



January 11, 2022

District Supervisor  
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, New Mexico 88210

**Re: Closure Request  
ConocoPhillips  
James A #12 Flowline Release  
Unit Letter O/P, Section 2, Township 22 South, Range 30 East  
Eddy County, New Mexico  
2RP-5696  
Incident ID NRM1931856084**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred from a flowline associated with the James A #012 well (API No. 30-015-26761). The release footprint is located in Public Land Survey System (PLSS) Unit Letter O/P, Section 2, Township 22 South, Range 30 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.417242°, -103.847278°, as shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Oil Conservation District (NMOCD) C-141 Initial Report, the release was discovered on October 16, 2019. The release occurred as the result of a flowline leak and reportedly encompassed an area of approximately 1,300 square feet (sf) of production pad. Approximately 18 barrels (bbls) of produced water were released, of which no volume of fluid was recovered. The New Mexico Oil Conservation District (NMOCD) received the initial C-141 on November 14, 2019 and subsequently assigned the release the Remediation Permit (RP) number 2RP-5696 and the Incident ID NRM1931856084. The initial C-141 form is included in Appendix A.

## SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of high karst potential. Additionally, several streambeds were identified within ½ mile of the Site, but these have been identified as ephemeral drainage channels.

The Site is within a New Mexico oil and gas production area. According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within 800 meters (approximately ½ mile) of the Site. The search radius was expanded and based on available data from one (1) water well located within 5,600 meters (approximately 3.47 miles) of the Site, the average depth to groundwater is 262 ft below ground surface (bgs). The site characterization data is included in Appendix B.

Tetra Tech

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

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

Closure Request  
January 11, 2022

ConocoPhillips

## REGULATORY FRAMEWORK

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

Based on the site characterization, the remediation RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## 2019 SITE ASSESSMENT ACTIVITIES & SAMPLING RESULTS

On November 5, 2019, ConocoPhillips (COP) personnel were onsite to advance four (4) soil borings (SP #1 through SP #4), to a terminal depth of 8 ft bgs each. Soil borings were installed in the release area footprint to assess and define the extent of impacted soils. A total of twenty (20) soil samples were collected from the four borings and submitted to Cardinal Laboratories in Hobbs, NM to be analyzed for chloride via EPA Method SM4500Cl-B. The Site assessment sampling locations are shown in Figure 3.

Analytical results for chloride exceeded the Site RRAL of 600 mg/kg in all sample intervals from SP #1 and SP #2; in the surface sample interval collected from SP #3; and in the surface sample and the 8 ft bgs sample in SP #4. Table 1 summarizes the laboratory analytical results from the 2019 site assessment.

## WORK PLAN SUBMITTAL AND REJECTION

Following the 2019 assessment, a Work Plan (Remediation Plan) was prepared by COP and submitted to NMOCD on January 13, 2020. The Remediation Plan reported the results of the initial assessment and provided an outline for the proposed closure actions for the Site.

The Work Plan was rejected via email by Cristina Eads, NMOCD, on February 27, 2020. Ms. Eads stated the plan was denied based on the following:

*“Benzene, BTEX, and TPH were not analyzed. At least one sample must be collected from the point of release and analyzed for Benzene, BTEX, and TPH. If concentrations of the aforementioned constituents are detected in the sample(s), delineation and confirmation samples will need to be collected and analyzed for all constituents listed in Table 1.*

*• The Remediation pages of the C-141 were not included with the submittal.”*

Copies of the Remediation Plan and denial email from the NMOCD are included in Appendix C.

## ADDITIONAL SITE ASSESSMENT ACTIVITIES AND RESULTS

On behalf of ConocoPhillips, Tetra Tech personnel were onsite on July 21, 2020 to assess current site conditions and take photographs of the impacted area. During the site visit, visibly stained soils were observed in the immediate vicinity of the James A #12 well and within the reported release extent.

On December 16, 2020 Tetra Tech personnel returned to the Site to advance six (6) soil borings to horizontally and vertically delineate the release extent. Two (2) borings (BH-1 and BH-2) were installed within the release extent using an air rotary drill rig to depths of 50 and 40 ft bgs, respectively. Four (4)

Closure Request  
January 11, 2022

ConocoPhillips

hand auger borings (BH-3 through BH-6) were installed outside the perimeter of the release extent to depths of 6 ft bgs. All samples were field screened for salinity using an ExTech EC400 ExStik and for total hydrocarbons using a photoionization detector (PID) to measure volatile organics.

A total of forty (40) samples were collected from the six (6) borings and submitted to Pace Analytical (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. Sample locations are shown in Figure 3.

Results from the December 2020 soil sampling event are summarized in Table 2. Analytical results associated with vertical boring location BH-1 exceeded the Site RRAL for chloride of 600 mg/kg in the sample depth intervals to 40 ft bgs, and BH-2 exceeded the Site RRAL for chloride of 600 mg/kg in the sample depth intervals 0-5 ft bgs and 19-30 ft bgs. Additionally, analytical results associated with boring location BH-3 (located north of the release point) exceeded the Site RRAL for chloride at all intervals tested, 0-1 ft through 6-7 ft bgs. Analytical results associated with boring locations BH-3 and BH-4 (located north and east of the release point) exceeded the Site RRAL for TPH at intervals 2-3 ft bgs and 0-1 ft bgs, respectively. Boring locations BH-5 and BH-6 did not exceed the Site RRALs in any of the sampled depths.

### **ADDITIONAL DELINEATION ACTIVITIES & SAMPLING RESULTS**

Based on the results of the December 2020 site assessment activities, delineation of the release was determined incomplete. Additional soil sampling north of BH-3 and east of B-4 was conducted in order to fully characterize the horizontal extent of the release extent.

On March 1, 2021, Tetra Tech personnel returned to the Site to further delineate and sample the release area. A total of two (2) borings (BH-7 and BH-8) were installed using a hand auger to depths of 3 ft bgs. A total of four (4) samples were collected from the two (2) boring locations (BH-7 and BH-8) to the north and east of the well pad, respectively.

Collected samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0. Sample locations are shown in Figure 3.

The results the March 2021 sampling event are summarized in Table 2. Analytical results associated with the collected samples were below the established RRALs for TPH, BTEX and chlorides. The Site release extent has been vertically and horizontally delineated.

### **REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN**

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on April 30, 2021 with fee application payment PO Number 43Y80-210430-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Robert Hamlet on Tuesday, August 17, 2021.

### **REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING**

From December 7 to December 22, 2021, 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. 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 RRALs to demonstrate compliance.

Closure Request  
January 11, 2022

ConocoPhillips

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 twenty-five (25) floor sample locations and twenty-eight (28) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation central sidewall sample locations were designated as CSW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 3) post-additional excavation. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected.

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.

The initial round of confirmation soil sampling indicated elevated concentrations of chloride, TPH and/or BTEX in the remaining soil. The areas of the excavation associated with the sample locations exhibiting chloride, BTEX and/or TPH concentrations above the Site RRALs were expanded and/or deepened. Once the impacted soil was presumed to have been removed, iterative confirmation sampling was conducted. After receiving analytical results that were below Site RRALs for chloride, TPH and BTEX in these expanded and deepened areas, the release area is considered to have been remediated in accordance with 19.15.29.12 NMAC.

Based on laboratory analytical results, the western portion of the impacted area was excavated to depths ranging from 1 foot to 4 feet below pre-release grade, the central and southeastern portions were excavated to 1 foot below pre-release grade, and the northeastern portion was excavated to 2 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 December 2021 confirmation sampling events are summarized in Table 3.

All the excavated material was transported offsite for proper disposal. Approximately 1,115 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Photographs from the excavated areas prior to backfill are provided in Appendix E. 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. Copies of the waste manifests are included in Appendix F.

## RECLAMATION

As prescribed in the Work Plan, the backfilled areas (including the area identified to the northeast of the existing release footprint) were seeded in December 2021 to aid in revegetation. Based on soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy Loam (SL) 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.



Closure Request  
January 11, 2022

ConocoPhillips

## CONCLUSION

ConocoPhillips respectfully requests closure of the release 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) 338-2661.

