 0.00520		< 0.00260		< 0.00676		-		0.0392	J	38.3		98.4		137	
SW-7	6/21/2021	-	358	-	183		< 0.00109		< 0.00543		< 0.00272		0.00417	J	0.00417		0.168		410		360		770	

NOTES:

- ft. Feet
- bgs Below ground surface
- ppm Parts per million
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- ORO Oil range organics
- 1 EPA Method 300.0
- 2 EPA Method 8260B
- 3 EPA Method 8015
- 4 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

- J The identification of the analyte is acceptable; the reported value is an estimate.
- V The sample concentration is too high to evaluate accurate spike recoveries.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL DELINEATION - nAPP2110534368
CONOCOPHILLIPS
LEAMEX 009 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride ¹		BTEX ²								TPH ³							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)
			C ₃ - C ₁₀													C ₁₀ - C ₂₈		C ₂₈ - C ₄₀				
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
BH-1	8/19/2021	0-1	469	2.6	606		< 0.00165		< 0.00825		< 0.00412		< 0.0107		-	0.0480	B J	< 5.30		0.363	J	0.411
		2-3	307	1.1	296		< 0.00151		< 0.00753		< 0.00377		< 0.00979		-	0.0590	B J	< 5.01		3.38	J	3.44
		4-5	425	0.7	486		< 0.00146		< 0.00732		< 0.00366		< 0.00951		-	< 0.123		< 4.92		0.465	J	0.465
		6-7	378	0.1	470		< 0.00144		< 0.00719		< 0.00359		< 0.00934		-	0.0647	B J	< 4.87		0.581	J	0.646
		9-10	145	0.1	237		< 0.00140		< 0.00699		< 0.00349		< 0.00908		-	0.0459	B J	< 4.80		< 4.80		0.0459
		14-15	111	0.1	182		< 0.00131		< 0.00657		< 0.00329		< 0.00854		-	0.0464	B J Q	< 4.63		0.611	J	0.657
BH-2	8/19/2021	0-1	972	15.7	854		< 0.00134		< 0.00669		< 0.00335		0.0320		0.0320	1.98		1030		704		1,736
		2-3	5.33	10.1	733		< 0.00135		< 0.00673		< 0.00337		0.178		0.178	1.85		291		203		496
		4-5	2260	5.5	2,170		< 0.00133		< 0.00667		< 0.00333		< 0.00867		-	0.0952	B J	67.8		46.2		114
		6-7	71.6	0.3	37.5		< 0.00107		< 0.00533		< 0.00267		< 0.00693		-	0.0435	B J	6.67		3.65	J	10.4
		9-10	63.2	0.1	49.8		< 0.00109		< 0.00546		< 0.00273		< 0.00710		-	0.0444	B J	2.13	J	1.08	J	3.25
		14-15	62.3	0.1	452		< 0.00165		< 0.00824		< 0.00412		< 0.0107		-	0.0361	B J Q	< 5.29		< 5.29		0.0361
H-9	8/19/2021	0-1	126	-	139		< 0.00150		< 0.00748		< 0.00374		0.00202	J	0.00202	0.0405	B J	51.6		155		207
		1-2	112	-	224		< 0.00143		< 0.00713		< 0.00356		< 0.00927		-	0.0432	B J	14.4		46.6		61.0
		2-3	98.0	-	19.0		< 0.00120		< 0.00598		< 0.00299		< 0.00777		-	0.0328	B J	16.5		54.6		71.1
		3-4	89.8	-	16.5	J	< 0.00116	J3	< 0.00579	J3	< 0.00290	J3	< 0.00753	J3	-	0.0410	B J	15.4		52.2		67.6
H-10	8/19/2021	0-1	333	-	103		< 0.00121		< 0.00603		< 0.00301		< 0.00784		-	0.0421	B J	64.3	J3 J5 J6	189		253
		1-2	183	-	16.7	J	< 0.00121		< 0.00604		< 0.00302		< 0.00786		-	0.0415	B J	71.2		223		294
		2-3	191	-	129		< 0.00138		< 0.00690		< 0.00345		< 0.00897		-	0.0432	B J	5.74		19.5		25.3
		3-4	200	-	210		< 0.00131		< 0.00655		< 0.00327		< 0.00851		-	0.0401	B J Q	< 4.62		< 4.62		0.0401
H-11	8/19/2021	0-1	107	-	68.3		< 0.00137		< 0.00684		< 0.00342		< 0.00889		-	< 0.118		9.78		21.9		31.7
		1-2	103	-	106		< 0.00132		< 0.00660		< 0.00330		< 0.00858		-	< 0.116		< 4.64		1.14	J	1.14
		2-3	108	-	147		< 0.00147		< 0.00735		< 0.00368		< 0.00956		-	< 0.124		2.20	J	4.26	J	6.46
		3-4	156	-	136		< 0.00123		< 0.00613		< 0.00307		< 0.00797		-	< 0.112		< 4.45		< 4.45		-
H-12	9/20/2021	0-1	103	0.1	< 20.5		< 0.00105		< 0.00527		< 0.00777		0.00119	J	0.00119	0.0394	B J	2.82	J	9.33		12.2
H-13	9/20/2021	0-1	78.4	0.1	15.6	J	< 0.00153		< 0.00767		< 0.00383		< 0.00997		-	0.0491	J	2.04	J	3.39	J	5.48

NOTES:

- ft. Feet
- bgs Below ground surface
- ppm Parts per million
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- ORO Oil range organics
- 1 EPA Method 300.0
- 2 EPA Method 8260B
- 3 EPA Method 8015
- 4 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

- B The same analyte is found in the associated blank.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- J3 The associated batch QC was outside the established quality control range for precision.
- J5 The sample matrix interfered with the ability to make any accurate determination; spike value is high.
- J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.
- Q Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

TABLE 4
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2110534368
CONOCOPHILLIPS
LEAMEX 009 FLOWLINE 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 (GRO+DRO+EXT DRO)
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		
		ft. bgs	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
FS-1	5/10/2022	4	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		17.1		26.9		44.0
FS-2	5/10/2022	4	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-3	5/10/2022	4	512		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		39.9		< 10.0		39.9
FS-4	5/11/2022	4	368		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-5	5/11/2022	4	736		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		209		67.5		277
FS-6	5/11/2022	4	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		33.3		12.6		45.9
FS-7	5/11/2022	4	368		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		19.1		< 10.0		19.1
NSW-1	5/10/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		67.0		95.2		162
NSW-1 (2')	5/12/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		86.5		99.7		186
NSW-1 (4')	5/13/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		137		156		293
NSW-1 (6')	5/13/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		178		219		397
NSW-1 (10')*	5/17/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-2	5/10/2022	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		10.1		10.1
ESW-1	5/10/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		15.2		15.2
ESW-2	5/10/2022	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		28.8		27.2		56.0
ESW-3	5/10/2022	-	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		11.8		< 10.0		11.8
ESW-4	5/10/2022	-	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		82.9		99.4		182
ESW-4 (2')*	5/12/2022	-	288		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		11.2		< 10.0		11.2
ESW-5	5/10/2022	-	800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		25.0		11.7		36.7
ESW-5 (2')	5/12/2022	-	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		308		197		505
ESW-5 (6')*	5/13/2022	-	304		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		25.2		24.8		50.0
ESW-6	5/10/2022	-	528		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		90.9		38.5		129
ESW-6 (2')*	5/12/2022	-	416		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
ESW-7	5/10/2022	-	1,420		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		74.5		29.8		104
ESW-7 (2')	5/12/2022	-	288		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		152		100		252
ESW-7 (6')*	5/13/2022	-	304		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
SSW-1	5/10/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		12.9		16.7		29.6
SSW-2	5/10/2022	-	288		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		78.3		19.4		97.7
WSW-1	5/10/2022	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
WSW-2	5/10/2022	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		68.8		89.5		158
WSW-2 (2')*	5/12/2022	-	480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
WSW-3	5/10/2022	-	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
WSW-4	5/10/2022	-	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		17.9		< 10.0		17.9
WSW-5	5/10/2022	-	832		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		343		127		470
WSW-5 (2')*	5/12/2022	-	496		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		15.7		< 10.0		15.7
WSW-6	5/10/2022	-	448		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		34.2		16.2		50.4

