



May 17, 2022

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

**Re: Closure Request
ConocoPhillips
SEMU Strawn Battery Header Release
Unit Letter F, Section 25, Township 20 South, Range 37 East
Lea County, New Mexico
Incident ID nRM2007037866**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred at the Southeast Monument Unit (SEMU) Strawn Battery Header Release area (Site). The Site is located in Public Land Survey System (PLSS) Unit Letter F, Section 25, Township 20 South, and Range 37 East, Lea County, New Mexico. The coordinates of the release point are approximately 32.545414°, -103.205854°, located approximately 120 feet southwest of the SEMU Strawn Battery, 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 on February 27, 2020 when a crew was in the process of uncovering flanges from the header to replace a flowline. The date of the release is unknown. Approximately 17.3 barrels (bbls) of produced water were reported released, and no free liquids were recovered during initial response actions. The (NMOCD) received the initial C-141 on March 10, 2020 and subsequently assigned the release the Incident ID nRM2007037866. The SEMU Strawn Battery Header Release extent is shown in Figure 3.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.09 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 within 800 meters (approximately ½ mile) of the Site. Based on data from three (3) water wells located within 3,800 meters (approximately 2.4 miles) of the Site, the average depth to groundwater is 72 feet below ground surface (bgs). The site characterization data is included in Appendix B.

Tetra Tech

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REGULATORY FRAMEWORK

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

As described later in the report, in lieu of drilling a temporary well for groundwater depth verification, COP has elected to remediate to the most stringent RRALs. However, based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

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

INITIAL RESPONSE REMEDIATION & CONFIRMATION SAMPLING RESULTS

During the initial response activities, the approximately 12-foot by 12-foot release area was excavated to approximately 4 feet bgs and fenced shortly following the release date. No soil samples were collected immediately following excavation activities. Tetra Tech conducted a visual Site inspection on behalf of ConocoPhillips on May 19, 2021 to assess current Site conditions and take photographs of the open excavation and surrounding area. Stressed vegetation was observed in the pasture area surrounding the header in an area larger than the reported release extent. Tetra Tech also observed an additional impacted area approximately 130 feet southeast of the SEMU Strawn Battery Header.

Review of historical aerial imagery revealed that the area surrounding the header has been largely lacking substantial vegetation since March 2012, and the vegetation may have been deliberately cleared with the installation of the header. However, vegetative cover surrounding the header has diminished over time, and may be due to historical impacts in the area. The additional impacted area southeast of the header is visible in historical imagery from as far back as 1997.

Tetra Tech returned to the Site on July 14, 2021, to collect confirmation floor and sidewall samples from the excavated area to gauge and/or confirm the effectiveness of the initial response activities. One (1) floor sample and four (4) sidewall samples were collected and submitted to Pace Analytical (Pace) in Mount Juliet, Tennessee for TPH, BTEX, and chlorides. Sample locations, along with the excavated area and the observed historical release area, are shown in Figure 4.

Results from the July 2021 initial response confirmation sampling event are summarized in Table 1. All analytical results associated with July 2021 confirmation sampling event were below the strictest Table I RRALs and reclamation requirements for BTEX, TPH and chloride. The data indicate that the initial response excavation activities were successful in remediating the reported SEMU Strawn Battery Header Release associated with incident ID nRM2007037866.

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SITE ASSESSMENT ACTIVITIES & SAMPLING RESULTS

On August 9, 2021, Tetra Tech personnel returned to the Site to conduct additional soil sampling to assess the observed area of historical impact to the southeast of the SEMU Strawn Battery Header, as well as the area surrounding the header with stressed vegetation. A total of ten (10) hand auger borings were advanced to depths of 3 feet bgs. Five (5) borings (AH-1 through AH-5) were installed within and around the area of stressed vegetation surrounding the SEMU Strawn Battery Header. The remaining five (5) borings (AH-6 through AH-10) were installed within and around the area of observed historical impact to the southeast of the release Site, each to a total depth of 3 feet bgs. Soils at the Site consist of brown loose sands.

On October 7, 2021, Tetra Tech personnel returned to the Site to complete delineation of the historical release area. One hand auger boring (AH-11) was installed within the release extent to a depth of 8 feet bgs to vertically delineate the depth of impact. Three hand auger borings (AH-12 through AH-14) were installed to a depth of 3 feet bgs along the perimeter of the historical release extent to complete horizontal delineation. The site assessment sampling locations, area of stressed vegetation and the observed historical release area are shown in Figure 5.

A total of thirty-one (31) samples were collected from the fourteen (14) borings and submitted to Pace to be analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0.

Results from the August and October 2021 soil sampling event are summarized in Table 2. The analytical results associated with the sample locations in and around the area of stressed vegetation surrounding the SEMU Strawn Battery Header release (AH-1 through AH-5) were below the most stringent Table I RRALs and/or reclamation requirements for all constituents. Analytical results associated with the observed historical contamination (AH-6 through AH-14) were below the most stringent Table I RRALs and/or reclamation requirements for chloride and BTEX. Results for TPH at sample locations AH-6 through AH-11 exceeded the reclamation requirements and/or Table I RRALs to a maximum depth of 5 feet. Following the October 2021 assessment activities, horizontal and vertical delineation of the historical release area was achieved.

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 February 7, 2022, with fee application payment PO Number 3BXHD-220207-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 23, 2022. Mr. Hensley also executed page 4 of the C-141 form included with the Work Plan. NMOCD correspondence is included as Appendix C.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From April 7 to 19, 2022, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Prior to confirmation sampling, on April 1, 2022, the NMOCD division 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. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed reclamation requirements/RRALs to demonstrate compliance.

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. A total of nine (9) floor sample locations and thirteen (13) sidewall sample locations were used 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 6.

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Collected confirmation samples to be submitted for analysis 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. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D.

Based on the approved Work Plan and laboratory analytical results, the impacted area was excavated from 2 to 6 feet below pre-release grade. All final confirmation soil samples (floor and sidewall) were below the respective RRALs and reclamation requirements for chloride, BTEX, and TPH. The results of the April 2022 confirmation sampling event are summarized in Table 3.

All the excavated material was transported offsite for proper disposal. Approximately 579 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, the excavated areas were backfilled with clean material to surface grade. Photographs from 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 April 2022 to aid in revegetation. Based on soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) 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) 338-2661.

Sincerely,
Tetra Tech, Inc.



Nicholas M. Poole
Project Lead



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jenni Fortunato, RMR – ConocoPhillips

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ConocoPhillips

LIST OF ATTACHMENTS

Figures:

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

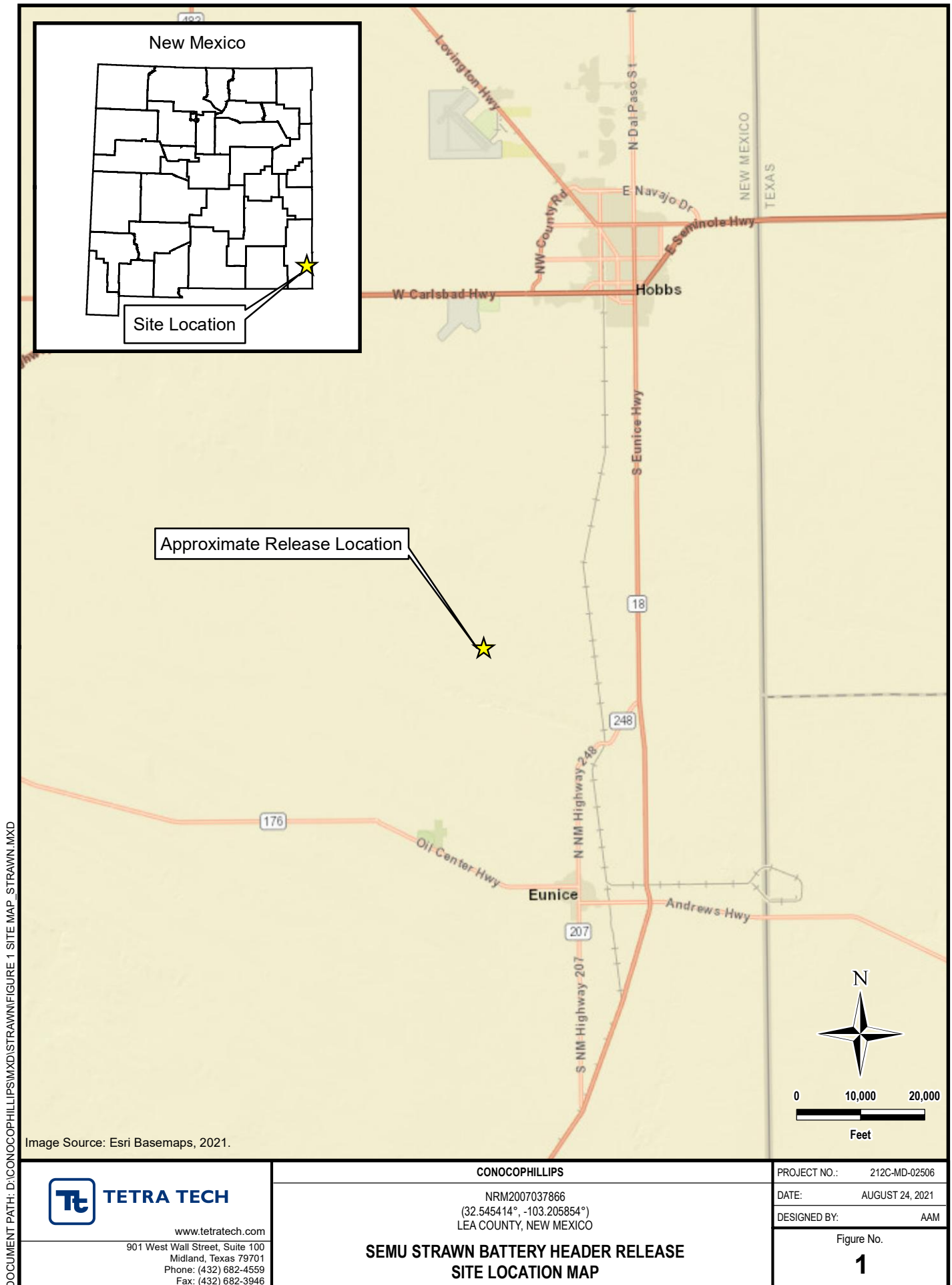
Tables:

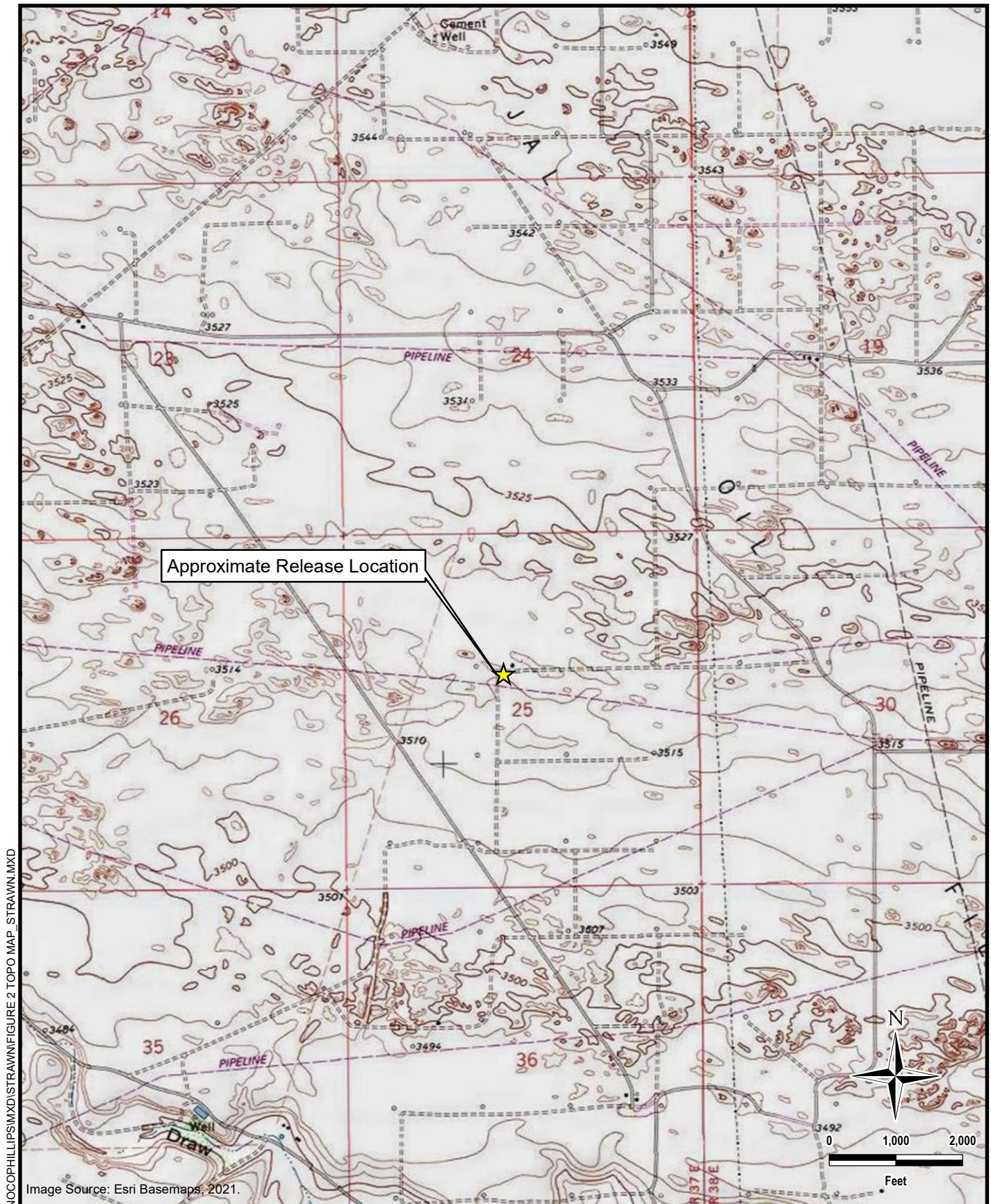
- Table 1 – Summary of Analytical Results – Initial Response Confirmation Sampling
- Table 2 – Summary of Analytical Results – Soil Assessment
- Table 3 – Summary of Analytical Results – Confirmation Sampling