Sincerely,  
**Tetra Tech, Inc.**



Christian M. Llull, P.G.  
Program Manager

cc:  
Mr. Jenni Fortunato, RMR – ConocoPhillips  
Mr. Charles Beauvais, GPBU – ConocoPhillips

Closure Request  
January 11, 2022

ConocoPhillips

## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Site Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Site Assessments
- Figure 4 – Remediation Extents and Confirmation Sampling Locations

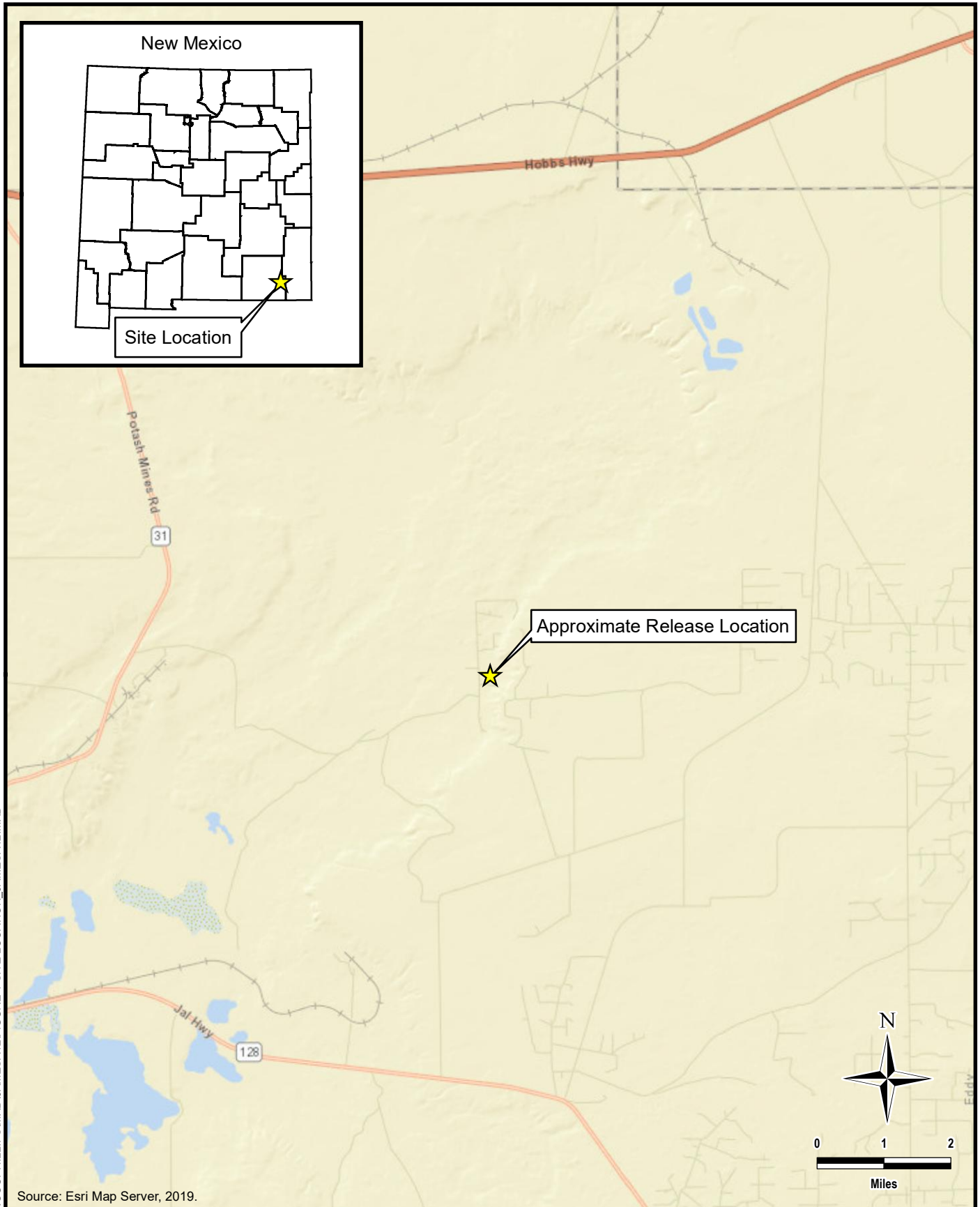
### Tables:

- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment
- Table 3 – Summary of Analytical Results – Soil Remediation

### Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Remediation Plan & NMOCD Denial Email (2020)
- Appendix D – Laboratory Analytical Data
- Appendix E – Photographic Documentation
- Appendix F – Waste Manifests

## **FIGURES**



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\JAMESA12\FIGURE 1 SITE LOCATION \_JAMESA12.MXD



**TETRA TECH**

www.tetrattech.com

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

CONOCOPHILLIPS

2RP-5696/NRM1931856084  
(32.417242°, -103.847278°)  
EDDY COUNTY, NEW MEXICO

**JAMES A #12 FLOWLINE RELEASE  
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02366

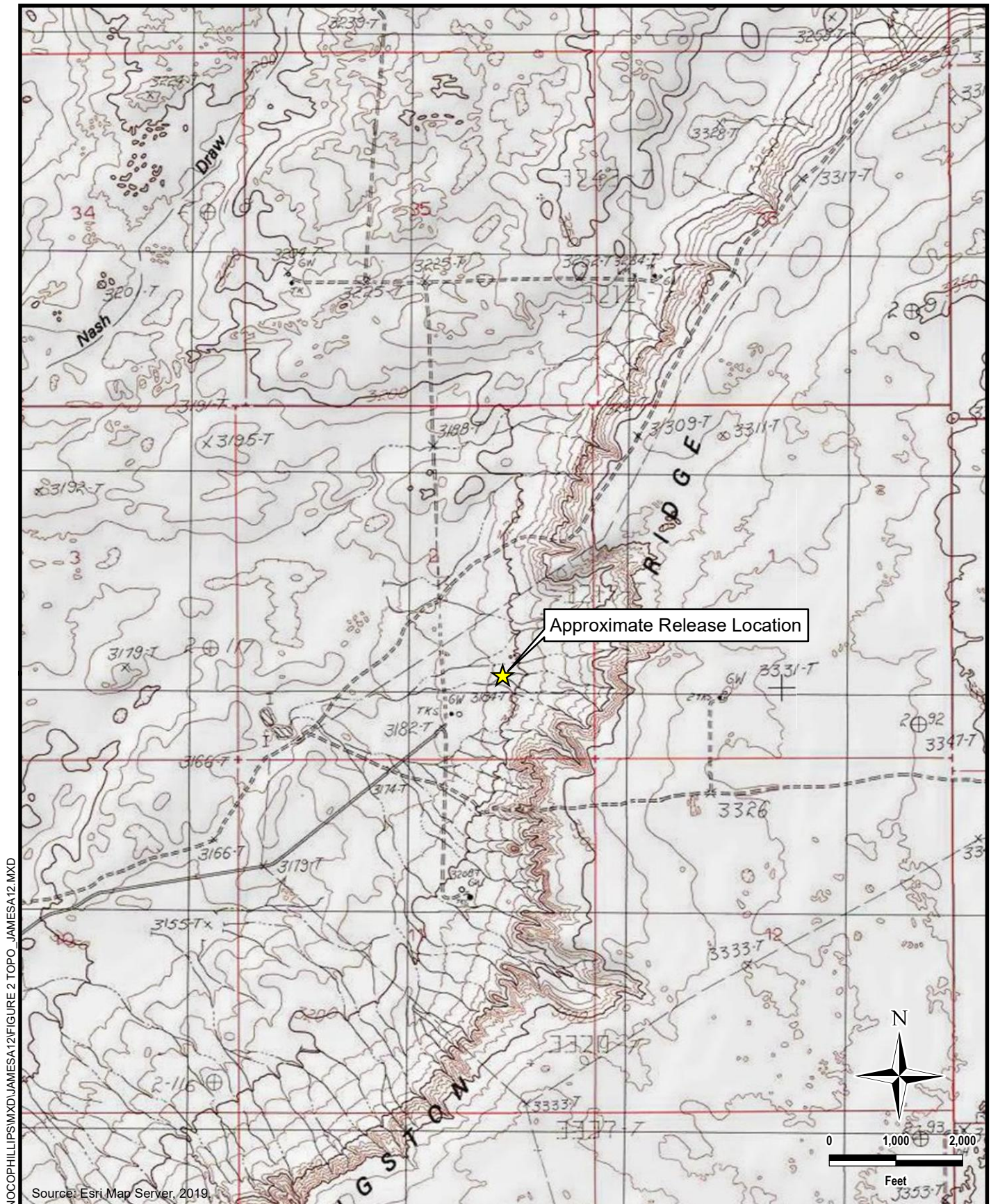
DATE: JANUARY 06, 2022

DESIGNED BY: AAM

Figure No.

**1**





DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\JAMESA12\FIGURE 2 TOPO\_JAMESA12.MXD