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 RRLs and Reclamation Requirements.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

APPENDIX A

Final 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	NAPP2110534368
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips Company	OGRID	217817
Contact Name	Kelsy Waggaman	Contact Telephone	505-577-9071
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # (assigned by OCD)	nAPP2110534368
Contact mailing address	29 Vacuum Complex Lane, Lovington, NM 88260		

Location of Release Source

Latitude 32.829040 Longitude -103.666573
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	LEAMEX 9 flowline	Site Type	pasture
Date Release Discovered	4/5/21	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
O	16	17S	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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	3.1	Volume Recovered (bbls)	0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	7.7	Volume Recovered (bbls)	2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release


A flowline leak occurred off the Leamex 9 producing well that resulted in approximately 10.82 bbls total fluid with 3.138 bbls being oil and 7.682 bbls being PW. The leak occurred approximately 40 yards west of the Leamex 9 well and was off the pad. Leak duration was at least 24 hours.

Incident ID	NAPP2110534368
District RP	
Facility ID	
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Kelsy Waggaman</u> Signature: <u></u> email: <u>Kelsy.Waggaman@ConocoPhillips.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>3/15/21</u> Telephone: <u>505-577-9071</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>5/7/2021</u>

*Received by OCD: 5/21/2022 12:05:15PM**Page 23 of 134*

Release Discovery Date & Time: 4/5/2021

Release Type: Oil Mixture

Provide any known details about the event: FLOWLINE LEAK - OFF LOCATION IMPACT

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	30.0	18.0	2.50	4	540.000	0.052	5.006	0.003	5.019		0.000	5.019
Rectangle B	39.0	15.0	2.00	3	585.000	0.056	5.785	0.003	5.801		0.000	5.801
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Total Volume Release:									10.820		0.000	10.820

Released to Imaging: 6/1/2022 11:15:35AM

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 24158

CONDITIONS OF APPROVAL

Operator:	CONOCOPHILLIPS COMPANY	600 W. Illinois Avenue	Midland, TX79701	OGRID:	217817	Action Number:	24158	Action Type:	C-141
OCD Reviewer	Condition								
marcus	None								

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

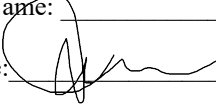
State of New Mexico
Oil Conservation Division

Page 4

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: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2110534368
District RP	
Facility ID	
Application ID	

Remediation Plan

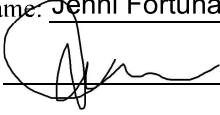
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jenni Fortunato Title: Program Manager, Remediation
Signature:  Date: 12/22/21
email: jenni.fortunato@cop.com Telephone: 832-486-2477

OCD Only

Received by: Chad Hensley Date: 02/02/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 02/02/2022

Incident ID	
District RP	
Facility ID	
Application ID	

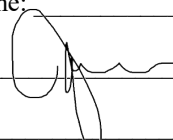
Closure

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: _____ Title: _____
Signature:  _____ Date: _____
email: _____ Telephone: _____

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 B

Site Characterization Data



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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 09891	L	LE		4	4	16	17S	33E		625264	3633144*	460	190		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 624803.64

Northing (Y): 3633138.3

Radius: 800

*UTM location was derived from PLSS - see Help

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

5/10/21 12:04 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 09891	L	LE		4	4	16	17S	33E		625264	3633144*	460	190		
L 02875	L	LE		2	2	20	17S	33E		623662	3632717*	1216	250	190	60

Average Depth to Water: **190 feet**

Minimum Depth: **190 feet**

Maximum Depth: **190 feet**

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 624803.64

Northing (Y): 3633138.3

Radius: 1250

*UTM location was derived from PLSS - see Help

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

5/10/21 12:05 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 09891	L	LE		4	4	16	17S	33E		625264	3633144*	460	190		
L 02875	L	LE		2	2	20	17S	33E		623662	3632717*	1216	250	190	60
L 03749	L	LE		3	3	09	17S	33E		624036	3634734*	1770	230	160	70
L 03622	L	LE				17	17S	33E		623053	3633703*	1839	226	180	46
L 03528 S2	L	LE		1	3	3	09	17S	33E	623935	3634833*	1904	262	180	82
L 13049 POD1	L	LE		2	2	2	29	17S	33E	623782	3631207*	2184	244	204	40

Average Depth to Water: **182 feet**

Minimum Depth: **160 feet**

Maximum Depth: **204 feet**

Record Count: 6

UTM NAD83 Radius Search (in meters):

Easting (X): 624803.64

Northing (Y): 3633138.3

Radius: 2500

*UTM location was derived from PLSS - see Help

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

7/19/21 10:13 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Leamex 9 Flowline Release