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

FIGURES





DOCUMENT PATH: D:\CONOCOPHILLIPS\MD\STRAWN\FIGURE 2 TOPO MAP - STRAWN.MXD


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CONOCOPHILLIPS

 NRM2007037866
 (32.545414°, -103.205854°)
 LEA COUNTY, NEW MEXICO

**SEMU STRAWN BATTERY HEADER RELEASE
 TOPOGRAPHIC MAP**

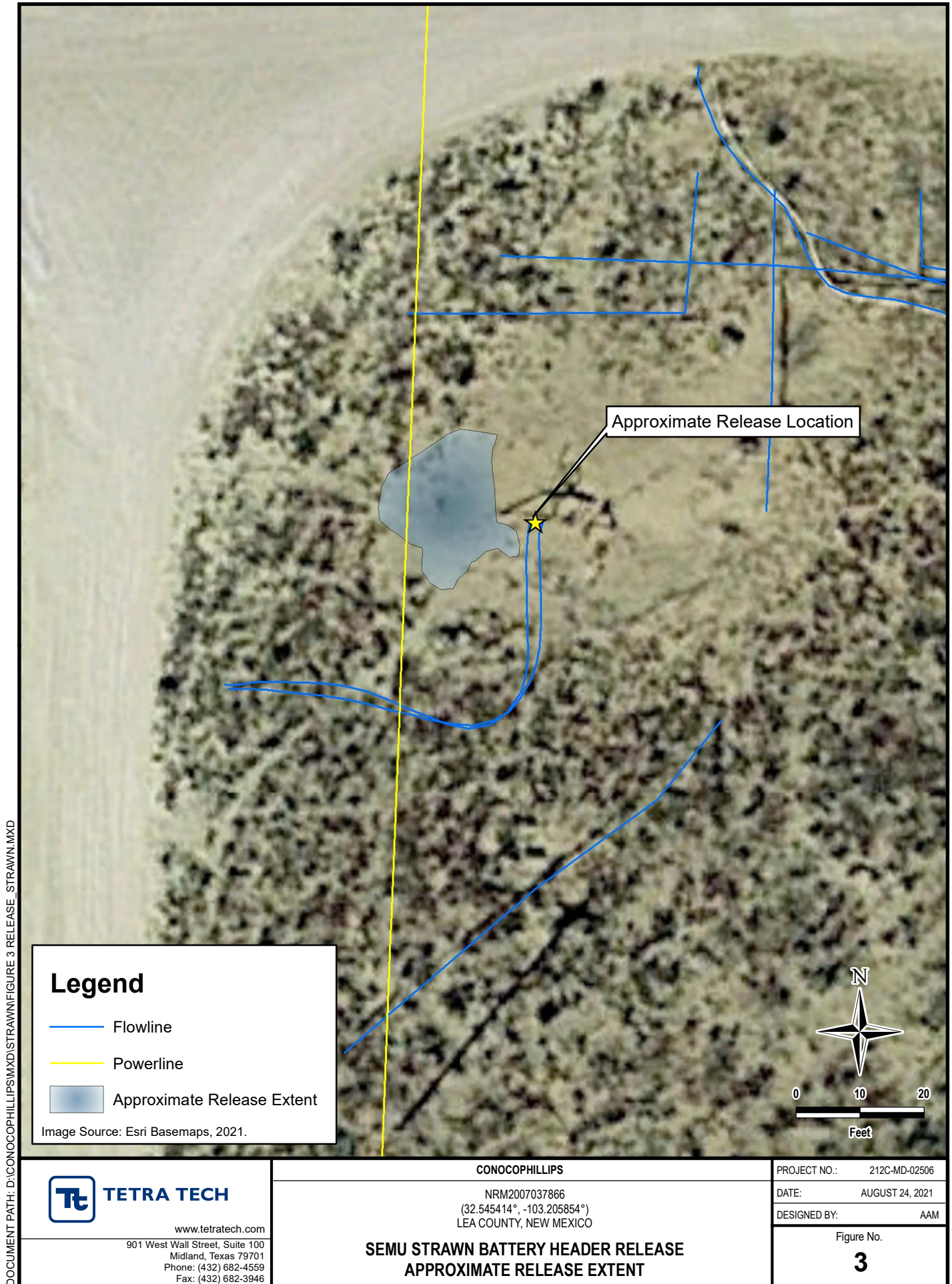
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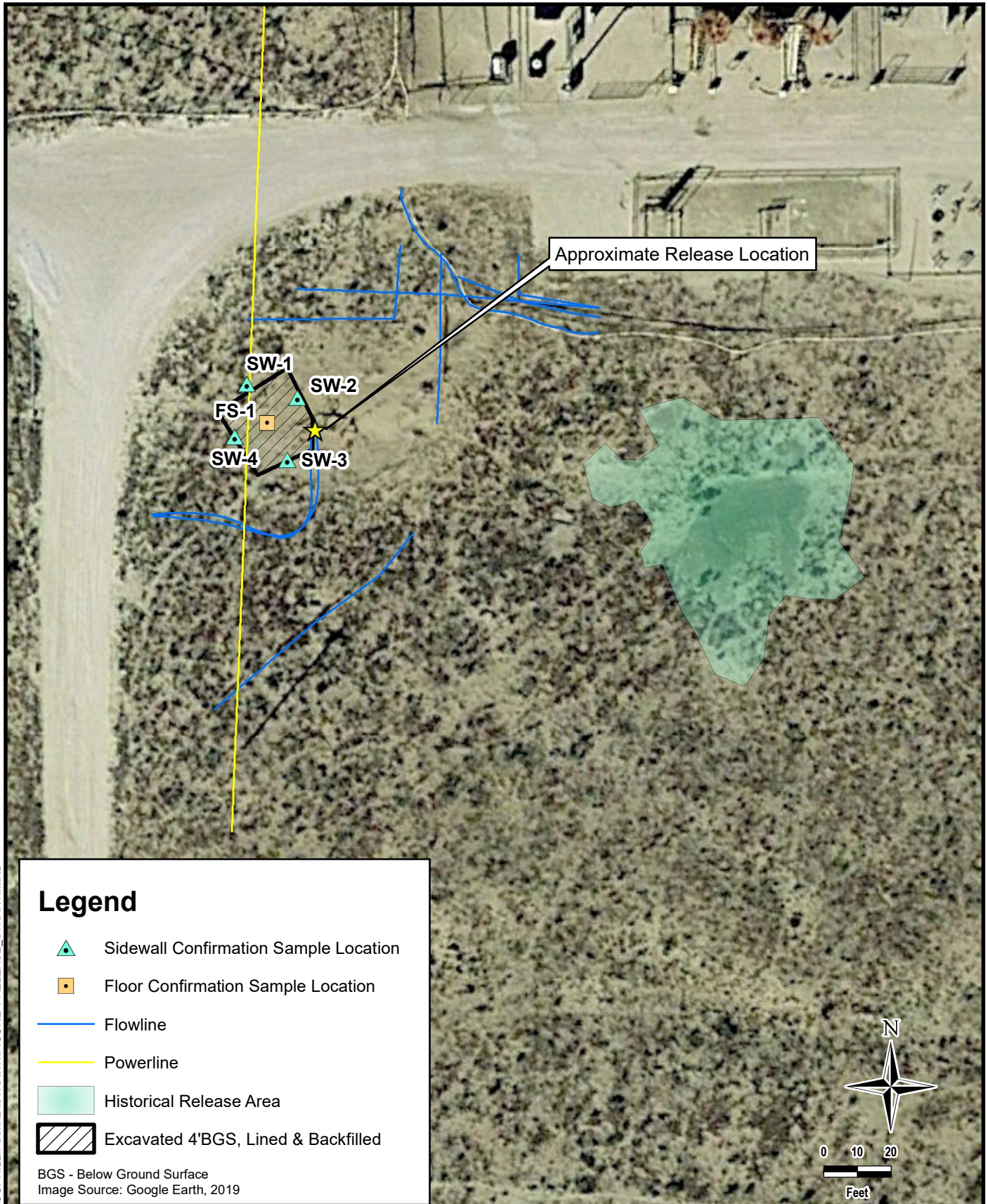
DATE: AUGUST 24, 2021

DESIGNED BY: AAM







Figure No.

2





Legend

-  Sidewall Confirmation Sample Location
-  Floor Confirmation Sample Location
-  Flowline
-  Powerline
-  Historical Release Area
-  Excavated 4'BGS, Lined & Backfilled

BGS - Below Ground Surface
Image Source: Google Earth, 2019



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NRM2007037866
(32.545414°, -103.205854°)
LEA COUNTY, NEW MEXICO

**SEMU STRAWN BATTERY HEADER RELEASE
INITIAL RESPONSE AND CONFIRMATION SAMPLING**

PROJECT NO.: 212C-MD-02506

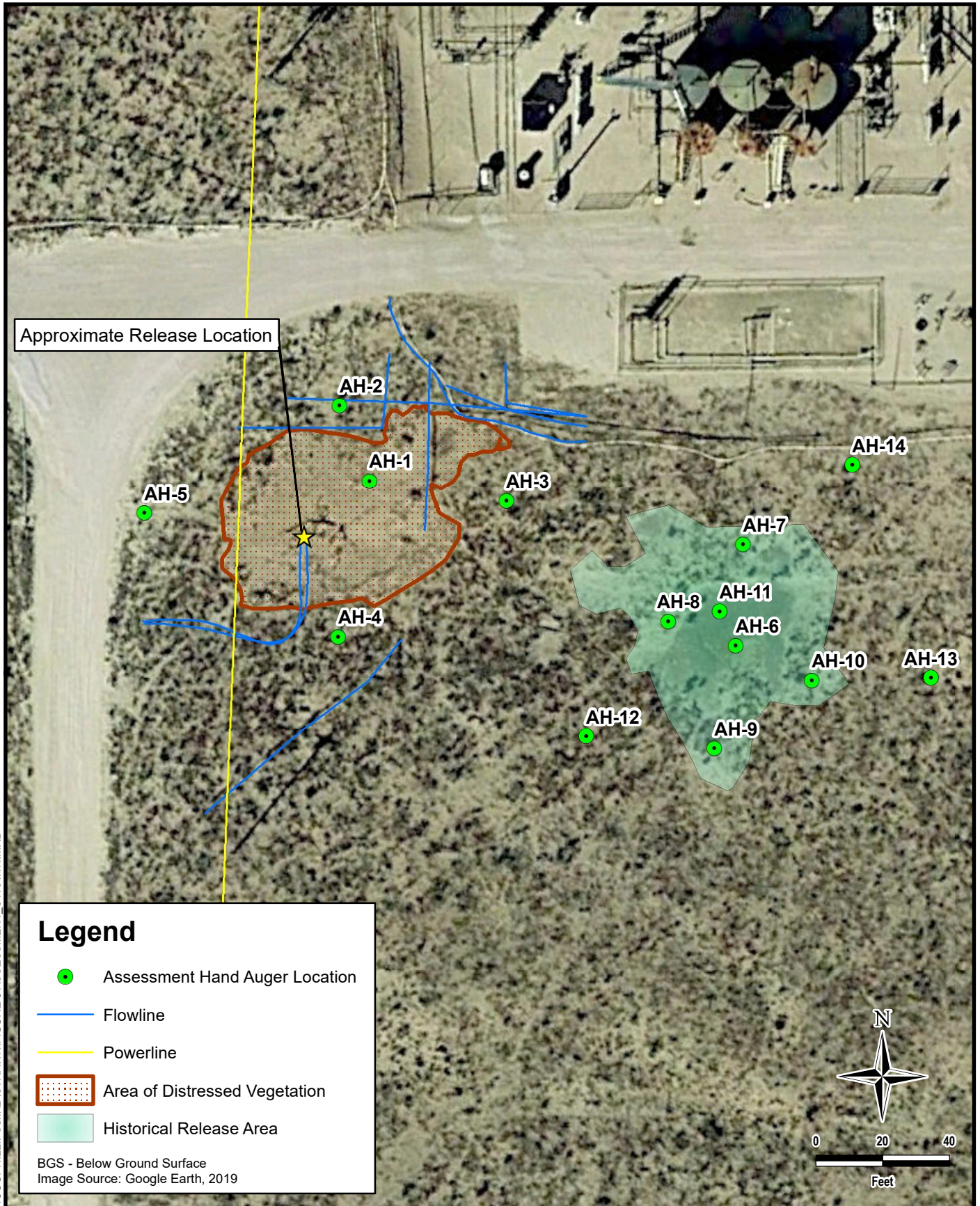
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DESIGNED BY: AAM

Figure No.