**TETRA TECH**
[www.tetrattech.com](http://www.tetrattech.com)

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

**CONOCOPHILLIPS**

 2RP-5696/NRM1931856084  
 (32.417242°, -103.847278°)  
 EDDY COUNTY, NEW MEXICO

**JAMES A #12 FLOWLINE RELEASE  
 TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-02366

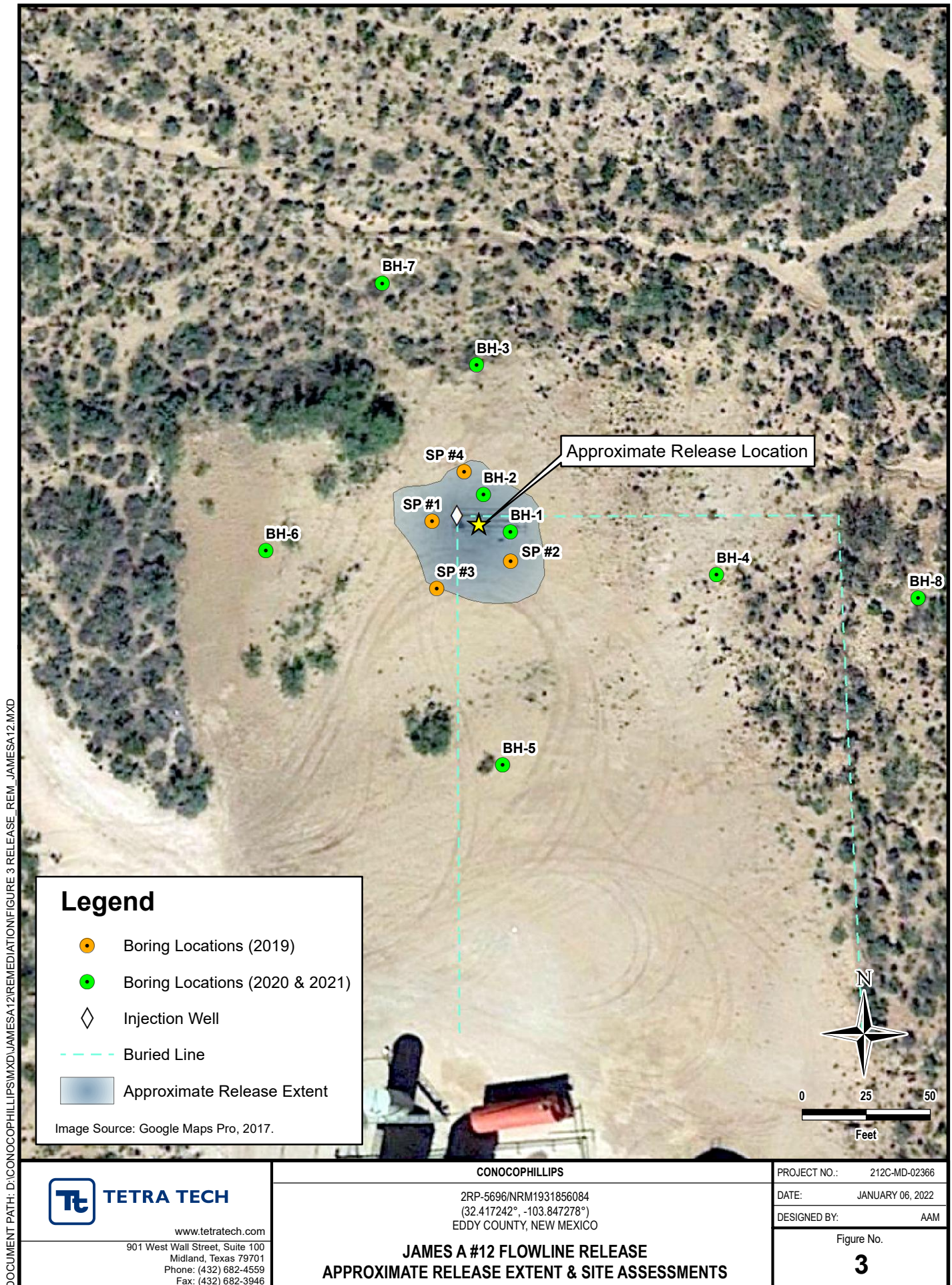
DATE: JANUARY 06, 2022

DESIGNED BY: AAM

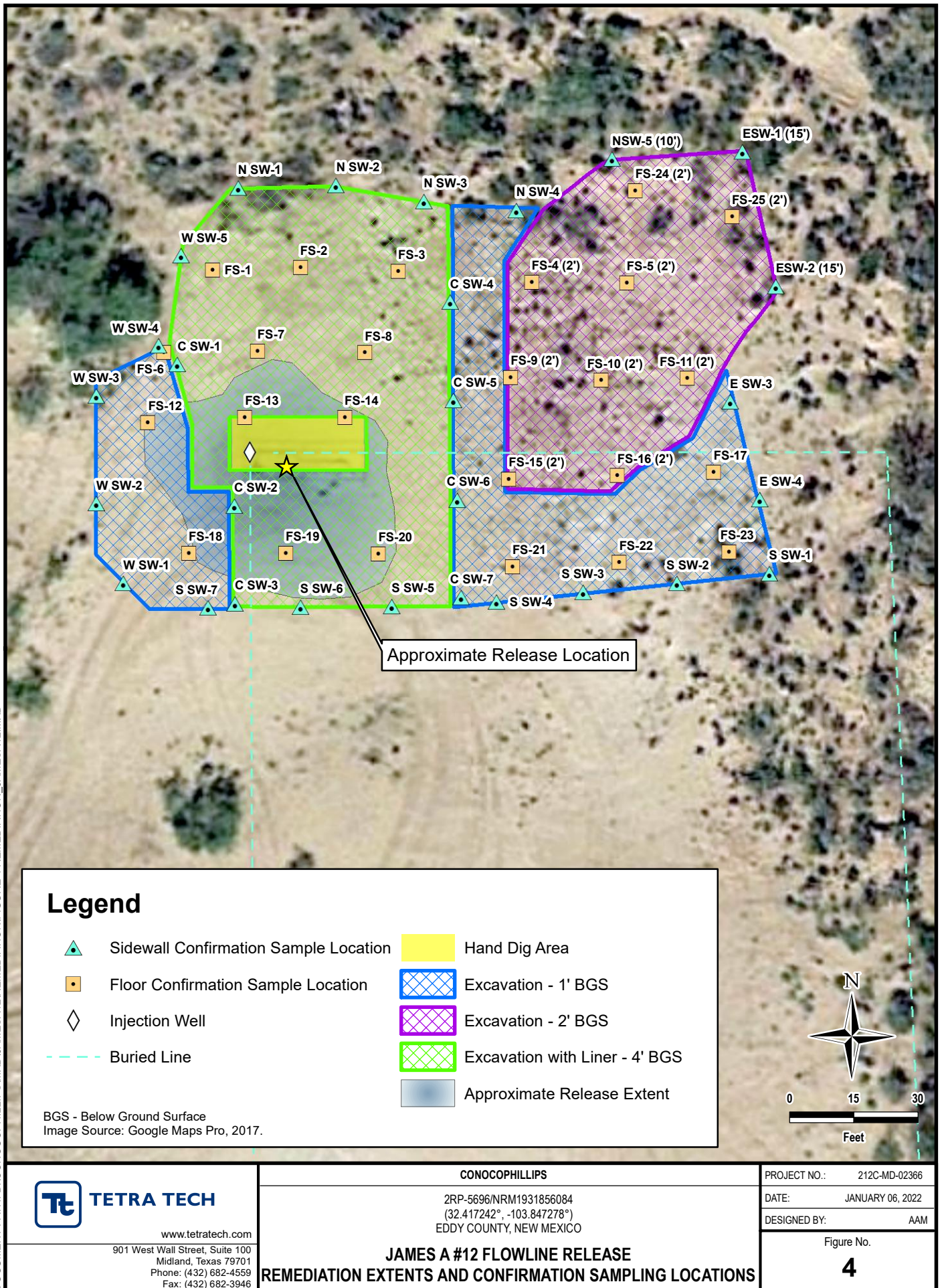
Figure No.

**2**









DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\JAMESA12\REMEDIATION\FIGURE 4 REMEDIATION JAMESA12.MXD



**TETRA TECH**

www.tetrattech.com

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

## **TABLES**

SUMMARY OF ANALYTICAL RESULTS  
 INITIAL SOIL ASSESSMENT - NRM1931856084  
 CONOCOPHILLIPS  
 JAMES A #12 FLOWLINE RELEASE  
 EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Chloride <sup>1</sup>	
		ft. bgs	mg/kg	Q
SP #1	11/5/2019	0.5	<b>31600</b>	
SP #1	11/5/2019	2	<b>1020</b>	
SP #1	11/5/2019	4	<b>640</b>	
SP #1	11/5/2019	6	<b>1840</b>	
SP #1	11/5/2019	8	<b>640</b>	
SP #2	11/5/2019	0.5	<b>15000</b>	
SP #2	11/5/2019	2	<b>1150</b>	
SP #2	11/5/2019	4	<b>1520</b>	
SP #2	11/5/2019	6	<b>1600</b>	
SP #2	11/5/2019	8	<b>1100</b>	
SP #3	11/5/2019	SURFACE	<b>2840</b>	
SP #3	11/5/2019	2	32	
SP #3	11/5/2019	4	48	
SP #3	11/5/2019	6	16	
SP #3	11/5/2019	8	16	
SP #4	11/5/2019	SURFACE	<b>2320</b>	
SP #4	11/5/2019	2	240	
SP #4	11/5/2019	4	64	
SP #4	11/5/2019	6	256	
SP #4	11/5/2019	8	<b>624</b>	