Karst Potential Map

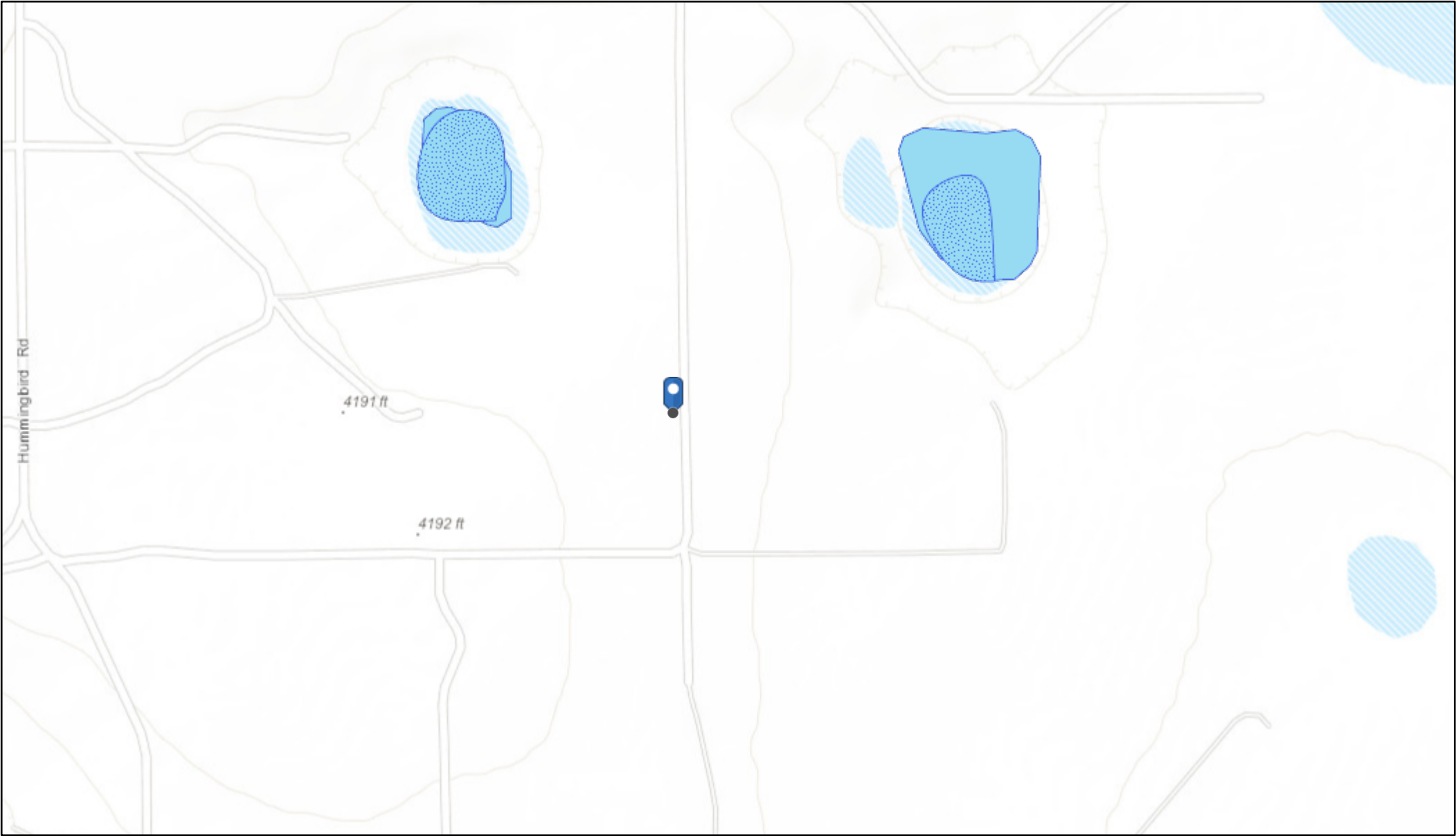
Legend

- Approximate Release Point
- High
- Low
- Medium




Approximate Release Point

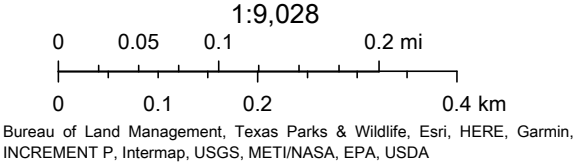


2 mi



5/25/2021, 3:57:54 PM

-  OSE Water-bodies
-  PLJV Probable Playas
-  OSE Streams



212C-MD-02533		TETRA TECH										LOG OF BORING BH-1															Page 1 of 2																																									
Project Name: Leamex 9																																																																				
Borehole Location: GPS: 32.829285°, -103.666524°															Surface Elevation: 4186 ft																																																					
Borehole Number: BH-1										Borehole Diameter (in.): 8					Date Started: 8/19/2021					Date Finished: 8/19/2021																																																
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DEPTH (ft)</th> <th rowspan="2">OPERATION TYPE</th> <th rowspan="2">SAMPLE</th> <th rowspan="2">CHLORIDE FIELD SCREENING (ppm)</th> <th rowspan="2">VOC FIELD SCREENING (ppm)</th> <th rowspan="2">SAMPLE RECOVERY (%)</th> <th rowspan="2">MOISTURE CONTENT (%)</th> <th rowspan="2">DRY DENSITY (pcf)</th> <th rowspan="2">LIQUID LIMIT</th> <th rowspan="2">PLASTICITY INDEX</th> <th rowspan="2">MINUS NO. 200 (%)</th> <th rowspan="2">GRAPHIC LOG</th> <th colspan="2">WATER LEVEL OBSERVATIONS</th> </tr> <tr> <th>While Drilling</th> <th>Upon Completion of Drilling</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"> Dry ft Dry ft Remarks: </td> </tr> <tr> <td colspan="12" style="text-align: center;">MATERIAL DESCRIPTION</td> <td>DEPTH (ft)</td> <td>REMARKS</td> </tr> </tbody> </table> </div> <div style="width: 55%;"> <p>-ML- SILT: Brown, dry, loose, with abundant small angular gravel, no staining, low odor.</p> <p>-CALICHE- CALICHE: Light tan to dark gray, dry, hard, heavily cemented, with some sand and clay, no staining, no odor.</p> <p>-- Very light tan @ 4'</p> <p>-ML- SILT: Light tan, dry, medium dense, moderately cemented, with caliche gravel, no staining, no odor.</p> <p>-ML- SILT: Light tan, dry, loose, weakly cemented, chalky, uniform, no staining, no odor.</p> </div> </div>																									DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		While Drilling	Upon Completion of Drilling													Dry ft Dry ft Remarks:		MATERIAL DESCRIPTION												DEPTH (ft)	REMARKS
DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS																																																								
												While Drilling	Upon Completion of Drilling																																																							
												Dry ft Dry ft Remarks:																																																								
MATERIAL DESCRIPTION												DEPTH (ft)	REMARKS																																																							
5		469	2.6										1	BH-1 (0'-1')																																																						
		307	1.1											BH-1 (2'-3')																																																						
		425	0.7											BH-1 (4'-5')																																																						
		378	0.1											BH-1 (6'-7')																																																						
10		145	0.1										9	BH-1 (9'-10')																																																						
15		111	0.1											BH-1 (14'-15')																																																						
20		0	0										20																																																							
25		0	0																																																																	
30		0	0																																																																	

| Sampler Types: ☒ Split Spoon ☒ Shelby ☒ Bulk Sample ☒ Grab Sample ☒ Acetate Liner ☒ Vane Shear ☒ Discrete Sample ☒ Test Pit | | | | | | | | | | | | Operation Types: ☒ Mud Rotary ☒ Continuous Flight Auger ☒ Wash Rotary ☒ Hand Auger ☒ Air Rotary ☒ Direct Push ☒ Core Barrel | | | | | | | | | | | | Notes: Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data. | |
| Logger: Devin Dominguez | | | | | | | | | | Drilling Equipment: Air Rotary | | | | | Driller: Scarborough Drilling | | | | |

212C-MD-02533	TETRA TECH	LOG OF BORING BH-1	Page 2 of 2
Project Name: Leamex 9			
Borehole Location: GPS: 32.829285°, -103.666524°		Surface Elevation: 4186 ft	
Borehole Number: BH-1		Borehole Diameter (in.): 8	Date Started: 8/19/2021 Date Finished: 8/19/2021

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	REMARKS	
												While Drilling	Upon Completion of Drilling			
			ExStik	PID				LL	PI				Remarks: <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> MATERIAL DESCRIPTION </div>			
35			0	0												
40			0	0												
45			0	0												
50			0	0									-ML- SILT: Brown, dry, loose, weakly cemented, friable, no staining, no odor.	49		
55			0	0										55		
Bottom of borehole at 55.0 feet.																

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample	Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary	Hand Auger Air Rotary Direct Push Core Barrel	Notes: Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.
--	--	---	--	--



Logger: Devin Dominguez	Drilling Equipment: Air Rotary	Driller: Scarborough Drilling
-------------------------	--------------------------------	-------------------------------

APPENDIX C

Regulatory Correspondence

Poole, Nicholas

From: OCDOnline@state.nm.us
Sent: Wednesday, February 2, 2022 9:25 AM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 71834

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

To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2110534368, with the following conditions:

- **Vertical delineation submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC. On closure report show (FS-2) delineation to 4.5 ft minimum or to closure criteria.**
- **Depth to water is not defined in the work plan that meets the standard of OCD. Please provide a bore log or defer to table 1 fifty feet or less criteria.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Poole, Nicholas

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Monday, May 2, 2022 4:59 PM
To: Poole, Nicholas
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] Incident ID: nAPP2110534368 - Confirmation Sampling

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

Nicholas,

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.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Monday, May 2, 2022 3:50 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Fw: [EXTERNAL] Incident ID: nAPP2110534368 - Confirmation Sampling

From: Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>
Sent: Monday, May 2, 2022 3:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Abbott, Sam <Sam.Abbott@tetrattech.com>
Subject: [EXTERNAL] Incident ID: nAPP2110534368 - Confirmation Sampling

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

Incident ID (n#) **nAPP2110534368** (Leamex 9 Flowline Release)

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 starting Thursday, May 5, 2022.

Thus, on behalf of ConocoPhillips 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 from May 5 through May 12, 2022.