4

DOCUMENT PATH: D:\CONOCOPHILLIPS\MD\STRAWN\FIGURE 4 RELEASE_STRAWN.MXD



DOCUMENT PATH: D:\CONOCOPHILLIPS\MD\STRAWN\FIGURE 5 ASSESSMENT_STRAWN.MXD



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**SEMU STRAWN BATTERY HEADER RELEASE
SITE ASSESSMENT MAP**

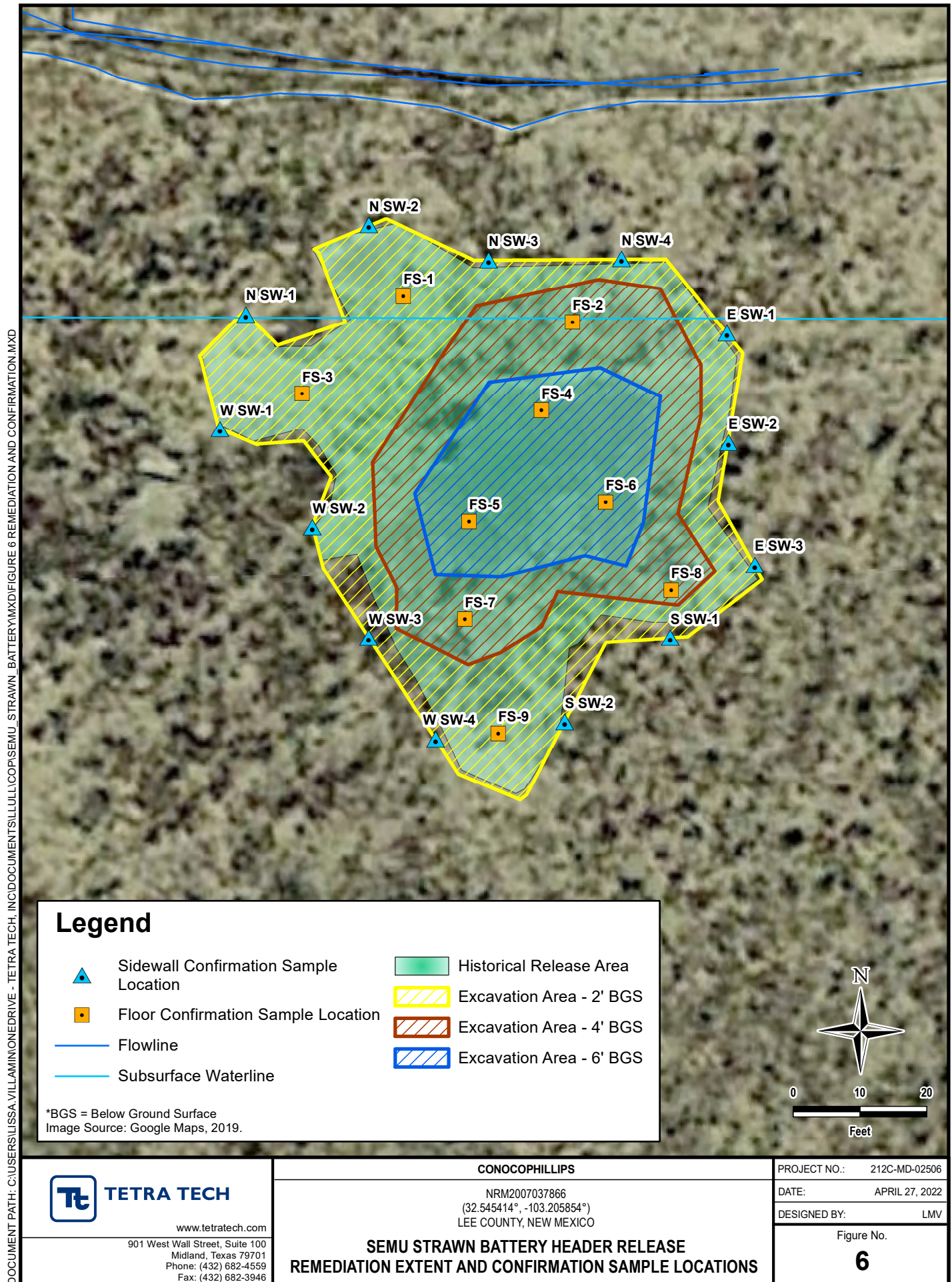
PROJECT NO.: 212C-MD-02506

DATE: NOVEMBER 10, 2021

DESIGNED BY: AAM

Figure No.

5



TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL RESPONSE CONFIRMATION SAMPLING - NRM2007037866
CONOCOPHILLIPS
SEMU STRAWN BATTERY HEADER RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	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	Q	C ₁₀ - C ₂₈	Q	C ₂₈ - C ₄₀	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		
FS-1 (4')	7/14/2021	4	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	
SW-1	7/14/2021	-																				
SW-2	7/14/2021	-																				
SW-3	7/14/2021	-																				
SW-4	7/14/2021	-																				

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 8015M
4 EPA Method 8015D/GRO