**NOTES:**

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

**Bold and italicized values indicate exceedance of proposed RRALs**

1 EPA Method SM4500Cl-B

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - NRM1931856084  
CONOCOPHILLIPS  
JAMES A #12 FLOWLINE RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO <sup>4</sup> C <sub>3</sub> - C <sub>10</sub>		DRO C <sub>10</sub> - C <sub>28</sub>		ORO C <sub>28</sub> - C <sub>40</sub>		Total TPH (GRO+DRO+ORO)		
					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	
BH-1	12/16/2020	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			
		0-1	-	-	3030		< 0.00147		< 0.00736		< 0.00368		0.00139	J	0.00139	< 3.68		9.24		24.7		33.9		
		2-3	-	-	725		0.000989	J	0.00240	J	< 0.00354		0.00184	J	0.00523	< 3.54		< 4.33		1.10	J	1.10		
		4-5	-	-	861		< 0.00187		< 0.00935		< 0.00468		< 0.0122		-	< 4.68		< 4.30		< 4.30		-		
		6-7	-	-	1100		< 0.00148		< 0.00739		< 0.00370		0.00156	J	0.00156	< 3.70		< 4.29		< 4.29		-		
		9-10	-	-	1760		< 0.00202		< 0.0101		< 0.00506		< 0.0131		-	< 5.06		< 4.27		< 4.27		-		
		14-15	-	-	2580		< 0.00129		< 0.00647		< 0.00323		< 0.00841		-	< 3.23		< 4.33		< 4.33		-		
		19-20	981	-	3590		< 0.00176		< 0.00880		< 0.00441		< 0.0115		-	< 4.41		< 4.33		< 4.33		-		
		24-25	-	-	4010		< 0.00186		< 0.00928		< 0.00464		< 0.0121		-	< 4.64		< 4.50		< 4.50		-		
		29-30	1200	-	3220		< 0.00175		0.00227	J	< 0.00437		< 0.0114		0.00227	< 4.37		< 4.56		0.881	J	0.881		
		34-35	-	-	1900		< 0.00155		< 0.00774		< 0.00387		< 0.0101		-	< 3.87		< 4.67		< 4.67		-		
		39-40	890	-	976		< 0.00209		< 0.0104		< 0.00521		< 0.0135		-	< 5.21		< 4.71		< 4.71		-		
		44-45	-	-	248		< 0.00177		< 0.00886		< 0.00443		< 0.0115		-	< 4.43		< 4.62		< 4.62		-		
		49-50	201	0.8	200		< 0.00156		< 0.00779		< 0.00390		< 0.0101		-	< 3.90		< 4.70		< 4.70		-		
BH-2	12/16/2020	0-1	-	-	3240		< 0.00137		< 0.00687		< 0.00344		< 0.00893		-	< 3.44		4.06	J	17.3		21.4		
		2-3	-	-	843		< 0.00124		< 0.00618		< 0.00310		< 0.00804		-	< 3.09		< 4.16		< 4.16		-		
		4-5	-	-	622		0.000949	J	0.00288	J	< 0.00351		0.00228	J	0.00611	< 3.51		< 4.22		0.416	J	0.416		
		6-7	-	-	315		< 0.00125		0.00815	J	< 0.00313		0.00125	J	0.00940	< 3.13		< 4.29		< 4.29		-		
		9-10	-	-	512		< 0.00158		< 0.00792		< 0.00397		< 0.0103		-	< 3.97		< 4.19		< 4.19		-		
		14-15	-	-	518		< 0.00130		< 0.00648		< 0.00324		< 0.00842		-	< 3.24		< 4.21		0.539	J	0.539		
		19-20	-	720	798		< 0.00128		< 0.00642		< 0.00322		< 0.00835		-	< 3.20		< 4.29		0.356	J	0.356		
		24-25	-	-	4090		< 0.00143		< 0.00714		< 0.00357		< 0.00928		-	< 3.57		< 4.62		0.690	J	0.690		
		29-30	-	1100	1470		< 0.00204		0.00332	J	0.00199	J	0.00326	J	0.00857	< 5.10		< 4.44		0.775	J	0.775		
		34-35	-	-	267		< 0.00134		< 0.00669		< 0.00335		< 0.00871		-	< 3.35		< 4.56		0.388	J	0.388		
		39-40	0.4	140	191		< 0.00183		< 0.00916		< 0.00458		< 0.0119		-	< 4.58		< 4.76		< 4.76		-		
BH-3	12/16/2020	0-1	0.1	201	1640		< 0.00114		< 0.00571		< 0.00286		< 0.00742		-	< 2.86		< 4.10		5.58		5.58		
		2-3	0.3	105	1160		< 0.00115		< 0.00573		< 0.00286		< 0.00744		-	< 2.86		92.9		224		317		
		4-5	0.8	101	2810		< 0.00188		< 0.00941		< 0.00471		< 0.0122		-	< 4.71		< 4.38		3.49	J	3.49		
		6-7	-	98.7	3750		< 0.00144		< 0.00719		< 0.00360		< 0.00936		-	< 3.60		< 4.37		1.29	J	1.29		
BH-4	12/16/2020	0-1	0.8	216	477		< 0.00111		0.00947		0.00346		0.0152		0.0281	< 2.79		155		530		685		
		2-3	0.6	240	148		< 0.00130		0.00494	J	< 0.00325		0.00290	J	0.00784	< 3.26		22.4		66.9		89.3		
		4-5	0.5	180	343		< 0.00157		< 0.00785		< 0.00393		< 0.0102		-	< 3.93		9.25		31.6		40.9		
		6-7	0.9	99.5	537		< 0.00110		< 0.00550		< 0.00275		< 0.00715		-	< 2.75		7.40		28.2		35.6		
BH-5	12/16/2020	0-1	0.9	198	364		0.0236		0.151		0.0236		0.158		0.356	< 19.2		2.25	J	9.78		12.0		
		2-3	0.6	161	33.2		< 0.00106		< 0.00528		< 0.00264		< 0.00687		-	< 2.64		< 4.11		1.88	J	1.88		
		4-5	0.5	102	29.8		< 0.00136		< 0.00680		< 0.00340		< 0.00884		-	< 3.40		< 4.37		2.22	J	2.22		
		6-7	0.3	88.1	10.6	J	< 0.00125		< 0.00627		< 0.00314		< 0.00815		-	< 3.14		< 4.49		1.36	J	1.36		
BH-6	12/16/2020	0-1	0.6	126	291		0.000876	J	< 0.00923		< 0.00462		0.00365	J	0.00453	< 4.62		3.36	J	25.1		28.5		
		2-3	0.5	105	23.2		< 0.00103		< 0.00516		< 0.00258		< 0.00671		-	< 2.58		< 4.06		8.49		8.49		
		4-5	0.2	84.2	32.7		< 0.00147		< 0.00733		< 0.00367		< 0.00953		-	< 3.67		< 4.16		4.41		4.41		
		6-7	0.8	64.3	42.4		< 0.00170		< 0.00850		< 0.00425		< 0.0110		-	1.12	B J	< 4.15		2.29	J	3.41		
BH-7	3/1/2021	0-1	-	-	121		< 0.00108		< 0.00542		< 0.00271		< 0.00704		-	0.0328	B J	14.0		68.0		82.0		
		2-3	-	-	10.8	J	< 0.00110		< 0.00549		< 0.00275		< 0.00714		-	0.122	B	6.04		23.5		29.7		
BH-8	3/1/2021	0-1	-	-	30.6		< 0.00108		< 0.00540		< 0.00270		< 0.00702		-	0.0403	B J	4.42		22.7		27.2		
		2-3	-	-	12.6	J	< 0.00105		< 0.00524		< 0.00262		< 0.00682		-	0.0535	B J	6.76		22.2		29.0		

## 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

**Bold and italicized values indicate exceedance of proposed RRLs**

Shaded rows indicate intervals proposed for excavation.

- 1 EPA Method 300.0
- 2 EPA Method 8260B
- 3 EPA Method 8015
- 4 EPA Method 8015D/GRO

## 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 3  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - NRM1931856084  
CONOCOPHILLIPS  
JAMES A #12 FLOWLINE RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)
							mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	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	Q	mg/kg
FS-1	12/9/2021	4	395	0.000	288		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-2	12/9/2021	4	494	0.325	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-3	12/9/2021	4	387	0.300	576		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-4	12/8/2021	1	95.1	0.225	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		601	QM-07	432	QM-07, QR-03	1,033
FS-4 (2')*	12/13/2021	2	419	4.900	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-5	12/8/2021	1	272	0.250	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		142		167		309
FS-5 (2')*	12/13/2021	2	706	6.700	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-6	12/10/2021	1	251	6.950	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-7	12/9/2021	4	438	0.000	384		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-8	12/9/2021	4	347	0.000	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-9	12/8/2021	1	218	0.025	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		274		319		593
FS-9 (2')*	12/13/2021	2	507	7.400	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-10	12/8/2021	1	101	0.000	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		138		201		339
FS-10 (2')*	12/13/2021	2	283	6.400	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-11	12/8/2021	1	339	0.100	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		77.7		107		185
FS-11 (2')*	12/13/2021	2	206	2.300	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-12	12/10/2021	1	245	6.725	272		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-13	12/10/2021	4	1200	1.125	1,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-14	12/10/2021	4	147	0.000	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-15	12/9/2021	1	270	0.000	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		272		337		609
FS-15 (2')*	12/13/2021	2	166	1.725	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-16	12/9/2021	1	87.6	0.000	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		339		430		769
FS-16 (2')*	12/13/2021	2	335	3.350	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-17	12/8/2021	1	117	0.925	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-18	12/10/2021	1	384	0.175	368		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-19	12/10/2021	4	1240	7.025	960		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-20	12/10/2021	4	368	7.300	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-21	12/9/2021	1	169	0.125	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-22	12/9/2021	1	180	0.575	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-23	12/9/2021	1	143	0.250	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-24 (2')	12/16/2021	2	44.9	1.325	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-25 (2')	12/16/2021	2	72.2	0.725	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-1	12/13/2021	-	405	6.125	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-2	12/13/2021	-	516	2.550	512		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-3	12/13/2021	-	171	3.425	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-4	12/10/2021	-	97.1	10.400	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-5	12/10/2021	-	282	7.525	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-6	12/10/2021	-	258	5.025	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
CSW-7	12/13/2021	-	217	6.375	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-1	12/9/2021	-	468	1.425	480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-2	12/9/2021	-	390	0.525	272		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-3	12/9/2021	-	310	0.375	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		25.4		29.5		54.9
NSW-4	12/8/2021	-	181	8.300	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-5	12/8/2021	-	439	0.775	384		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		234		206		440
NSW-5 (5')	12/14/2021	-	-	-	656		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 50.0		5360		3040		8,400