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

Nicholas Poole | Staff Geoscientist
Mobile +1 (512) 560-9064 | nicholas.poole@tetrattech.com

Tetra Tech | *Leading with Science®* | OGA
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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APPENDIX D

Laboratory Analytical Data



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

May 11, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: LEAMEX 9 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/22 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: NSW - 1 (H221982-01)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	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	48.0	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	67.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	95.2	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 69.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.5 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SSW - 1 (H221982-02)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	12.9	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	16.7	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 1 (H221982-03)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTX	<0.300	0.300	05/10/2022	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	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	15.2	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 1 (H221982-04)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-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	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 1 (H221982-05)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-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	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	17.1	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	26.9	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: NSW - 2 (H221982-06)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTX	<0.300	0.300	05/10/2022	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	80.0	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	10.1	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 2 (H221982-07)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	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	80.0	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	28.8	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	27.2	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.2 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 2 (H221982-08)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-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	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	68.8	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	89.5	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 2 (H221982-09)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 3 (H221982-10)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	11.8	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 4 (H221982-11)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	82.9	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	99.4	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.5 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 5 (H221982-12)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	25.0	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	11.7	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 6 (H221982-13)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	90.9	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	38.5	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 7 (H221982-14)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	1420	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	74.5	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	29.8	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SSW - 2 (H221982-15)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	2.14	107	2.00	1.86		
Toluene*	<0.050	0.050	05/10/2022	ND	2.11	105	2.00	1.86		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.06	103	2.00	2.17		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.37	106	6.00	2.64		
Total BTEX	<0.300	0.300	05/10/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	78.3	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	19.4	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 6 (H221982-16)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	6.05		
Toluene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	6.92		
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.92	96.2	2.00	6.50		
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.01	100	6.00	5.80		
Total BTX	<0.300	0.300	05/11/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	34.2	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	16.2	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 5 (H221982-17)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	6.05	
Toluene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	6.92	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.92	96.2	2.00	6.50	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.01	100	6.00	5.80	
Total BTX	<0.300	0.300	05/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/11/2022	ND	432	108	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	343	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	127	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 4 (H221982-18)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	6.05	
Toluene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	6.92	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.92	96.2	2.00	6.50	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.01	100	6.00	5.80	
Total BTX	<0.300	0.300	05/11/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/11/2022	ND	432	108	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	17.9	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.0 % 59.5-142

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Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 3 (H221982-19)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	6.05	
Toluene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	6.92	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.92	96.2	2.00	6.50	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.01	100	6.00	5.80	
Total BTX	<0.300	0.300	05/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/11/2022	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	05/10/2022	ND	208	104	200	1.16	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/10/2022	Sampling Date:	05/10/2022
Reported:	05/11/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 3 (H221982-20)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	6.05		
Toluene*	<0.050	0.050	05/11/2022	ND	2.04	102	2.00	6.92		
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	1.92	96.2	2.00	6.50		
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.01	100	6.00	5.80		
Total BTEX	<0.300	0.300	05/11/2022	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	512	16.0	05/11/2022	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	05/11/2022	ND	208	104	200	1.16	
DRO >C10-C28*	39.9	10.0	05/11/2022	ND	188	93.8	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Conoco Phillips</i>				BILL TO				ANALYSIS REQUEST			
Project Manager: <i>Christen Lull</i>				P.O. #:							
Address:				Company: <i>Tetra Tech</i>							
City:	State:	Zip:		Attn: <i>Christen Lull</i>							
Phone #:	Fax #:			Address: <i>by email</i>							
Project #: <i>212C-MD-02533</i>				Project Owner:							
Project Name: <i>Leaves 9 Flowline Release</i>				City:							
Project Location: <i>Lee County, NY</i>				State:				Zip:			
Sampler Name: <i>Cotton Bickstaff</i>				Phone #:							
FOR LAB USE ONLY				Fax #:							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRES/RV	SAMPLING	DATE	TIME	TPH	BTX	Chlorides								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :															
<i>H22P98Z</i>	<i>NSW-1</i>	<i>G</i>	<i>1</i>			X						<i>5/10/02</i>		X	X	X								
	<i>SSW-1</i>																							
	<i>ESW-1</i>																							
	<i>WSW-1</i>																							
	<i>FS-1</i>																							
	<i>NSW-2</i>																							
	<i>ESW-2</i>																							
	<i>WSW-2</i>																							
	<i>FS-2</i>																							
	<i>ESW-3</i>																							

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Relinquished By:	Date: <i>5/10/02</i>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
<i>Cotton Bickstaff</i>	<i>Time: 15:38</i>	<i>Maura O'Keefe</i>	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <i>Christen Lull @ tetra-tech.com</i>
<i>Cotton Bickstaff</i>			

Delivered By: (Circle One)	Observed Temp. °C <i>33.7</i>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>33.2</i>	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>AO</i>	Thermometer ID #113	Correction Factor -0.5°C <i>24 hr TAT</i>	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
							Corrected Temp. °C



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: <u>ConocoPhillips</u>		P.O. #:							
Project Manager: <u>Christopher Link</u>		Company: <u>Tetra Tech</u>							
Address:		Attn: <u>Christopher Link</u>							
City:		Address: <u>by email</u>							
State:		City:							
Zip:		State:							
Phone #:		Zip:							
Fax #:		Phone #:							
Project #: <u>212C-MD-02533</u>		Project Owner:							
Project Name: <u>Leavenworth Pipeline Release</u>		City:							
Project Location: <u>Leavenworth, NM</u>		State:							
Sample Name: <u>Colton Breckner</u>		Phone #:							
FOR LAB USE ONLY		Fax #:							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.							
		# CONTAINERS							
<u>H221982</u> 11 ESU-4 12 ESU-5 13 ESU-6 14 ESU-7 15 SSU-2 16 MSU-6 17 MSU-5 18 MSU-4 19 MSU-3 20 ES-3	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING	DATE	TIME	TPH	BTEX	Chlorides		

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Relinquished By: <u>Colton Breckner</u>	Date: <u>5/10/22</u>	Received By: <u>Christopher Link</u>	Date: <u>5/10/22</u>
Time: <u>1538</u>		Time: <u>1538</u>	
Relinquished By: <u>Colton Breckner</u>	Date: <u>5/10/22</u>	Received By: <u>Christopher Link</u>	Date: <u>5/10/22</u>
Time: <u>1538</u>		Time: <u>1538</u>	

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
UPS - Bus - Other:	33.7	Cool Intact	<u>VL</u>		Rush	Yes	Observed Temp. °C
	Corrected Temp. °C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				No	Corrected Temp. °C
	33.2						

Thermometer ID #113
Correction Factor -0.5°C
24 hr. TAT

Verbal Result: ☐ Yes ☒ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: Christopher Link@tetra-tech.com