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

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.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2007037866
CONOCOPHILLIPS
SEMU STRAWN BATTERY HEADER RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloride ¹		BTEx ²										TPH ³							
			Chloride			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx	Gro ⁴		DRO		ORO		Total TPH (Gro+DRO+ORO)		
				mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	C ₃ - C ₁₀	Q	C ₁₀ - C ₂₈	Q	C ₂₈ - C ₄₀	Q			
			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		
AH-1	8/9/2021	0-1	20.8	< 24.0		< 0.00140		< 0.00702		< 0.00351		< 0.00913		-	0.0621	B J	4.35	J	5.70		10.1		
		2-3	26.7	14.7	J	< 0.00139		< 0.00693		< 0.00347		< 0.00901		-	0.0434	B J	< 4.77		< 4.77		0.0434		
		0-1	25.1	< 20.6		< 0.00106		< 0.00532		< 0.00266		< 0.00691		-	0.0804	B J	< 4.13		1.37	J	1.45		
AH-2	8/9/2021	2-3	12.8	< 24.5		< 0.00145		< 0.00725		< 0.00363		< 0.00943		-	0.0536	B J	< 4.90		0.717	J	0.771		
		0-1	11.8	< 24.7		< 0.00147		< 0.00734		< 0.00367		< 0.00954		-	0.0645	B J	< 4.93		3.71	J	3.77		
AH-3	8/9/2021	2-3	10.2	< 24.7		< 0.00147		< 0.00733		< 0.00367		< 0.00953		-	0.0555	B J	2.34	J	3.81	J	6.21		
		0-1	10.9	< 24.5		< 0.00145		< 0.00724		< 0.00362		< 0.00941		-	0.0850	B J	< 4.89		3.74	J	3.83		
AH-4	8/9/2021	2-3	10.6	< 21.4		< 0.00114		< 0.00571		< 0.00285		< 0.00742		-	0.0547	B J	2.77	J	5.04		7.86		
		0-1	17.2	< 24.2		< 0.00142		< 0.00711		< 0.00355		< 0.00924		-	0.0600	B J	5.03		7.20		12.3		
AH-5	8/9/2021	2-3	56.6	< 21.4		< 0.00114		< 0.00572		< 0.00286		< 0.00744		-	0.0587	B J	31.8		39.1		71.0		
		0-1	5.3	25.4		< 0.00109		< 0.00544		< 0.00272		< 0.00708		-	0.0561	B J	96.4		219		315		
AH-6	8/9/2021	2-3	17.6	< 22.0		< 0.00120		< 0.00600		< 0.00300		< 0.00781		-	0.0522	B J	645		1,110		1,755		
		0-1	22.1	< 24.7		< 0.00147		< 0.00735		< 0.00367		< 0.00955		-	0.0687	B J	5.83		20.2		26.1		
AH-7	8/9/2021	2-3	32.6	< 20.3		< 0.00103		< 0.00517		< 0.00259		< 0.00672		-	0.0502	B J	265		511		776		
		0-1	28.1	< 24.4		< 0.00144		< 0.00721		< 0.00360		< 0.00937		-	0.0626	B J	< 4.88		3.66	J	3.72		
AH-8	8/9/2021	2-3	95.2	< 24.7		< 0.00147		< 0.00733		< 0.00367		< 0.00953		-	0.0584	B J	56.5		127		184		
		0-1	15.8	< 20.6		< 0.00106		< 0.00530		< 0.00265		< 0.00689		-	< 0.103		309		832		1,141		
AH-9	8/9/2021	2-3	9.4	< 24.0		< 0.00140		< 0.00698		< 0.00349		< 0.00908		-	< 0.120		8.32		24.1		32.4		
		0-1	9.8	< 23.9		< 0.00140		< 0.00698		< 0.00349		< 0.00907		-	< 0.120		5.86		12.6		18.5		
AH-10	8/9/2021	2-3	21.1	< 20.2		< 0.00102		< 0.00508		< 0.00254		< 0.00660		-	< 0.101		146		362		508		
		0-1	14.4	< 20.1		0.000673	J	0.0222		< 0.00252		0.0136		0.0365	0.451	J	2,400		4,410		6,810		
AH-11	10/7/2021	2-3	248	< 22.1		< 0.00121		0.00338	J	< 0.00301		< 0.00784		0.00338	0.0333	J	4,610		9,110		13,720		
		4-5	79.1	< 20.3		< 0.00103		0.00501	J	< 0.00258		0.00452	J	0.00953	0.0404	J	2,610		4,420		7,030		
		6-7	76.3	< 21.3	J6	< 0.00113		< 0.00564		< 0.00282		< 0.00733		-	0.0361	J	5.77		8.00		13.8		
		7-8	132	< 21.7		< 0.00117		< 0.00587		< 0.00293		< 0.00763		-	0.0577	J	20.1		37.8		58.0		
AH-12	10/7/2021	0-1	5.6	< 20.4		< 0.00104		< 0.00522		< 0.00261		< 0.00679		-	0.0407	J	3.52	J	13.0		16.6		
		2-3	11.9	< 20.2		< 0.00102		< 0.00508		< 0.00254		< 0.00660		-	< 0.101		1.65	J	1.98	B J	3.63		
AH-13	10/7/2021	0-1	7.5	< 20.2		< 0.00102		< 0.00512		< 0.00256		< 0.00666		-	< 0.101		2.09	J	14.7		16.8		
		2-3	51.4	< 21.5		< 0.00115		< 0.00577		< 0.00288		< 0.00750		-	< 0.108		3.11	J	5.04		8.15		
AH-14	10/7/2021	0-1	14.3	< 20.4		< 0.00104		0.00362	J	< 0.00259		0.0104		0.0140	< 0.102		4.03	J	15.7		19.7		
		2-3	21.2	< 20.3		< 0.00103		0.00378	J	< 0.00258		0.00883		0.0126	< 0.102		2.61	J	4.17		6.78		

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 8015M
4 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed 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.
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - NRM2007037866
CONOCOPHILLIPS
SEMU STRAWN BATTERY HEADER 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)	
															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		
FS-1	4/13/2022	2	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-2	4/14/2022	4	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-3	4/13/2022	2	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-4	4/12/2022	6	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-5	4/12/2022	6	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-6	4/12/2022	6	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-7	4/13/2022	4	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-8	4/13/2022	4	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-9	4/12/2022	2	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-1	4/11/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-2	4/11/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-3	4/11/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-4	4/11/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-1	4/11/2022	-	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-2	4/11/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-3	4/11/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-1	4/12/2022	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-2	4/12/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-1	4/12/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-2	4/12/2022	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-3	4/12/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-4	4/12/2022	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

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	NRM2007037866
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party ConocoPhillips	OGRID 217817
Contact Name Charles Beauvais	Contact Telephone + 575-988-2043
Contact email – charles.r.beauvais@conocophillips.com	Incident # (assigned by OCD)
Contact mailing address – 15 W London Rd, Loving, NM 88256	

Location of Release Source

Latitude 32.545414 Longitude -103.205854
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Header South of Strawn Battery – SEMU 146	Site Type: Header/Flowline
Date Release Discovered: 02/27/2020	API# (if applicable) 30-025-34977

Unit Letter	Section	Township	Range	County
F	25	20S	37E	LEA

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Deck Millard Est#4193, Terry Richey)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 17.3	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

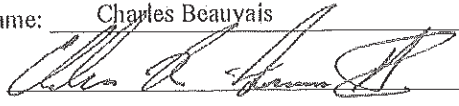
Line was isolated for replacement. While crew was in the process of uncovering flanges from header, a past leak was discovered. Actual release date is unknown; however, the spill area was estimated at 17.3 bbls according to spill calculator.

Incident ID	NRM2007037866
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? An authorized release of a volume, excluding gas, in excess of 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was made on 3/3/2020 to Mr. Billings, Mr. Griswold, and NMOCD general email. Notification was made by self, Charles Beauvais. To determine the volume we had to wait for one call and weather to clear. We have since excavated out the material to determine what the volume was.	

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>Charles Beauvais</u> Signature:  email: <u>charles.r.beauvais@conocophillips.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>3/9/2020</u> Telephone: <u>575-988-2043</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>3/10/2020</u>	

Released to Imaging: 2/23/2022 10:26:59 AM

Received by OCD: 2/7/2022 10:46:30 PM

L48 Spill Volume Estimate Form

Facility Name & Number:		Header south of Strawn Battery							
Asset Area:		Hobbs							
Release Discovery Date & Time:		2/27/2020							
Release Type:		Produced Water							
Provide any known details about the event:		While preparing header for decommissioning, group found spill area. One call and weather delay held estimation up.							
Spill Calculation - Subsurface Spill - Rectangle									
Was the release on pad or off-pad?				See reference table below					
Has it rained at least a half inch in the last 24 hours?				See reference table below					
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	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	12.0	12.0	70.00	11.55%	149.520	17.270			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:						17.270			

NRM2007037866

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Incident ID	NRM2007037866
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?	<u>72</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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

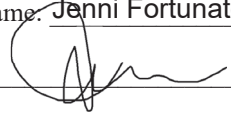
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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	NRM2007037866
District RP	
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Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jenni Fortunato Title: Program Manager, Remediation
Signature:  Date: 2/3/22
email: jenni.fortunato@cop.com Telephone: 8324862477

OCD Only

Received by: _____ Date: _____

Incident ID	NRM2007037866
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: 2/3/22

email: jenni.fortunato@cop.com

Telephone: 8324862477

OCD Only

Received by: Chad Hensley

Date: 02/23/2022

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

Date: 02/23/2022

Incident ID	nRM2007037866
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: Jenni Fortunato

Title: Program Manager, Remediation

Signature: 