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - NRM1931856084  
CONOCOPHILLIPS  
JAMES A #12 FLOWLINE RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEx <sup>2</sup>										TPH <sup>3</sup>							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	> C <sub>10</sub> - C <sub>28</sub>	Q	> C <sub>28</sub> - C <sub>36</sub>	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	Q	mg/kg	
NSW-5 (10')*	12/14/2021	-	53.6	0.000	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-1	12/8/2021	-	267	1.250	304		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		212		199		411	
ESW-1 (5')	12/14/2021	-	58.2	0.975	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		186		231		417	
ESW-1 (10')	12/14/2021	-	-	1.400	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		645		374		1,019	
ESW-1 (15')*	12/15/2021	-	57.3	7.850	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-2	12/8/2021	-	191	0.325	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		215		156		371	
ESW-2 (5')	12/14/2021	-	47.7	0.000	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		389		469		858	
ESW-2 (10')	12/14/2021	-	-	1.400	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		148		11		159	
ESW-2 (15')*	12/15/2021	-	408	8.850	400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-3	12/8/2021	-	199	1.475	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		15.7		< 10.7		15.7	
ESW-4	12/8/2021	-	74.5	1.125	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-1	12/9/2021	-	191	1.050	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-2	12/9/2021	-	251	0.350	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-3	12/9/2021	-	219	0.250	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-4	12/9/2021	-	222	0.000	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-5	12/10/2021	-	58.2	8.775	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-6	12/10/2021	-	70.7	10.750	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-7	12/10/2021	-	208	6.750	208		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-1	12/10/2021	-	176	7.550	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-2	12/10/2021	-	299	5.300	464		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-3	12/10/2021	-	277	10.200	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-4	12/10/2021	-	251	10.750	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-5	12/10/2021	-	414	8.025	384		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

**NOTES:**

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

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

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

**QUALIFIERS:**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.

QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.



## **APPENDIX A C-141 Forms**

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

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

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

Incident ID	NRM1931856084
District RP	2RP-5696
Facility ID	fMAP1829545945
Application ID	pRM1931856493

**OMSEV-191016-C-1410****Release Notification****Responsible Party**

Responsible Party ConocoPhillips Company	OGRID 217817
Contact Name Gustavo Fejervary	Contact Telephone 432/210-7037
Contact email g.fejervary@cop.com	Incident # (assigned by OCD)
Contact mailing address	5735 SW 7000 Andrews, TX 79714

**Location of Release Source**

Latitude 32.4173279 Longitude -103.8466568  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name JAMES A 12	Site Type Injection well
Date Release Discovered 10/16/19	API# (if applicable) 30-015-26761

Unit Letter	Section	Township	Range	County
P	02	22S	30E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

**Nature and Volume of Release**

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 18	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release flow line leak. on pad

Form C-141

State of New Mexico  
Oil Conservation Division

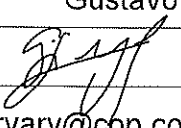
Page 2

Incident ID	NRM1931856084
District RP	2RP-5696
Facility ID	fMAP1829545945
Application ID	pRM1931856493

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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<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>Gustavo Fejervary</u> Signature:  email: <u>g.fejervary@cop.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>10/16/19</u> Telephone: <u>432/210-7037</u>
<b><u>OCD Only</u></b> Received by: <u>Ramona Marcus</u> Date: <u>11/14/2019</u>	

2RP-5696

L48 Spill Volume Estimate Form									
Facility Name & Number:		James A 12							
Asset Area:		SENM Hobbs							
Release Discovery Date & Time:		10/16/19 11:30AM							
Release Type:		Produced Water							
Provide any known details about the event:		Flow line leak on injection well							
Spill Calculation - Subsurface Spill - Rectangle									
On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor									
Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.									
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	25.0	25.0	12.00	10.50%	111.250	11.881			
Rectangle B	21.0	16.0	6.00	10.50%	29.904	3.140			
Rectangle C	21.0	15.0	6.00	10.50%	28.035	2.944			
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:	17.765			

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature:  Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

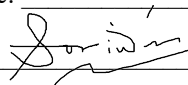
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ 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: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature:  \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: Robert Hamlet \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

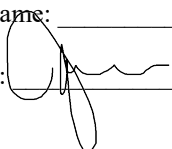
## Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature:  \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

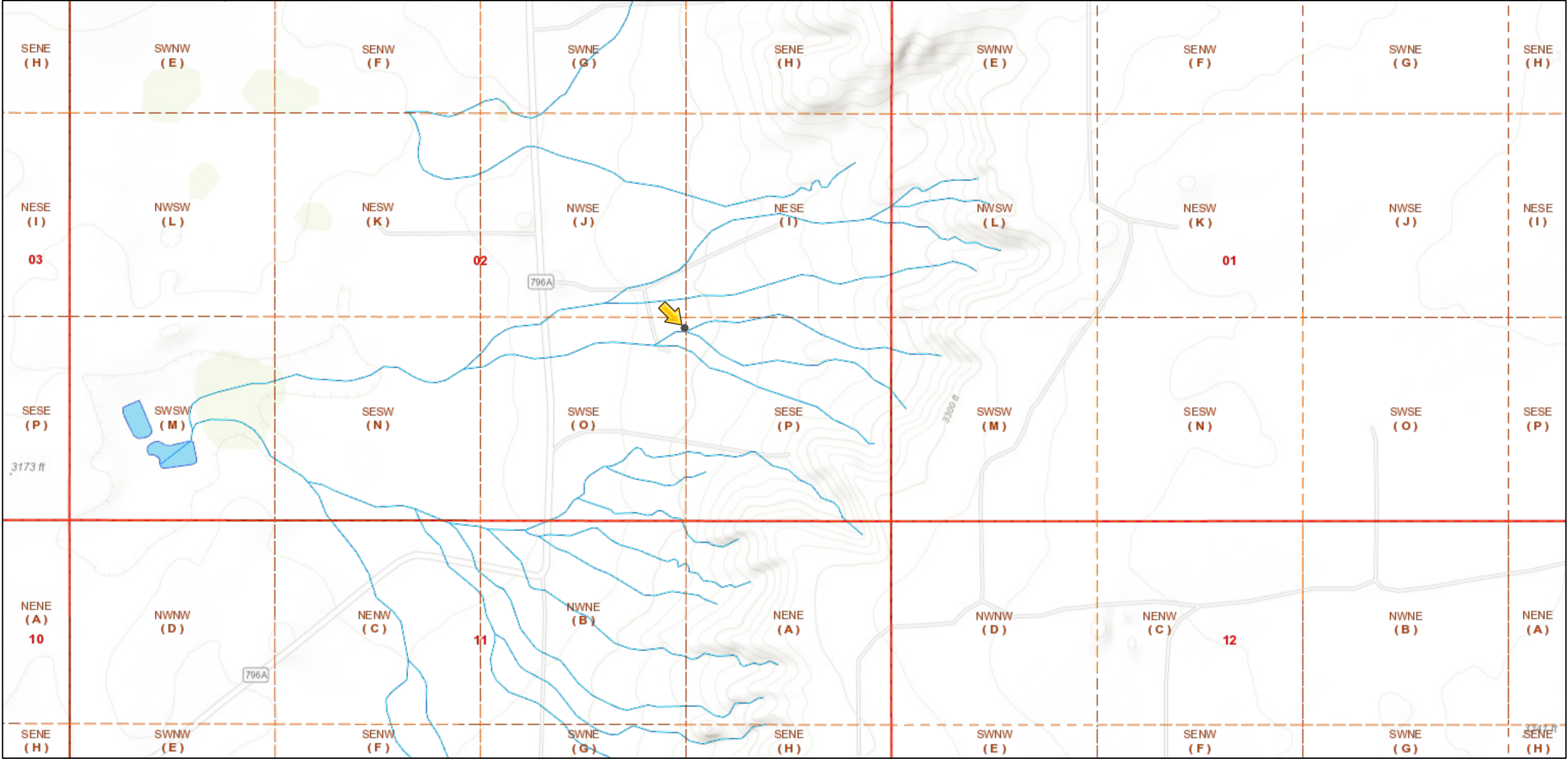
Closure Approved by:  \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## **APPENDIX B**