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

May 12, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: LEAMEX 9 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/11/22 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2022	Sampling Date:	05/11/2022
Reported:	05/12/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 4 (H221998-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2022	ND	2.19	109	2.00	13.0	
Toluene*	<0.050	0.050	05/12/2022	ND	2.15	108	2.00	12.9	
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	2.01	101	2.00	12.3	
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.27	105	6.00	12.1	
Total BTX	<0.300	0.300	05/12/2022	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	368	16.0	05/12/2022	ND	432	108	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	05/12/2022	ND	182	91.0	200	0.554	
DRO >C10-C28*	<10.0	10.0	05/12/2022	ND	195	97.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/12/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2022	Sampling Date:	05/11/2022
Reported:	05/12/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 5 (H221998-02)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.19	109	2.00	13.0		
Toluene*	<0.050	0.050	05/12/2022	ND	2.15	108	2.00	12.9		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	2.01	101	2.00	12.3		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.27	105	6.00	12.1		
Total BTEX	<0.300	0.300	05/12/2022	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	736	16.0	05/12/2022	ND	432	108	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	05/12/2022	ND	182	91.0	200	0.554	
DRO >C10-C28*	209	10.0	05/12/2022	ND	195	97.4	200	1.30	
EXT DRO >C28-C36	67.5	10.0	05/12/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2022	Sampling Date:	05/11/2022
Reported:	05/12/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 6 (H221998-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.19	109	2.00	13.0		
Toluene*	<0.050	0.050	05/12/2022	ND	2.15	108	2.00	12.9		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	2.01	101	2.00	12.3		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.27	105	6.00	12.1		
Total BTEx	<0.300	0.300	05/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/12/2022	ND	432	108	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	05/12/2022	ND	182	91.0	200	0.554	
DRO >C10-C28*	33.3	10.0	05/12/2022	ND	195	97.4	200	1.30	
EXT DRO >C28-C36	12.6	10.0	05/12/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2022	Sampling Date:	05/11/2022
Reported:	05/12/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: FS - 7 (H221998-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.19	109	2.00	13.0		
Toluene*	<0.050	0.050	05/12/2022	ND	2.15	108	2.00	12.9		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	2.01	101	2.00	12.3		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.27	105	6.00	12.1		
Total BTEx	<0.300	0.300	05/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	05/12/2022	ND	432	108	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	05/12/2022	ND	182	91.0	200	0.554	
DRO >C10-C28*	19.1	10.0	05/12/2022	ND	195	97.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/12/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



17/01

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



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

May 13, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: LEAMEX 9 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/12/22 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 7 (2') (H222023-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87	
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81	
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00	
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04	
Total BTX	<0.300	0.300	05/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	288	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	152	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	100	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 6 (2') (H222023-02)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEx	<0.300	0.300	05/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 5 (2') (H222023-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEx	<0.300	0.300	05/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	308	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	197	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: ESW - 4 (2') (H22023-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEx	<0.300	0.300	05/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	11.2	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 5 (2') (H222023-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEx	<0.300	0.300	05/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	15.7	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: WSW - 2 (2') (H222023-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEx	<0.300	0.300	05/12/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/12/2022	Sampling Date:	05/12/2022
Reported:	05/13/2022	Sampling Type:	Soil
Project Name:	LEAMEX 9 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02533	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

Sample ID: NSW - 1 (2') (H222023-07)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2022	ND	2.08	104	2.00	3.87		
Toluene*	<0.050	0.050	05/12/2022	ND	2.04	102	2.00	4.81		
Ethylbenzene*	<0.050	0.050	05/12/2022	ND	1.94	97.2	2.00	4.00		
Total Xylenes*	<0.150	0.150	05/12/2022	ND	6.04	101	6.00	4.04		
Total BTEX	<0.300	0.300	05/12/2022	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	32.0	16.0	05/13/2022	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	05/13/2022	ND	218	109	200	8.39	
DRO >C10-C28*	86.5	10.0	05/13/2022	ND	212	106	200	6.68	
EXT DRO >C28-C36	99.7	10.0	05/13/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Christen Hull		Company: Tetra Tech					
Address:		Attn: Christen Hull					
City:		Address: by email					
State:		City:					
Zip:		State:					
Phone #:		Zip:					
Fax #:		Phone #:					
Project #: 212C-MD-02533		Project Owner:					
Project Name: Leamer 9 Plume Release		City:					
Project Location: Lee County, NY		State:					
Sample Name: Colton Bricker		Phone #:					
Fax #:							
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		DATE		TIME	
1		# CONTAINERS		5/12/12			
2		GROUNDWATER					
3		WASTEWATER					
4		SOIL					
5		OIL					
6		SLUDGE					
7		OTHER :					
8		ACID/BASE:					
9		ICE / COOL					
10		OTHER :					
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 17, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: LEAMEX 9 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/13/22 13:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESW - 5 (6')	H222051-01	Soil	13-May-22 00:00	13-May-22 13:31
ESW - 7 (6')	H222051-02	Soil	13-May-22 00:00	13-May-22 13:31
NSW - 1 (4')	H222051-03	Soil	13-May-22 00:00	13-May-22 13:31
NSW - 1 (6')	H222051-04	Soil	13-May-22 00:00	13-May-22 13:31
NSW - 1 (10')	H222051-05	Soil	12-May-22 00:00	13-May-22 13:31

05/17/22 - Client added analysis to sample -05 (See COC). This is the revised report and will replace the one sent on 05/16/22.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

ESW - 5 (6')**H222051-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	2051307	AC	13-May-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2051309	MS/	13-May-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %	69.9-140	2051309	MS/	13-May-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2051308	MS	13-May-22	8015B
DRO >C10-C28*	25.2	10.0	mg/kg	1	2051308	MS	13-May-22	8015B
EXT DRO >C28-C36	24.8	10.0	mg/kg	1	2051308	MS	13-May-22	8015B

Surrogate: 1-Chlorooctane	107 %	66.9-136	2051308	MS	13-May-22	8015B
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Surrogate: 1-Chlorooctadecane	111 %	59.5-142	2051308	MS	13-May-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

ESW - 7 (6')**H222051-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	2051311	AC	13-May-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2051309	MS/	13-May-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %	69.9-140	2051309	MS/	13-May-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2051308	MS	13-May-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2051308	MS	13-May-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2051308	MS	13-May-22	8015B

Surrogate: 1-Chlorooctane	115 %	66.9-136	2051308	MS	13-May-22	8015B
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Surrogate: 1-Chlorooctadecane	117 %	59.5-142	2051308	MS	13-May-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

NSW - 1 (4')

H222051-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2051311	AC	13-May-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2051309	MS/	13-May-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2051309	MS/	13-May-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	
DRO >C10-C28*	137		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	
EXT DRO >C28-C36	156		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	

Surrogate: 1-Chlorooctane			106 %	66.9-136		2051308	MS	16-May-22	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	59.5-142		2051308	MS	16-May-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

NSW - 1 (6')

H222051-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2051311	AC	13-May-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2051309	MS/	13-May-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2051309	MS/	13-May-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %	69.9-140		2051309	MS/	13-May-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	
DRO >C10-C28*	178		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	
EXT DRO >C28-C36	219		10.0	mg/kg	1	2051308	MS	16-May-22	8015B	

Surrogate: 1-Chlorooctane			102 %	66.9-136		2051308	MS	16-May-22	8015B	
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Surrogate: 1-Chlorooctadecane			115 %	59.5-142		2051308	MS	16-May-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

NSW - 1 (10')**H222051-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2051722	GM	17-May-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2051626	MS/	17-May-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2051626	MS/	17-May-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2051626	MS/	17-May-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2051626	MS/	17-May-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2051626	MS/	17-May-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		2051626	MS/	17-May-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2051619	MS	17-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2051619	MS	17-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2051619	MS	17-May-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.7 %	66.9-136		2051619	MS	17-May-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.5 %	59.5-142		2051619	MS	17-May-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2051307 - 1:4 DI Water**Blank (2051307-BLK1)**

Prepared & Analyzed: 13-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2051307-BS1)

Prepared & Analyzed: 13-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2051307-BSD1)

Prepared & Analyzed: 13-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2051311 - 1:4 DI Water**Blank (2051311-BLK1)**

Prepared & Analyzed: 13-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2051311-BS1)

Prepared & Analyzed: 13-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2051311-BSD1)

Prepared & Analyzed: 13-May-22

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Duplicate (2051311-DUP1)**Source: H222051-02**

Prepared & Analyzed: 13-May-22

Chloride	320	16.0	mg/kg		304			5.13	20	
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Batch 2051722 - 1:4 DI Water**Blank (2051722-BLK1)**

Prepared & Analyzed: 17-May-22

Chloride	ND	16.0	mg/kg							
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 2051722 - 1:4 DI Water**LCS (2051722-BS1)**