Date: 5/17/22

email: jenni.fortunato@cop.com

Telephone: 832-486-2477

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: Jennifer Nobui

Date: 05/31/2022

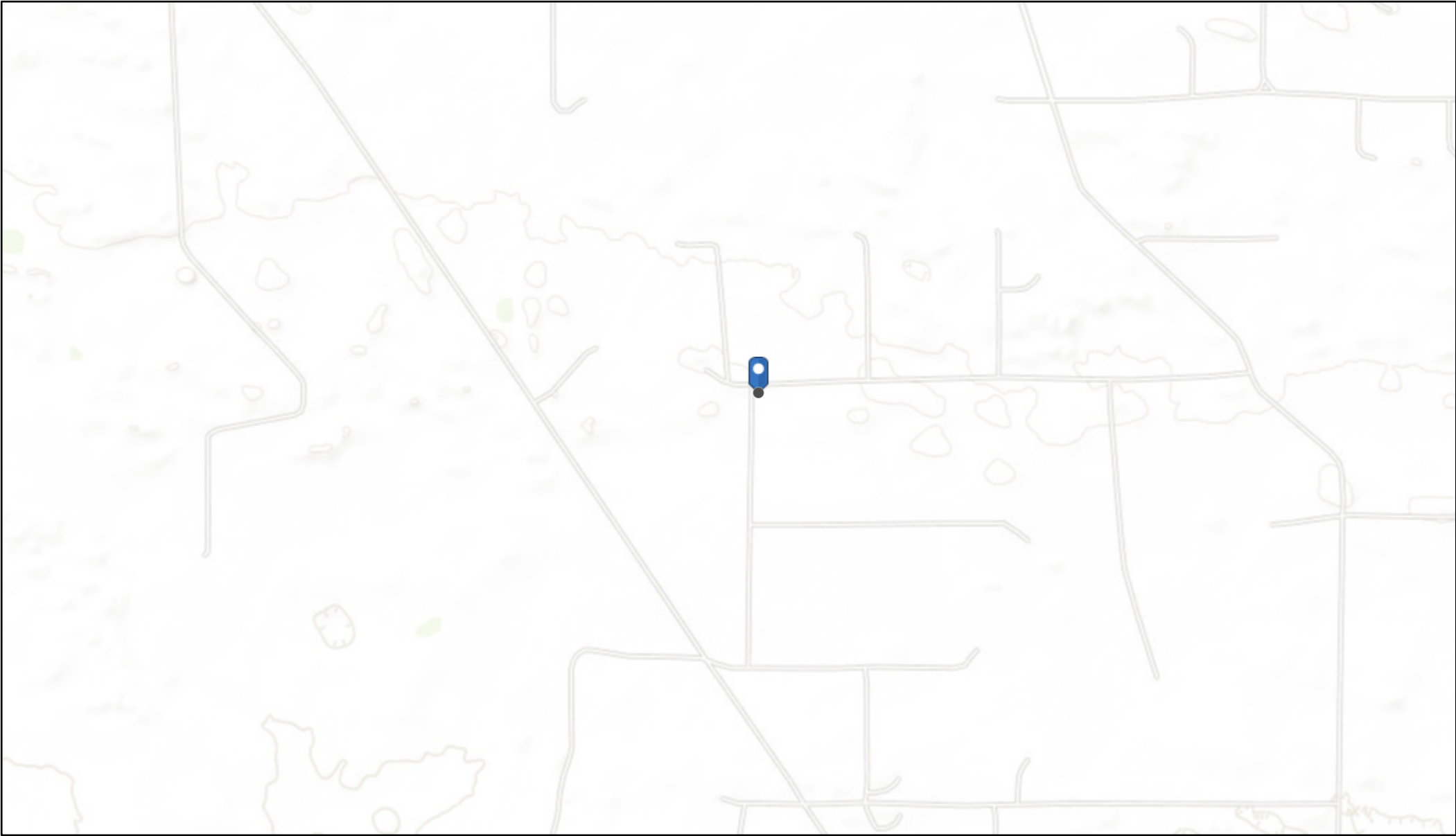
Printed Name: Jennifer Nobui

Title: Environmental Specialist A

APPENDIX B

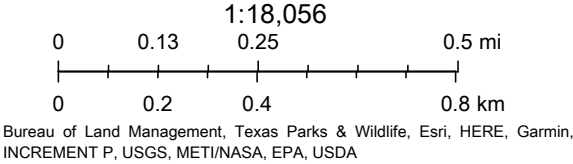
Site Characterization Data

NMOCD Waterbodies



5/20/2021, 3:33:29 PM





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



SEMU Strawn Battery Header Release

Karst Potential Map

Legend


-  Approximate Release Point
-  High
-  Low
-  Medium

Google Earth

© 2021 Google

Released to Imaging: 5/31/2022 11:52:36 AM

Monument

 Approximate Release Point



8 mi



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 04412 S	L	LE		4	4	2	13	20S	37E	669189	3605491*	3259	155	84	71
L 04412	L	LE		4	2	2	13	20S	37E	669181	3605894*	3651	140	85	55
L 05350	L	LE			2	1	13	20S	37E	668279	3605980*	3672	100		
CP 01486 POD1	CP	LE		4	2	1	05	21S	37E	670333	3599085	3727	140	52	88
L 05351	L	LE			2	2	13	20S	37E	669082	3605995*	3733	115		
L 10117	L	LE		1	1	2	13	20S	37E	668580	3606086*	3775	130	70	60

Average Depth to Water: **72 feet**

Minimum Depth: **52 feet**

Maximum Depth: **85 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 668467.52

Northing (Y): 3602312.6

Radius: 3800

*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.

5/20/21 2:39 PM

Page 1 of 1



WATER COLUMN/ AVERAGE
DEPTH TO WATER

APPENDIX C

Regulatory Correspondence

Poole, Nicholas

From: OCDOnline@state.nm.us
Sent: Wednesday, February 23, 2022 11:27 AM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 79347

 **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#) nRM2007037866, with the following conditions:

- **Closure report due 05/23/2022**
- **NOTE: The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.**

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: Poole, Nicholas
Sent: Friday, April 1, 2022 2:30 PM
To: ocd.enviro@state.nm.us
Cc: chad.hensley@state.nm.us; Lull, Christian
Subject: FW: Incident ID: nRM2007037866- Confirmation Sampling

RE: Incident ID (n#) **nRM2007037866** (SEMU Strawn Battery Header 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 April 7, 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 April 7 through April 14, 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@tetratech.com

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

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Please consider the environment before printing. [Read more](#)



APPENDIX D

Laboratory Analytical Data



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

April 12, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SEMU STRAWN BATTERY HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 16:29.

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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: NSW - 1 (H221477-01)

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	04/12/2022	ND	1.95	97.4	2.00	8.20	
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21	
Total BTEX	<0.300	0.300	04/12/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	ND	400	100	400	3.92	

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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.9 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: NSW - 2 (H221477-02)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: NSW - 3 (H221477-03)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: NSW - 4 (H221477-04)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: ESW - 1 (H221477-05)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: ESW - 2 (H221477-06)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 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:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: ESW - 3 (H221477-07)

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	04/12/2022	ND	1.95	97.4	2.00	8.20		
Toluene*	<0.050	0.050	04/12/2022	ND	1.94	97.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.86	92.8	2.00	8.65		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.77	96.1	6.00	8.21		
Total BTX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/12/2022	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	04/12/2022	ND	176	88.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	175	87.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.5 % 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

Page 1 of 1

Company Name: Conoco Phillips		P.O. #:		BILL TO										ANALYSIS REQUEST																															
Project Manager: Christian Lucil		City:		State:		Zip:		Company: Fetra Tech																																					
Address:		City:		State:		Zip:		Attn: Christian Lucil																																					
Phone #:		City:		State:		Zip:		Address:																																					
Project #: 212C-MD-02506		City:		State:		Zip:		Phone #:																																					
Project Owner: SEMA stream Battery Header		City:		State:		Zip:		Fax #:																																					
Project Location: Lea County NM		City:		State:		Zip:		Phone #:																																					
Sample Name: Andrew Garcia		City:		State:		Zip:		Fax #:																																					
FOR LAB USE ONLY		P.O. #:		City:		State:		Zip:																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		BTX		Chlorides 4500											
1		NSW-1		G 1		1		X																		4/11		900		X		X		X											
2		NSW-2																										930		X		X		X											
3		NSW-3																										1000		X		X		X											
4		NSW-4																										1030		X		X		X											
5		ESW-1																										1100		X		X		X											
6		ESW-2																										1130		X		X		X											
7		ESW-3																										1200		X		X		X											
1781471																																													
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Relinquished By:		Date:		Time:		Received By:		Date:		Time:																																			
Delivered By: (Circle One)		Observed Temp. °C: 23.96		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: SK (Initials)		Turnaround Time:		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>																																			
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 23.46		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #113		Correction Factor -0.5°C																																			
FORM-000 R3.2 10/07/21																																													

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



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

April 13, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SEMU STRAWN BATTERY HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/12/22 16:14.

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 style with a large, stylized 'C' and 'K'.

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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: WSW - 1 (H221510-01)

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	04/13/2022	ND	2.12	106	2.00	6.97	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18	
Total BTX	<0.300	0.300	04/13/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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*=Accredited Analyte

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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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: WSW - 2 (H221510-02)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.3 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: WSW - 3 (H221510-03)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: WSW - 4 (H221510-04)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: SSW - 1 (H221510-05)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTEX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.2 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: SSW - 2 (H221510-06)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/13/2022	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	04/13/2022	ND	179	89.3	200	12.1	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.2 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 4 (6') (H221510-07)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	04/13/2022	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	04/13/2022	ND	194	97.2	200	1.12	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	219	110	200	5.14	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 5 (6') (H221510-08)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/13/2022	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	04/13/2022	ND	194	97.2	200	1.12	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	219	110	200	5.14	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 6 (6') (H221510-09)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	04/13/2022	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	04/13/2022	ND	194	97.2	200	1.12	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	219	110	200	5.14	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 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:	04/12/2022	Sampling Date:	04/12/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 9 (2') (H221510-10)

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	04/13/2022	ND	2.12	106	2.00	6.97		
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	6.43		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	100	2.00	6.66		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.19	103	6.00	6.18		
Total BTX	<0.300	0.300	04/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	04/13/2022	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	04/13/2022	ND	194	97.2	200	1.12	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	219	110	200	5.14	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 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 "C. D. Keene", written over a horizontal line.