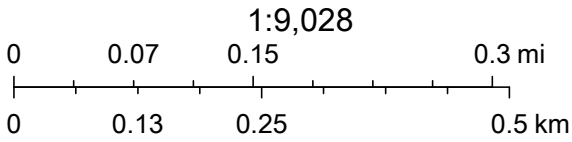
### **Site Characterization Data**

# James A #12 (2RP-5696)



3/26/2021, 11:36:13 AM

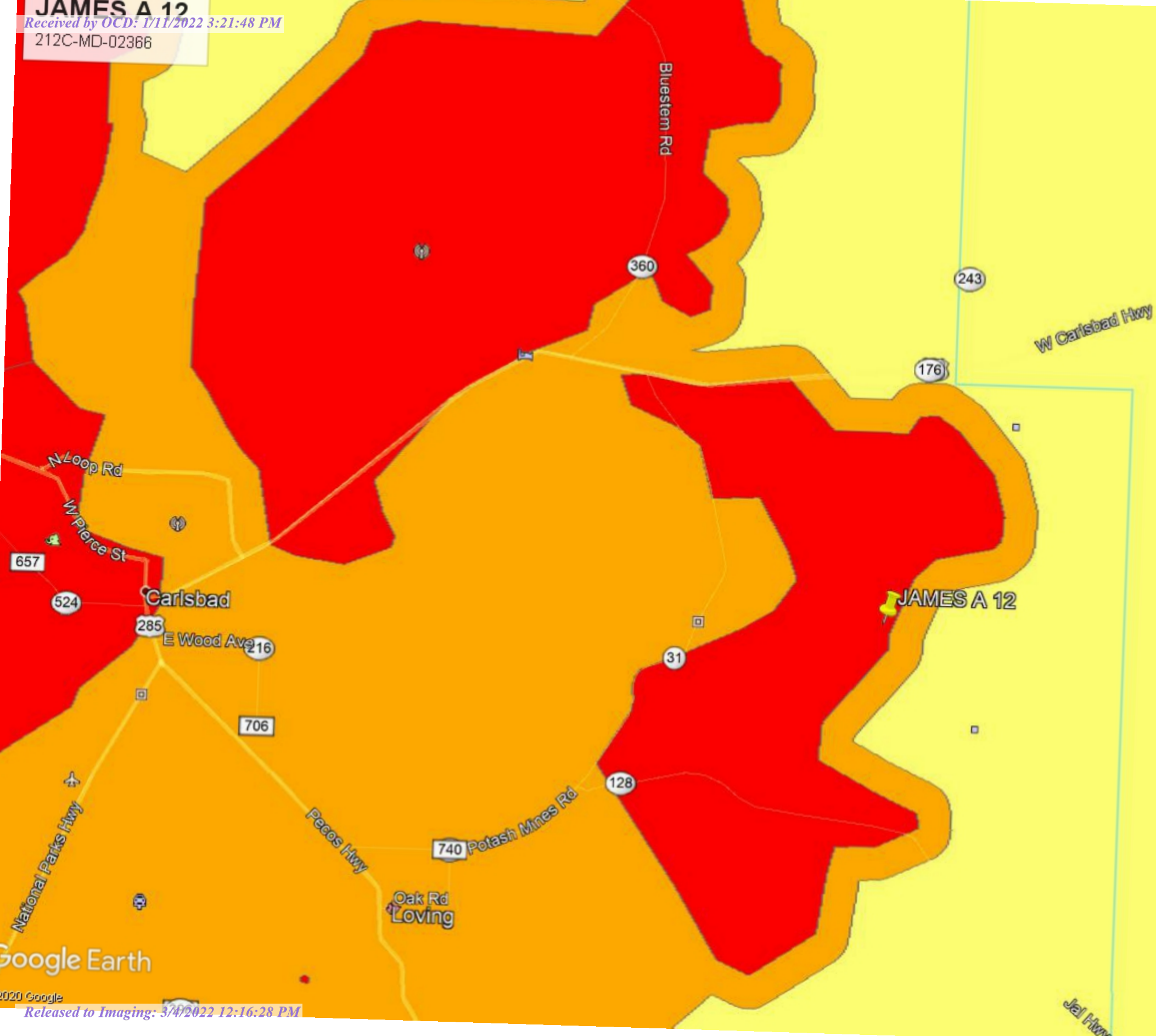
- Override 1
- PLSS Second Division
- OSE Streams
- OCD District Offices
- OSE Water-bodies
- PLSS First Division
- PLJV Probable Plays



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM

**Legend**

- High
- JAMES A 12
- Low
- Medium



Google Earth





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

---

No records found.

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 800

---

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.

---

1/18/21 10:39 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





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

---

No records found.

## UTMNAD83 Radius Search (in meters):

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 160

---

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.

---

1/18/21 10:41 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 2400

\*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.

1/18/21 10:42 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 5

UTM NAD83 Radius Search (in meters):

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 3200

\*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.

1/18/21 10:43 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 7

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 4000

\*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.

1/18/21 10:44 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 8

UTM NAD83 Radius Search (in meters):

Easting (X): 608387

Northing (Y): 3587277

Radius: 4800

\*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.

1/18/21 10:44 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		
<a href="#">C 02637</a>	CUB	ED		1	3	3	24	22S	30E	608950	3582377*	4932	759		
<a href="#">C 03773 POD1</a>	C	CUB	ED	4	2	2	32	21S	30E	604039	3589799	5026	55		
<a href="#">C 03774 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	604039	3589799	5026	32		
<a href="#">C 02748</a>	CUB	ED		1	2	3	17	22S	31E	612576	3584364*	5102	3856		
<a href="#">C 03772 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	603859	3589714	5142	30		
<a href="#">C 03772 POD2</a>	C	CUB	ED	4	2	2	32	21S	30E	603850	3589707	5147	30		
<a href="#">C 03772 POD3</a>	C	CUB	ED	4	2	2	32	21S	30E	603840	3589699	5151	30		
<a href="#">C 03772 POD5</a>	C	CUB	ED	4	2	2	32	21S	30E	603823	3589681	5158	30		
<a href="#">C 03772 POD6</a>	C	CUB	ED	4	2	2	32	21S	30E	603814	3589666	5159	30		
<a href="#">C 03772 POD8</a>	C	CUB	ED	4	2	2	32	21S	30E	603797	3589636	5161	30		
<a href="#">C 03772 POD7</a>	C	CUB	ED	4	2	2	32	21S	30E	603805	3589655	5162	30		
<a href="#">C 03772 POD4</a>	C	CUB	ED	4	2	2	32	21S	30E	603824	3589692	5162	30		
<a href="#">C 03112 EXPLORE</a>	CUB	ED		3	1	1	09	22S	31E	613753	3586590*	5409	3567		
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	5429	1316	262	1054
<a href="#">C 02683</a>	CUB	ED		3	1	1	20	22S	31E	612184	3583356*	5458	840		
<a href="#">C 02682</a>	CUB	ED		4	4	4	08	22S	31E	613566	3585379*	5515	4400		

\*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.

Average Depth to Water: 262 feet

Minimum Depth: 262 feet

Maximum Depth: 262 feet

Record Count: 24

UTMNAD83 Radius Search (in meters):

Easting (X): 608387

Northing (Y): 3587277

Radius: 5600



# 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
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		
<a href="#">C 02637</a>	CUB	ED		1	3	3	24	22S	30E	608950	3582377*	4932	759		
<a href="#">C 03773 POD1</a>	C	CUB	ED	4	2	2	32	21S	30E	604039	3589799	5026	55		
<a href="#">C 03774 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	604039	3589799	5026	32		
<a href="#">C 02748</a>	CUB	ED		1	2	3	17	22S	31E	612576	3584364*	5102	3856		
<a href="#">C 03772 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	603859	3589714	5142	30		
<a href="#">C 03772 POD2</a>	C	CUB	ED	4	2	2	32	21S	30E	603850	3589707	5147	30		
<a href="#">C 03772 POD3</a>	C	CUB	ED	4	2	2	32	21S	30E	603840	3589699	5151	30		
<a href="#">C 03772 POD5</a>	C	CUB	ED	4	2	2	32	21S	30E	603823	3589681	5158	30		
<a href="#">C 03772 POD6</a>	C	CUB	ED	4	2	2	32	21S	30E	603814	3589666	5159	30		
<a href="#">C 03772 POD8</a>	C	CUB	ED	4	2	2	32	21S	30E	603797	3589636	5161	30		
<a href="#">C 03772 POD7</a>	C	CUB	ED	4	2	2	32	21S	30E	603805	3589655	5162	30		
<a href="#">C 03772 POD4</a>	C	CUB	ED	4	2	2	32	21S	30E	603824	3589692	5162	30		
<a href="#">C 03112 EXPLORE</a>	CUB	ED		3	1	1	09	22S	31E	613753	3586590*	5409	3567		
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	5429	1316	262	1054
<a href="#">C 02683</a>	CUB	ED		3	1	1	20	22S	31E	612184	3583356*	5458	840		
<a href="#">C 02682</a>	CUB	ED		4	4	4	08	22S	31E	613566	3585379*	5515	4400		
<a href="#">C 02413</a>	CUB	ED		1	2	1	20	22S	31E	612586	3583560*	5607	737		
<a href="#">C 02727</a>	CUB	ED		3	1	1	33	21S	31E	613716	3589809*	5899	913		

\*UTM location was derived from PLSS - see Help

(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
<a href="#">C 03221 EXPLORE</a>	CUB	ED	1	2	1	30	22S	31E	610995	3581935*		5944	651		
<a href="#">C 02414</a>	CUB	ED	3	1	3	16	22S	31E	613782	3584176*		6222	846		
<a href="#">C 02639</a>	CUB	ED	4	4	4	17	22S	31E	613585	3583770*		6270	3928		

Average Depth to Water: **262 feet**

Minimum Depth: **262 feet**

Maximum Depth: **262 feet**

Record Count: 29

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 6400

\*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.