Prepared & Analyzed: 17-May-22

Chloride	416	16.0	mg/kg	400	104	80-120
----------	-----	------	-------	-----	-----	--------

LCS Dup (2051722-BSD1)

Prepared & Analyzed: 17-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2051309 - Volatiles**Blank (2051309-BLK1)**

Prepared & Analyzed: 13-May-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.0	69.9-140			

LCS (2051309-BS1)

Prepared & Analyzed: 13-May-22

Benzene	1.93	0.050	mg/kg	2.00		96.6	83.4-122			
Toluene	1.91	0.050	mg/kg	2.00		95.7	84.2-126			
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.4	84.2-121			
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.1	89.9-126			
o-Xylene	1.80	0.050	mg/kg	2.00		90.0	84.3-123			
Total Xylenes	5.61	0.150	mg/kg	6.00		93.4	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0491		mg/kg	0.0500		98.1	69.9-140			

LCS Dup (2051309-BS1)

Prepared & Analyzed: 13-May-22

Benzene	2.08	0.050	mg/kg	2.00		104	83.4-122	7.27	12.6	
Toluene	2.06	0.050	mg/kg	2.00		103	84.2-126	7.21	13.3	
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	84.2-121	7.04	13.9	
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89.9-126	7.06	13.6	
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	84.3-123	7.26	14.1	
Total Xylenes	6.02	0.150	mg/kg	6.00		100	89.1-124	7.13	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.7	69.9-140			

Batch 2051626 - Volatiles**Blank (2051626-BLK1)**

Prepared: 16-May-22 Analyzed: 17-May-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2051626 - Volatiles**Blank (2051626-BLK1)**

Prepared: 16-May-22 Analyzed: 17-May-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	69.9-140			

LCS (2051626-BS1)

Prepared: 16-May-22 Analyzed: 17-May-22

Benzene	1.95	0.050	mg/kg	2.00		97.3	83.4-122			
Toluene	1.94	0.050	mg/kg	2.00		97.2	84.2-126			
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.7	84.2-121			
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.5	89.9-126			
o-Xylene	1.84	0.050	mg/kg	2.00		91.8	84.3-123			
Total Xylenes	5.70	0.150	mg/kg	6.00		95.0	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.9	69.9-140			

LCS Dup (2051626-BSD1)

Prepared: 16-May-22 Analyzed: 17-May-22

Benzene	2.07	0.050	mg/kg	2.00		104	83.4-122	6.35	12.6	
Toluene	2.07	0.050	mg/kg	2.00		103	84.2-126	6.03	13.3	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.1	84.2-121	6.75	13.9	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89.9-126	6.67	13.6	
o-Xylene	1.97	0.050	mg/kg	2.00		98.7	84.3-123	7.21	14.1	
Total Xylenes	6.10	0.150	mg/kg	6.00		102	89.1-124	6.84	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0500		97.2	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2051308 - General Prep - Organics**Blank (2051308-BLK1)**

Prepared & Analyzed: 13-May-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	57.8		mg/kg	50.0		116	66.9-136			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0		117	59.5-142			

LCS (2051308-BS1)

Prepared & Analyzed: 13-May-22

GRO C6-C10	216	10.0	mg/kg	200		108	78.5-128			
DRO >C10-C28	208	10.0	mg/kg	200		104	75.8-135			
Total TPH C6-C28	424	10.0	mg/kg	400		106	81.5-127			
Surrogate: 1-Chlorooctane	67.9		mg/kg	50.0		136	66.9-136			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	59.5-142			

LCS Dup (2051308-BS1)

Prepared & Analyzed: 13-May-22

GRO C6-C10	190	10.0	mg/kg	200		95.1	78.5-128	12.5	21.4	
DRO >C10-C28	186	10.0	mg/kg	200		92.8	75.8-135	11.6	17.9	
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	81.5-127	12.1	17.6	
Surrogate: 1-Chlorooctane	60.6		mg/kg	50.0		121	66.9-136			
Surrogate: 1-Chlorooctadecane	62.4		mg/kg	50.0		125	59.5-142			

Batch 2051619 - General Prep - Organics**Blank (2051619-BLK1)**

Prepared: 16-May-22 Analyzed: 17-May-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.6		mg/kg	50.0		81.1	66.9-136			
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.8	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701

Project: LEAMEX 9 FLOWLINE RELEASE
Project Number: 212C-MD-02533
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
17-May-22 12:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 2051619 - General Prep - Organics**LCS (2051619-BS1)**

Prepared & Analyzed: 16-May-22

GRO C6-C10	192	10.0	mg/kg	200		96.0	78.5-128		
DRO >C10-C28	198	10.0	mg/kg	200		99.2	75.8-135		
Total TPH C6-C28	390	10.0	mg/kg	400		97.6	81.5-127		
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.2	66.9-136		
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	59.5-142		

LCS Dup (2051619-BS1)

Prepared: 16-May-22 Analyzed: 17-May-22

GRO C6-C10	193	10.0	mg/kg	200		96.3	78.5-128	0.297	21.4
DRO >C10-C28	192	10.0	mg/kg	200		95.9	75.8-135	3.37	17.9
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	81.5-127	1.55	17.6
Surrogate: 1-Chlorooctane	42.2		mg/kg	50.0		84.3	66.9-136		
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		98.9	59.5-142		

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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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Carose Plastics		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Christen Elliott							
Address:		Company: Tetra Tech					
City:		Attn: Christen Elliott					
State:		Address: by email					
Zip:		City:					
Phone #:		State:					
Fax #:		Zip:					
Project #: 212C-MD-02533		Project Owner:					
Project Name: Leaver 9 Pipeline Release		City:					
Project Location: Lee County, NY		State:					
Sample Name: Coltan Bixerette AP		Phone #:					
FOR LAB USE ONLY		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	SAMPLING	TPH	BTEX	Chlorides								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :													ACID/BASE:	ICE / COOL
4000051	ESW-5 (6')		6			X					5/13/12		X	X	X								
2	ESW-7 (6')		1										X	X	X								
3	NSW-1 (4')		1										X	X	X								
4	NSW-1 (6')		1										X	X	X								
5	NSW-1 (6')		6			X					5/12/12		X	X	X								

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Relinquished By: _____ Date: **5/13/12** Received By: _____

Time: **1:31** Date: _____ Received By: _____

Delivered By: (Circle One) _____ Observed Temp. °C: **28.12** Sample Condition: ☒ Intact ☐ Cool ☐ Yes ☐ No ☐ Yes ☐ No CHECKED BY: **SK** (initials)

Sampler - UPS - Bus - Other: _____ Corrected Temp. °C: **27.06** ☒ Yes ☐ No

Thermometer ID #113 **27.06** Standard ☒ Bacteria (only) Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C: _____

Turnaround Time: _____

REMARKS: **Hold NSW-1 (6') analysis pending results of TDS. Coltan Bixerette AP. Christen Elliott tetra tech, com. NSW-1 (4') and NSW-1 (6')**