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: <u>Conoco Phillips</u>										P.O. #:		BILL TO										ANALYSIS REQUEST																	
Project Manager: <u>Christian Llwl</u>																																							
Address:																																							
City:										State:		Zip:		Company: <u>Tetra Tech</u>																									
Phone #:										Fax #:		Project Owner:		Attn: <u>Christian Llwl</u>																									
Project #:												City:		State:		Zip:																							
Project Name: <u>Sewer Strawn</u>												Phone #:																											
Project Location: <u>Lea County, NM</u>												Fax #:																											
Sampler Name: <u>Andrew Garcia</u>																																							
FOR LAB USE ONLY																																							
Lab I.D.										Sample I.D.																													
H2A1510																																							
1										WSW-1		G		1																									
2										WSW-2																													
3										WSW-3																													
4										WSW-4																													
5										SSW-1																													
6										SSW-2																													
7										FS-4 (6')																													
8										FS-5 (6')																													
9										FS-6 (6')																													
10										FS-7 (2')																													
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Relinquished By: <u>Andrew Garcia</u>										Date: <u>8/4/12/22</u>		Received By: <u>Christian Llwl</u>																											
Relinquished By: <u>Andrew Garcia</u>										Time: <u>11:14</u>		Received By: <u>Christian Llwl</u>																											
Time:																																							
Delivered By: (Circle One)										Observed Temp. °C: <u>30.86</u>		Sample Condition: <u>Cool</u> <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <u>SL</u> (Initials)																									
Sampler - UPS - Bus - Other:										Corrected Temp. °C: <u>30.36</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																											
Turnaround Time:										Standard <u>Rush</u> <input checked="" type="checkbox"/>		Bacteria (only) <input type="checkbox"/>		Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																									
Thermometer ID #113										Correction Factor -0.5°C																													
REMARKS: <u>Christian Llwl @ TetraTech.com</u>																																							
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Phone #:																													
All Results are emailed. Please provide Email address: <u>Christian.Llwl@TetraTech.com</u>																																							



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

April 14, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SEMU STRAWN BATTERY HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/13/22 16:29.

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



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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:	04/13/2022	Sampling Date:	04/13/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 1 (2') (H221544-01)

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	04/14/2022	ND	2.10	105	2.00	5.90		
Toluene*	<0.050	0.050	04/14/2022	ND	2.08	104	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/14/2022	ND	2.07	103	2.00	5.92		
Total Xylenes*	<0.150	0.150	04/14/2022	ND	6.39	106	6.00	6.09		
Total BTEX	<0.300	0.300	04/14/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/14/2022	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	04/14/2022	ND	192	96.2	200	2.66	
DRO >C10-C28*	<10.0	10.0	04/14/2022	ND	184	92.0	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	04/14/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 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:	04/13/2022	Sampling Date:	04/13/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 3 (2') (H221544-02)

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	04/14/2022	ND	2.10	105	2.00	5.90		
Toluene*	<0.050	0.050	04/14/2022	ND	2.08	104	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/14/2022	ND	2.07	103	2.00	5.92		
Total Xylenes*	<0.150	0.150	04/14/2022	ND	6.39	106	6.00	6.09		
Total BTX	<0.300	0.300	04/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/14/2022	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	04/14/2022	ND	192	96.2	200	2.66	
DRO >C10-C28*	<10.0	10.0	04/14/2022	ND	184	92.0	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	04/14/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 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:	04/13/2022	Sampling Date:	04/13/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 7 (4') (H221544-03)

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	04/14/2022	ND	2.10	105	2.00	5.90	
Toluene*	<0.050	0.050	04/14/2022	ND	2.08	104	2.00	5.57	
Ethylbenzene*	<0.050	0.050	04/14/2022	ND	2.07	103	2.00	5.92	
Total Xylenes*	<0.150	0.150	04/14/2022	ND	6.39	106	6.00	6.09	
Total BTEX	<0.300	0.300	04/14/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/14/2022	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	04/14/2022	ND	192	96.2	200	2.66	
DRO >C10-C28*	<10.0	10.0	04/14/2022	ND	184	92.0	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	04/14/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 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:	04/13/2022	Sampling Date:	04/13/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 8 (4') (H221544-04)

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	04/14/2022	ND	2.10	105	2.00	5.90		
Toluene*	<0.050	0.050	04/14/2022	ND	2.08	104	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/14/2022	ND	2.07	103	2.00	5.92		
Total Xylenes*	<0.150	0.150	04/14/2022	ND	6.39	106	6.00	6.09		
Total BTX	<0.300	0.300	04/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	04/14/2022	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	04/14/2022	ND	192	96.2	200	2.66	
DRO >C10-C28*	<10.0	10.0	04/14/2022	ND	184	92.0	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	04/14/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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.

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

Caley 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

Page 1 of 1

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

April 18, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SEMU STRAWN BATTERY HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/14/22 14:24.

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:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/18/2022	Sampling Type:	Soil
Project Name:	SEMU STRAWN BATTERY HEADER	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02506	Sample Received By:	Shalyn Rodriguez
Project Location:	COG -LEA CO NM		

Sample ID: FS - 2 (4') (H221570-01)

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	04/15/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	04/15/2022	ND	2.07	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	04/15/2022	ND	2.04	102	2.00	0.865	
Total Xylenes*	<0.150	0.150	04/15/2022	ND	6.29	105	6.00	1.68	
Total BTEX	<0.300	0.300	04/15/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/18/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2022	ND	218	109	200	2.60	
DRO >C10-C28*	<10.0	10.0	04/15/2022	ND	220	110	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	04/15/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 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



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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

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.

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

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

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APPENDIX E

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	Site signage; SEMU Strawn Battery and location information.	1
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	8/9/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View east southeast. Incident release area, 4-foot excavation and exposed line.	2
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	7/19/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View north northeast. Incident release area, 4-foot excavation with liner being installed.	3
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	7/19/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View northeast. Incident release area, backfilled and seeded.	4
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	7/19/2021



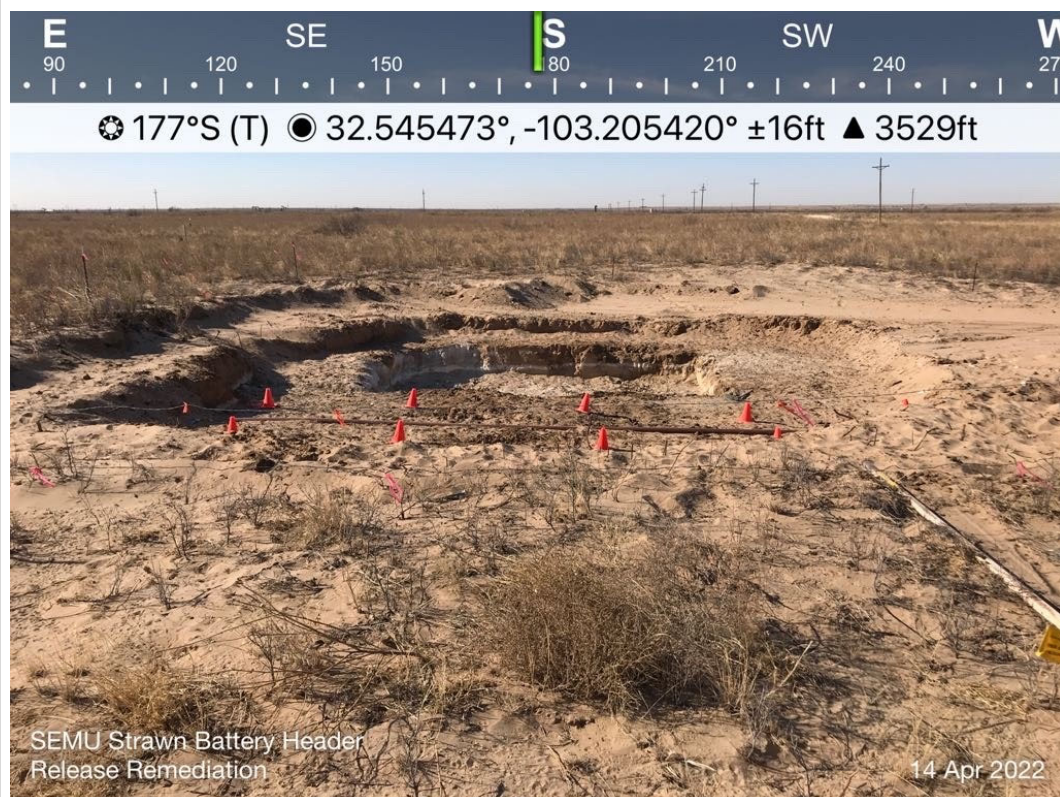
TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View northeast. Historical release area, 2'-6' excavation.	5
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/14/2022