1/18/21 10:45 AM

Page 2 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		
<a href="#">C 02637</a>	CUB	ED		1	3	3	24	22S	30E	608950	3582377*	4932	759		
<a href="#">C 03773 POD1</a>	C	CUB	ED	4	2	2	32	21S	30E	604039	3589799	5026	55		
<a href="#">C 03774 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	604039	3589799	5026	32		
<a href="#">C 02748</a>	CUB	ED		1	2	3	17	22S	31E	612576	3584364*	5102	3856		
<a href="#">C 03772 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	603859	3589714	5142	30		
<a href="#">C 03772 POD2</a>	C	CUB	ED	4	2	2	32	21S	30E	603850	3589707	5147	30		
<a href="#">C 03772 POD3</a>	C	CUB	ED	4	2	2	32	21S	30E	603840	3589699	5151	30		
<a href="#">C 03772 POD5</a>	C	CUB	ED	4	2	2	32	21S	30E	603823	3589681	5158	30		
<a href="#">C 03772 POD6</a>	C	CUB	ED	4	2	2	32	21S	30E	603814	3589666	5159	30		
<a href="#">C 03772 POD8</a>	C	CUB	ED	4	2	2	32	21S	30E	603797	3589636	5161	30		
<a href="#">C 03772 POD7</a>	C	CUB	ED	4	2	2	32	21S	30E	603805	3589655	5162	30		
<a href="#">C 03772 POD4</a>	C	CUB	ED	4	2	2	32	21S	30E	603824	3589692	5162	30		
<a href="#">C 03112 EXPLORE</a>	CUB	ED		3	1	1	09	22S	31E	613753	3586590*	5409	3567		
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	5429	1316	262	1054
<a href="#">C 02683</a>	CUB	ED		3	1	1	20	22S	31E	612184	3583356*	5458	840		
<a href="#">C 02682</a>	CUB	ED		4	4	4	08	22S	31E	613566	3585379*	5515	4400		
<a href="#">C 02413</a>	CUB	ED		1	2	1	20	22S	31E	612586	3583560*	5607	737		
<a href="#">C 02727</a>	CUB	ED		3	1	1	33	21S	31E	613716	3589809*	5899	913		

\*UTM location was derived from PLSS - see Help

(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
<a href="#">C 03221 EXPLORE</a>	CUB	ED	1	2	1	30	22S	31E	610995	3581935*		5944	651		
<a href="#">C 02414</a>	CUB	ED	3	1	3	16	22S	31E	613782	3584176*		6222	846		
<a href="#">C 02639</a>	CUB	ED	4	4	4	17	22S	31E	613585	3583770*		6270	3928		

Average Depth to Water: **262 feet**

Minimum Depth: **262 feet**

Maximum Depth: **262 feet**

Record Count: 29

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 608387

**Northing (Y):** 3587277

**Radius:** 6437

\*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.

1/20/21 10:58 AM

Page 2 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		
<a href="#">C 02637</a>	CUB	ED		1	3	3	24	22S	30E	608950	3582377*	4932	759		
<a href="#">C 03773 POD1</a>	C	CUB	ED	4	2	2	32	21S	30E	604039	3589799	5026	55		
<a href="#">C 03774 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	604039	3589799	5026	32		
<a href="#">C 02748</a>	CUB	ED		1	2	3	17	22S	31E	612576	3584364*	5102	3856		
<a href="#">C 03772 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	603859	3589714	5142	30		
<a href="#">C 03772 POD2</a>	C	CUB	ED	4	2	2	32	21S	30E	603850	3589707	5147	30		
<a href="#">C 03772 POD3</a>	C	CUB	ED	4	2	2	32	21S	30E	603840	3589699	5151	30		
<a href="#">C 03772 POD5</a>	C	CUB	ED	4	2	2	32	21S	30E	603823	3589681	5158	30		
<a href="#">C 03772 POD6</a>	C	CUB	ED	4	2	2	32	21S	30E	603814	3589666	5159	30		
<a href="#">C 03772 POD8</a>	C	CUB	ED	4	2	2	32	21S	30E	603797	3589636	5161	30		
<a href="#">C 03772 POD7</a>	C	CUB	ED	4	2	2	32	21S	30E	603805	3589655	5162	30		
<a href="#">C 03772 POD4</a>	C	CUB	ED	4	2	2	32	21S	30E	603824	3589692	5162	30		
<a href="#">C 03112 EXPLORE</a>	CUB	ED		3	1	1	09	22S	31E	613753	3586590*	5409	3567		
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	5429	1316	262	1054
<a href="#">C 02683</a>	CUB	ED		3	1	1	20	22S	31E	612184	3583356*	5458	840		
<a href="#">C 02682</a>	CUB	ED		4	4	4	08	22S	31E	613566	3585379*	5515	4400		
<a href="#">C 02413</a>	CUB	ED		1	2	1	20	22S	31E	612586	3583560*	5607	737		
<a href="#">C 02727</a>	CUB	ED		3	1	1	33	21S	31E	613716	3589809*	5899	913		

\*UTM location was derived from PLSS - see Help

(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
<a href="#">C 03221 EXPLORE</a>	CUB	ED	1	2	1	30	22S	31E	610995	3581935*		5944	651		
<a href="#">C 02414</a>	CUB	ED	3	1	3	16	22S	31E	613782	3584176*		6222	846		
<a href="#">C 02639</a>	CUB	ED	4	4	4	17	22S	31E	613585	3583770*		6270	3928		
<a href="#">C 02684</a>	CUB	ED	4	2	2	20	22S	31E	613590	3583368*		6507	1060		
<a href="#">C 03976 POD1</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	180		
<a href="#">C 03976 POD2</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	70		
<a href="#">C 03976 POD3</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	182		
<a href="#">C 03976 POD4</a>	CUB	ED	1	3	4	20	22S	31E	612968	3582386		6700	71		
<a href="#">C 02755</a>	CUB	ED	4	4	2	20	22S	31E	613595	3582966*		6760	1040		
<a href="#">C 02759</a>	CUB	ED	1	2	1	29	22S	31E	612604	3581952*		6792	795		
<a href="#">C 03233 EXPLORE</a>	CUB	ED	4	4	4	20	21S	31E	613489	3591816*		6828	566		
<a href="#">C 02758</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	661		
<a href="#">C 02762</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	672		
<a href="#">C 02763</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	660		
<a href="#">C 03587 POD3</a>	CUB	ED	2	4	1	07	22S	29E	601447	3586271		7012	80	47	33
<a href="#">C 02753</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	851		
<a href="#">C 02986</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	71		
<a href="#">C 02990</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	71		
<a href="#">C 02754</a>	CUB	ED	4	2	4	20	22S	31E	613599	3582564*		7026	1045		
<a href="#">C 02415</a>	CUB	ED	3	3	4	16	22S	31E	614592	3583785*		7120	880	448	432
<a href="#">C 02722</a>	CUB	ED	1	2	1	21	21S	30E	604435	3593203*		7122	592		
<a href="#">C 02989</a>	CUB	ED	3	4	4	20	22S	31E	613404	3582162*		7164	54		
<a href="#">C 02980</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	62		
<a href="#">C 02982</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	65		
<a href="#">C 02984</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	65		
<a href="#">C 02985</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	62		
<a href="#">C 02988</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	75		

\*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.

Average Depth to Water: 252 feet

Minimum Depth: 47 feet

Maximum Depth: 448 feet

Record Count: 53

UTMNAD83 Radius Search (in meters):

Easting (X): 608387

Northing (Y): 3587277

Radius: 7200





# 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
<a href="#">C 03234 EXPLORE</a>	CUB	ED		1	2	3	35	21S	30E	607695	3589207*	2050	410		
<a href="#">C 03003</a>	CUB	ED		3	1	3	31	21S	31E	610511	3588970*	2716	650		
<a href="#">C 02749</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	640		
<a href="#">C 02750</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	741		
<a href="#">C 02751</a>	CUB	ED		1	1	1	18	22S	31E	610556	3585146*	3040	637		
<a href="#">C 03002</a>	CUB	ED		4	2	4	06	22S	31E	611933	3587375*	3547	668		
<a href="#">C 02723</a>	CUB	ED		2	2	3	15	22S	30E	606282	3584363*	3594	651		
<a href="#">C 02950 EXPL</a>	CUB	ED		4	2	4	23	22S	30E	608740	3582576*	4714	845		
<a href="#">C 02637</a>	CUB	ED		1	3	3	24	22S	30E	608950	3582377*	4932	759		
<a href="#">C 03773 POD1</a>	C	CUB	ED	4	2	2	32	21S	30E	604039	3589799	5026	55		
<a href="#">C 03774 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	604039	3589799	5026	32		
<a href="#">C 02748</a>	CUB	ED		1	2	3	17	22S	31E	612576	3584364*	5102	3856		
<a href="#">C 03772 POD1</a>	C	CUB	ED	2	4	2	32	21S	30E	603859	3589714	5142	30		
<a href="#">C 03772 POD2</a>	C	CUB	ED	4	2	2	32	21S	30E	603850	3589707	5147	30		
<a href="#">C 03772 POD3</a>	C	CUB	ED	4	2	2	32	21S	30E	603840	3589699	5151	30		
<a href="#">C 03772 POD5</a>	C	CUB	ED	4	2	2	32	21S	30E	603823	3589681	5158	30		
<a href="#">C 03772 POD6</a>	C	CUB	ED	4	2	2	32	21S	30E	603814	3589666	5159	30		
<a href="#">C 03772 POD8</a>	C	CUB	ED	4	2	2	32	21S	30E	603797	3589636	5161	30		
<a href="#">C 03772 POD7</a>	C	CUB	ED	4	2	2	32	21S	30E	603805	3589655	5162	30		
<a href="#">C 03772 POD4</a>	C	CUB	ED	4	2	2	32	21S	30E	603824	3589692	5162	30		
<a href="#">C 03112 EXPLORE</a>	CUB	ED		3	1	1	09	22S	31E	613753	3586590*	5409	3567		
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	5429	1316	262	1054
<a href="#">C 02683</a>	CUB	ED		3	1	1	20	22S	31E	612184	3583356*	5458	840		
<a href="#">C 02682</a>	CUB	ED		4	4	4	08	22S	31E	613566	3585379*	5515	4400		
<a href="#">C 02413</a>	CUB	ED		1	2	1	20	22S	31E	612586	3583560*	5607	737		
<a href="#">C 02727</a>	CUB	ED		3	1	1	33	21S	31E	613716	3589809*	5899	913		