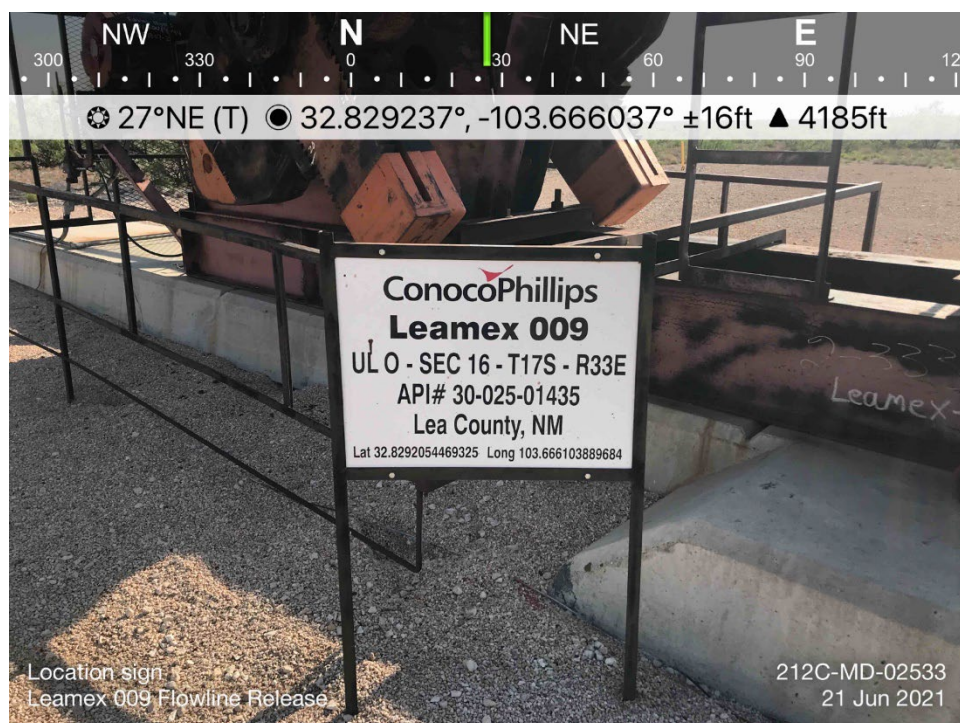
Verbal Result: ☐ Yes ☒ No Add'l Phone #: _____

All Results are emailed. Please provide Email address: _____

Cardinal cannot accept verbal changes. Please email changes to cardinal@tetra-tech.com.

APPENDIX E

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	Leamex 009. Site Signage and location information	1
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	6/21/2021



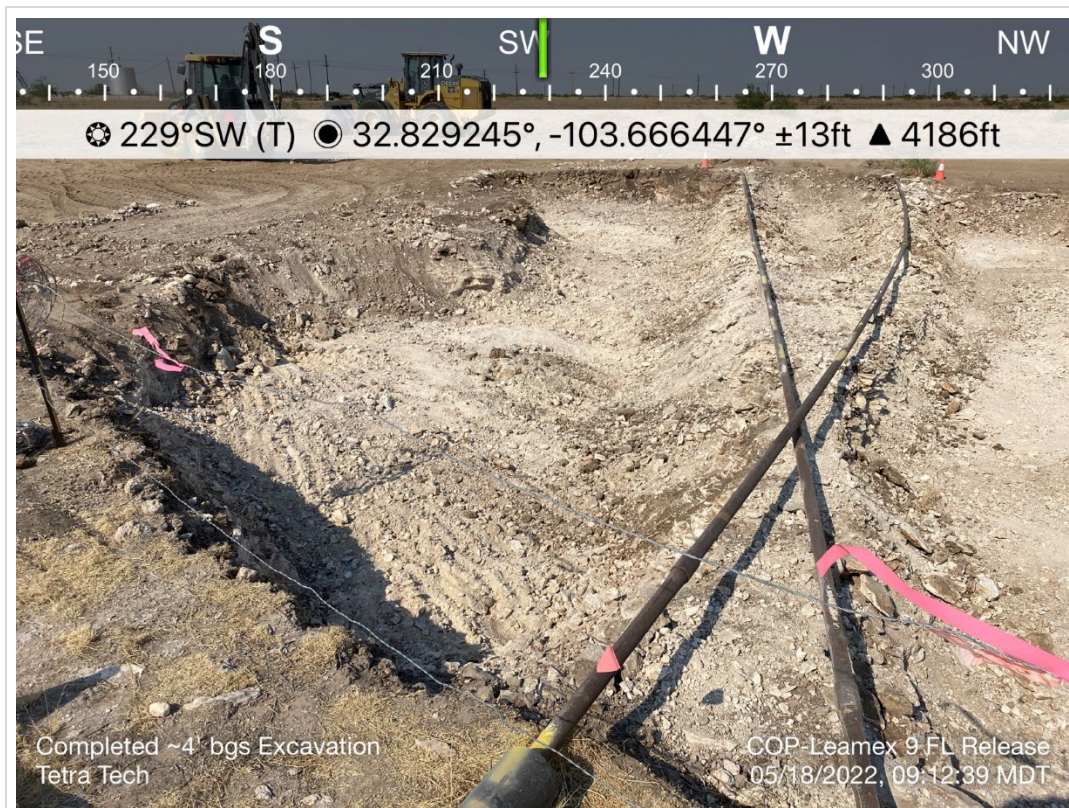
TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View northeast. 1' BGS excavation area.	2
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/12/2022



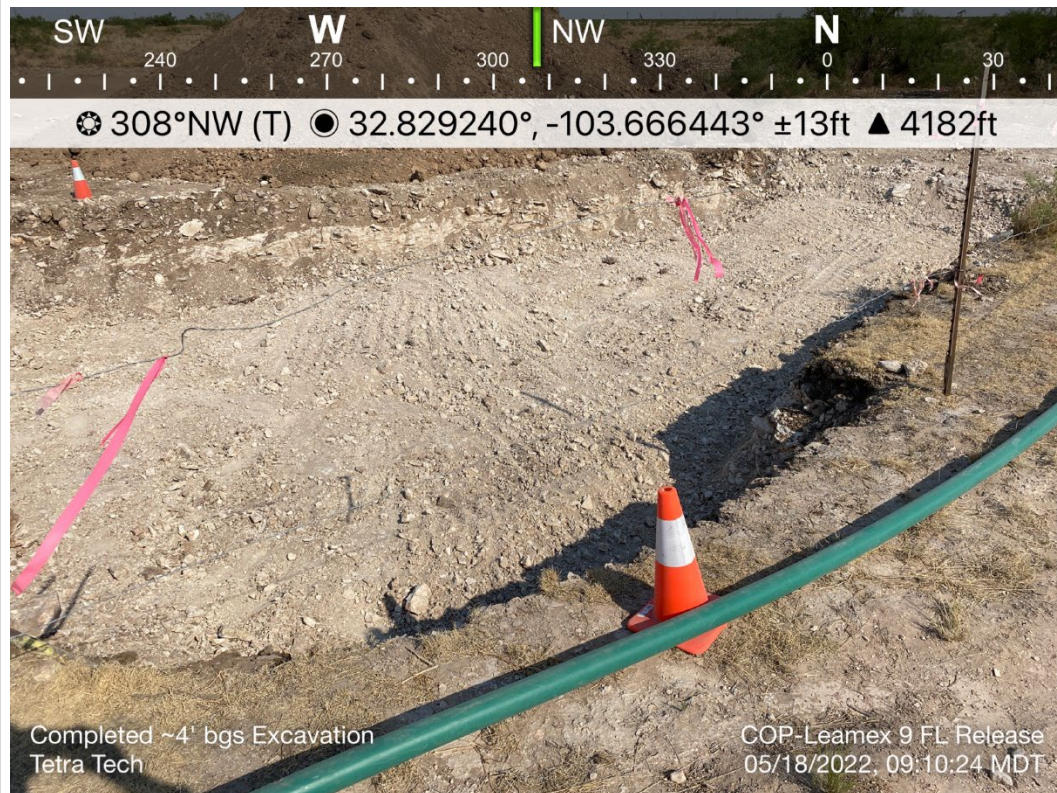
TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View south. 4' BGS excavation area.	3
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View north, 4' BGS excavation area. 1' BGS area at the top of frame.	4
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View southwest. 4' BGS excavation area and intersecting surface flowlines.	5
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/18/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View northwest from the lease road. 4' BGS excavation area.	6
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/18/2022