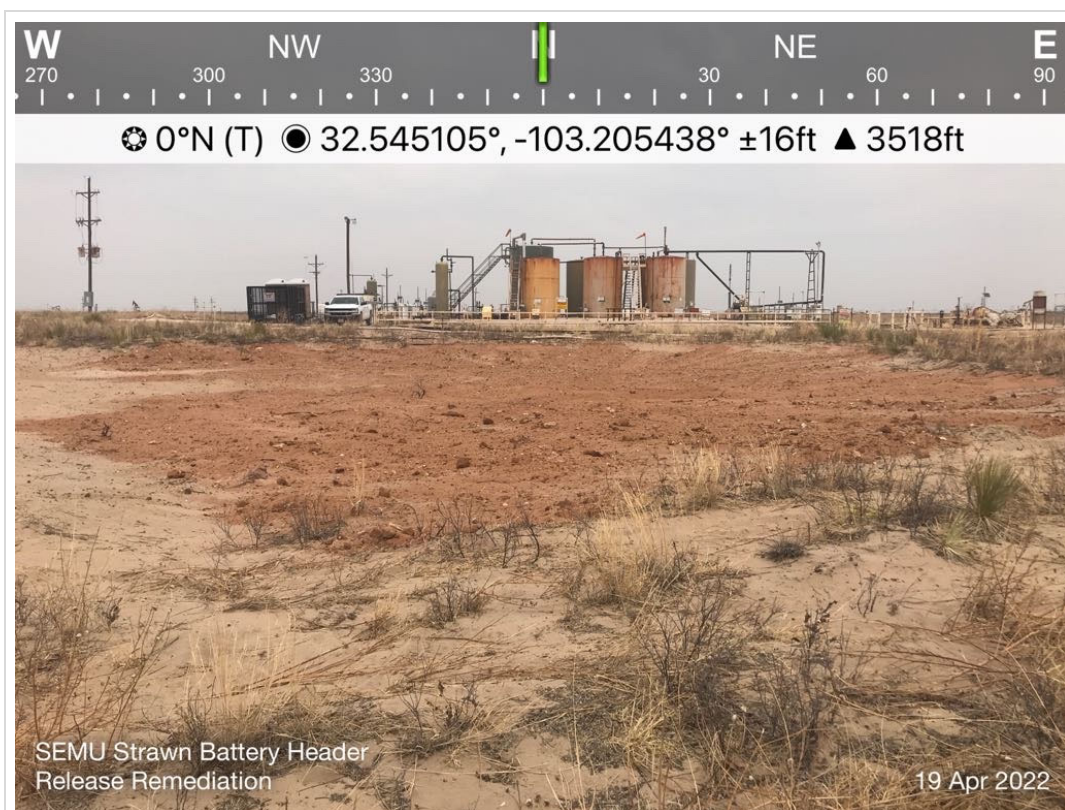
TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View north. Historical release area, 2'-6' excavation.	6
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/13/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View west. Historical release area, 2'-6' excavation.	7
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/14/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View south. Historical release area, 2'-6' excavation.	8
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/14/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View north. Historical release area, backfilled and seeded.	9
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/19/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02506	DESCRIPTION	View west. Historical release area, backfilled and seeded.	10
	SITE NAME	ConocoPhillips SEMU Strawn Battery Header Release	4/19/2022

APPENDIX F

Waste Manifests



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 1
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1293280
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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 #: 2
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293285
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

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: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 3
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1293283
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 4
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1293347
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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 #: 5
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293351
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 6
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1293363
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 7
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1293418
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 8
 Manif. Date: 4/11/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293419
 Bid #: O6UJ9A000HH0
 Date: 4/11/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 9
Manif. Date: 4/11/2022
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M34
Card #
Job Ref #

Ticket #: 700-1293441
Bid #: O6UJ9A000HH0
Date: 4/11/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 10
 Manif. Date: 4/12/2022
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M76
 Card #
 Job Ref #

Ticket #: 700-1293638
 Bid #: O6UJ9A000HH0
 Date: 4/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 11
 Manif. Date: 4/12/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293639
 Bid #: O6UJ9A000HH0
 Date: 4/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 12
 Manif. Date: 4/12/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1293645
 Bid #: O6UJ9A000HH0
 Date: 4/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Permian Basin

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: ANDREW RICHARDS
 AFE #:
 PO #:
 Manifest #: 13
 Manif. Date: 4/12/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293679
 Bid #: O6UJ9A000HH0
 Date: 4/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
50/51	0.00	0.00	0.00	0		16.00	4.00			

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: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 14
Manif. Date: 4/12/2022
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M32-MS4
Card #
Job Ref #

Ticket #: 700-1293696
Bid #: O6UJ9A000HH0
Date: 4/12/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 15
 Manif. Date: 4/12/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1293740
 Bid #: O6UJ9A000HH0
 Date: 4/12/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 16
Manif. Date: 4/12/2022
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M34
Card #
Job Ref #

Ticket #: 700-1293786
Bid #: O6UJ9A000HHO
Date: 4/12/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 17
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1294004
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 18
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1294005
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 19
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: JESUS
 Truck #: M33
 Card #
 Job Ref #

Ticket #: 700-1294023
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 20
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1294043
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

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

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 21
Manif. Date: 4/13/2022
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M34
Card #
Job Ref #

Ticket #: 700-1294046
Bid #: O6UJ9A000HH0
Date: 4/13/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: STRAWN BATTERY
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (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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Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 22
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: JESUS
 Truck #: M33
 Card #
 Job Ref #

Ticket #: 700-1294106
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

15 ~~20.00~~ 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: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 23
Manif. Date: 4/13/2022
Hauler: MCNABB PARTNERS
Driver: HUGO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-1294108
Bid #: O6UJ9A000HH0
Date: 4/13/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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):
☐ 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 M31".

A handwritten signature in black ink, appearing to be a stylized "A" or "B".

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 24
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1294115
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 25
 Manif. Date: 4/13/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1294131
 Bid #: O6UJ9A000HH0
 Date: 4/13/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: SEMU STRAWN
 Well #: BATTERY
 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):
☐ 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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 26
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: JESUS
 Truck #: M33
 Card #
 Job Ref #

Ticket #: 700-1294336
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (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):
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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: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 27
Manif. Date: 4/14/2022
Hauler: MCNABB PARTNERS
Driver: HUGO
Truck #: M31
Card #
Job Ref #

Ticket #: 700-1294335
Bid #: O6UJ9A000HH0
Date: 4/14/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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):
☐ 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 M31".

A handwritten signature in black ink, appearing to be "JDO".

Customer Approval**THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 28
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1294344
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 29
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: JESUS
 Truck #: M33
 Card #
 Job Ref #

Ticket #: 700-1294386
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (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):
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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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 30
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1294388
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (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

Hugo M31

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 31
Manif. Date: 4/14/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1294389
Bid #: O6UJ9A000HH0
Date: 4/14/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: STRAWN BATTERY
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (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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Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 32
Manif. Date: 4/14/2022
Hauler: MCNABB PARTNERS
Driver: JOE
Truck #: M34
Card #
Job Ref #

Ticket #: 700-1294393
Bid #: O6UJ9A000HH0
Date: 4/14/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: ANDREW GAARCIA
AFE #:
PO #:
Manifest #: 33
Manif. Date: 4/14/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1294453
Bid #: O6UJ9A000HH0
Date: 4/14/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: STRAWN BATTERY
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (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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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: ANDREW GARCIA
AFE #:
PO #:
Manifest #: 34
Manif. Date: 4/14/2022
Hauler: MCNABB PARTNERS
Driver: JESUS
Truck #: M33
Card #
Job Ref #

Ticket #: 700-1294455
Bid #: O6UJ9A000HH0
Date: 4/14/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: SEMU STRAWN
Well #: BATTERY
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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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 35
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck #: M31
 Card #
 Job Ref #

Ticket #: 700-1294454
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Facility: CRI

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

Generator Certification Statement of Waste Status

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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: ANDREW GARCIA
 AFE #:
 PO #:
 Manifest #: 36
 Manif. Date: 4/14/2022
 Hauler: MCNABB PARTNERS
 Driver: JOE
 Truck #: M34
 Card #
 Job Ref #

Ticket #: 700-1294474
 Bid #: O6UJ9A000HH0
 Date: 4/14/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: STRAWN BATTERY
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (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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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 107917

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 107917
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/31/2022