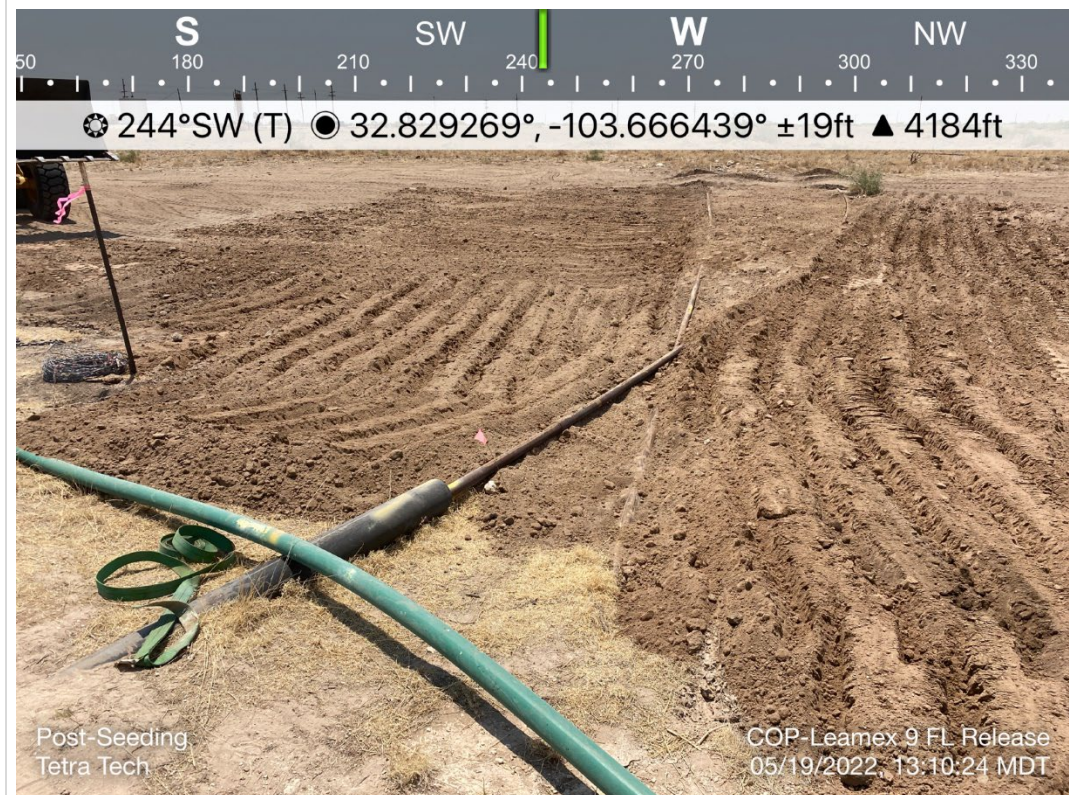
TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View south-southeast. Applying Microblaze on overspray area.	7
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/18/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View east northeast towards lease road. Release extent backfilled and seeded	8
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/18/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View south southwest. Release extent backfilled and seeded.	9
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/19/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02533	DESCRIPTION	View west southwest. Release extent backfilled and seeded.	10
	SITE NAME	ConocoPhillips Leamex 009 Flowline Release	5/19/2022

APPENDIX F

Waste Manifests



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 01
 Manif. Date: 5/9/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1301593
 Bid #: O6UJ9A000HH0
 Date: 5/9/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 02
 Manif. Date: 5/9/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1301630
 Bid #: O6UJ9A000HH0
 Date: 5/9/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 03
 Manif. Date: 5/9/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1301665
 Bid #: O6UJ9A000HH0
 Date: 5/9/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 04
 Manif. Date: 5/9/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1301708
 Bid #: O6UJ9A000HH0
 Date: 5/9/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 05
Manif. Date: 5/10/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1302056
Bid #: O6UJ9A000HH0
Date: 5/10/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 06
Manif. Date: 5/10/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1302112
Bid #: O6UJ9A000HH0
Date: 5/10/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 07
Manif. Date: 5/10/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1302172
Bid #: O6UJ9A000HH0
Date: 5/10/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 08
 Manif. Date: 5/10/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1302240
 Bid #: O6UJ9A000HH0
 Date: 5/10/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 09
Manif. Date: 5/11/2022
Hauler: MCNABB PARTNERS
Driver: JESUS
Truck #: M33
Card #
Job Ref #

Ticket #: 700-1302516
Bid #: O6UJ9A000HH0
Date: 5/11/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

15.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 10
 Manif. Date: 5/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JESUS
 Truck #: M3
 Card #
 Job Ref #

Ticket #: 700-1302572
 Bid #: O6UJ9A000HH0
 Date: 5/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 11
 Manif. Date: 5/12/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1302810
 Bid #: O6UJ9A000HH0
 Date: 5/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 12
 Manif. Date: 5/12/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1302861
 Bid #: O6UJ9A000HH0
 Date: 5/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 13
Manif. Date: 5/12/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1302924
Bid #: O6UJ9A000HH0
Date: 5/12/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 14
Manif. Date: 5/12/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1302988
Bid #: O6UJ9A000HH0
Date: 5/12/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 15
Manif. Date: 5/12/2022
Hauler: MCNABB PARTNERS
Driver: HUGO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-1302841
Bid #: O6UJ9A000HH0
Date: 5/12/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in black ink that reads "Hugo M 31".

A handwritten signature in black ink, appearing to be a stylized name or set of initials.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 16
 Manif. Date: 5/12/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1302888
 Bid #: O6UJ9A000HH0
 Date: 5/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 17
 Manif. Date: 5/12/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1302962
 Bid #: O6UJ9A000HH0
 Date: 5/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Hugo M31

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 18
Manif. Date: 5/13/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1303249
Bid #: O6UJ9A000HH0
Date: 5/13/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 19
 Manif. Date: 5/13/2022
 Hauler: MCNABB PARTNERS
 Driver: URIEL
 Truck #: 86
 Card #
 Job Ref #

Ticket #: 700-1303283
 Bid #: O6UJ9A000HH0
 Date: 5/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 20
Manif. Date: 5/13/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: 32
Card #
Job Ref #

Ticket #: 700-1303285
Bid #: O6UJ9A000HH0
Date: 5/13/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 21
Manif. Date: 5/13/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1303327
Bid #: O6UJ9A000HH0
Date: 5/13/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 22
 Manif. Date: 5/13/2022
 Hauler: MCNABB PARTNERS
 Driver: URIEL
 Truck #: 85
 Card #
 Job Ref #

Ticket #: 700-1303331
 Bid #: O6UJ9A000HH0
 Date: 5/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 23
Manif. Date: 5/16/2022
Hauler: MCNABB PARTNERS
Driver: HUGO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-1304262
Bid #: O6UJ9A000HH0
Date: 5/16/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in black ink that appears to read "Hugo M31".

A handwritten signature in black ink, possibly reading "AS", written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 24
Manif. Date: 5/17/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1304550
Bid #: O6UJ9A000HH0
Date: 5/17/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
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Contaminated Soil (RCRA Exempt)	18.00 yards
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Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 25
Manif. Date: 5/17/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1304578
Bid #: O6UJ9A000HH0
Date: 5/17/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 26
Manif. Date: 5/17/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1304611
Bid #: O6UJ9A000HH0
Date: 5/17/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 27
 Manif. Date: 5/17/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1304647
 Bid #: O6UJ9A000HH0
 Date: 5/17/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 28
 Manif. Date: 5/18/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1304972
 Bid #: O6UJ9A000HH0
 Date: 5/18/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 01435
 Well Name: LEAMEX
 Well #: 009
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: 29
Manif. Date: 5/18/2022
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M76
Card #
Job Ref #

Ticket #: 700-1305012
Bid #: O6UJ9A000HH0
Date: 5/18/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 01435
Well Name: LEAMEX
Well #: 009
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

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Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____

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 109144

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 109144
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/1/2022