\*UTM location was derived from PLSS - see Help

(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
<a href="#">C 03221 EXPLORE</a>	CUB	ED	1	2	1	30	22S	31E	610995	3581935*		5944	651		
<a href="#">C 02414</a>	CUB	ED	3	1	3	16	22S	31E	613782	3584176*		6222	846		
<a href="#">C 02639</a>	CUB	ED	4	4	4	17	22S	31E	613585	3583770*		6270	3928		
<a href="#">C 02684</a>	CUB	ED	4	2	2	20	22S	31E	613590	3583368*		6507	1060		
<a href="#">C 03976 POD1</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	180		
<a href="#">C 03976 POD2</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	70		
<a href="#">C 03976 POD3</a>	CUB	ED	1	3	4	20	22S	31E	612967	3582387		6699	182		
<a href="#">C 03976 POD4</a>	CUB	ED	1	3	4	20	22S	31E	612968	3582386		6700	71		
<a href="#">C 02755</a>	CUB	ED	4	4	2	20	22S	31E	613595	3582966*		6760	1040		
<a href="#">C 02759</a>	CUB	ED	1	2	1	29	22S	31E	612604	3581952*		6792	795		
<a href="#">C 03233 EXPLORE</a>	CUB	ED	4	4	4	20	21S	31E	613489	3591816*		6828	566		
<a href="#">C 02758</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	661		
<a href="#">C 02762</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	672		
<a href="#">C 02763</a>	CUB	ED	3	2	1	29	22S	31E	612604	3581752*		6950	660		
<a href="#">C 03587 POD3</a>	CUB	ED	2	4	1	07	22S	29E	601447	3586271		7012	80	47	33
<a href="#">C 02753</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	851		
<a href="#">C 02986</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	71		
<a href="#">C 02990</a>	CUB	ED	1	4	4	20	22S	31E	613404	3582362*		7023	71		
<a href="#">C 02754</a>	CUB	ED	4	2	4	20	22S	31E	613599	3582564*		7026	1045		
<a href="#">C 02415</a>	CUB	ED	3	3	4	16	22S	31E	614592	3583785*		7120	880	448	432
<a href="#">C 02722</a>	CUB	ED	1	2	1	21	21S	30E	604435	3593203*		7122	592		
<a href="#">C 02989</a>	CUB	ED	3	4	4	20	22S	31E	613404	3582162*		7164	54		
<a href="#">C 02980</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	62		
<a href="#">C 02982</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	65		
<a href="#">C 02984</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	65		
<a href="#">C 02985</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	62		
<a href="#">C 02988</a>	CUB	ED	2	4	4	20	22S	31E	613604	3582362*		7167	75		
<a href="#">C 03726 POD3</a>	CUB	ED	4	3	2	20	21S	30E	603463	3592652		7289	166		
<a href="#">C 02505</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	69	48	21

\*UTM location was derived from PLSS - see Help

(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
<a href="#">C 02506</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	69	48	21
<a href="#">C 02507</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	73	45	28
<a href="#">C 02752</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	2875		
<a href="#">C 02801</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	65		
<a href="#">C 02802</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	65		
<a href="#">C 02803</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	65		
<a href="#">C 02981</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	62		
<a href="#">C 02983</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	60		
<a href="#">C 02987</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	68		
<a href="#">C 02991</a>	CUB	ED	4	4	4	20	22S	31E	613604	3582162*		7306	64		
<a href="#">C 02662</a>	CUB	ED	1	2	2	29	22S	31E	613409	3581960*		7313	856		
<a href="#">C 02765</a>	CUB	ED	1	2	2	29	22S	31E	613409	3581960*		7313	856		
<a href="#">C 02724</a>	CUB	ED	4	4	2	29	22S	30E	603860	3581329*		7474	503		
<a href="#">C 03679 POD1</a>	C	ED	1	4	2	14	24S	33E	603567	3581547		7487	700	575	125
<a href="#">C 02111</a>	CUB	ED	2	2	2	33	22S	30E	605505	3580336*		7515	248	155	93
<a href="#">C 02418</a>	CUB	ED	3	2	3	29	22S	31E	612613	3580948*		7610	617	413	204
<a href="#">C 02419</a>	CUB	ED	3	2	3	29	22S	31E	612613	3580948*		7610	225		
<a href="#">C 02737</a>	C	ED	2	4	2	29	22S	31E	613604	3581567		7734	710		
<a href="#">C 02811</a>	CUB	ED	2	4	2	29	22S	31E	613613	3581558*		7747	80		
<a href="#">C 02766</a>	CUB	ED	3	3	3	29	22S	31E	612216	3580541*		7748	589		
<a href="#">C 03561 POD2</a>	CUB	ED	3	2	3	36	22S	30E	609314	3579424		7907	25	0	25
<a href="#">C 03561 POD3</a>	CUB	ED	3	2	3	36	22S	30E	609393	3579425		7915	25	0	25
<a href="#">C 03561 POD4</a>	CUB	ED	3	2	3	36	22S	30E	609419	3579425		7919	25	0	25
<a href="#">C 03561 POD5</a>	CUB	ED	3	2	3	36	22S	30E	609419	3579425		7919	20	0	20
<a href="#">C 03561 POD1</a>	CUB	ED	3	2	3	36	22S	30E	609288	3579393		7935	30	0	30
<a href="#">C 02949 EXPL</a>	CUB	ED	1	1	4	34	21S	31E	616140	3589231*		7995	970		

\*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.

1/18/21 10:46 AM

Page 3 of 4

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

Average Depth to Water: 145 feet  
Minimum Depth: 0 feet  
Maximum Depth: 575 feet

Record Count: 81

UTMNAD83 Radius Search (in meters):

Easting (X): 608387      Northing (Y): 3587277      Radius: 8000

## **APPENDIX C**

# **Remediation Plan & NMOCD Denial Email (2020)**

**From:** [Eads, Cristina, EMNRD](#)  
**To:** ["Fejervary Morena, Gustavo A"](#)  
**Cc:** [Robert EMNRD Hamlet \(Robert.Hamlet@state.nm.us\)](#); [Victoria EMNRD Venegas \(Victoria.Venegas@state.nm.us\)](#); [Mike EMNRD Bratcher \(mike.bratcher@state.nm.us\)](#)  
**Subject:** Remediation Plan Denial - James A 12 nRM193185684  
**Date:** Thursday, February 27, 2020 3:41:00 PM  
**Attachments:** [\(C-141 Remediation Plan Denied\) - James A 12, nRM193185684.pdf](#)

---

Gustavo,

The OCD has denied the submitted Remediation Plan C-141 for incident nRM193185684 (1RP-5696) for the following reasons:

- Benzene, BTEX, and TPH were not analyzed. At least one sample must be collected from the point of release and analyzed for Benzene, BTEX, and TPH. If concentrations of the aforementioned constituents are detected in the sample(s), delineation and confirmation samples will need to be collected and analyzed for all constituents listed in Table 1.
- The Remediation pages of the C-141 were not included with the submittal.

The Denied C-141 can be found in the online image database under the incident #. Please review and make the required corrections prior to resubmitting through the fee portal.

Please let me know if you have any questions.

Thanks,

**Cristina Eads**

*Environmental Bureau*

*EMNRD – Oil Conservation Division*

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505.476.3084

email: [Cristina.Eads@state.nm.us](mailto:Cristina.Eads@state.nm.us)

**OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.**



January 13, 2020

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

## Remediation Plan Denied - 02/27/2020, Cristina Eads

emnrd-ocd-district2spills@state.nm.us  
Re: Release Characterization Work Plan  
ConocoPhillips

### **James A-12 Injection Well**

Unit P, Section 2, Township 22 South, Range 30 East  
Eddy County, New Mexico  
2RP-5696

Dear Mr. Bratcher:

ConocoPhillips conducted the **James A-12** (Unit P, Section 22, Township 22 South, Range 30 East), in Eddy County, New Mexico (Site). The release site coordinates are 32.4173279, -103.8466568

### **History**

As reported to the State of New Mexico via C-141 Initial Report, the release occurred on October 16, 2019, due to flowline leak, about 18 barrels of produced water were released and nothing was recovered.

### **Site Characterization**

Even that the spill occurred on pad and did not created additional disturbance, a site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is in a high karst potential area. According to the New Mexico Office of the State Engineer (NMOSE) the groundwater is at 262 feet below ground surface. Assessments are attached.

### **Initial Site Assessment**

ConocoPhillips delineated and sampled the release area on November 05, 2019. Four samples points were completed at surface, 6", 2', 4', 6' and 8' from surface to evaluate the vertical contamination caused by the release. all samples were analyzed for chloride contamination Copies are attached.

### **Sampling Results**

The results of samples taken are summarized below on the table and map attached.

### **Corrective Action Plan**

Based on the obtained results, ConocoPhillips requests your approval to remove contaminated soil as proposed below.

SP 1 area: We propose to remove contaminated soil down to 9' below ground level

SP 2 area: We proposed to remove contaminated soil down to 9' below ground level.

SP 3 area: We propose to remove contaminated soil down to 2' below ground level.

SP 4 area: We proposed to remove contaminated soil down to 2' below ground level.

Bottom and sidewall sampling will be conducted and submitted to NMOCD for verification of remedial activities and analyzed for chlorides.

About 18,000 cubic feet of contaminated soil will be removed and replaced with clean caliche

### **Conclusion**

ConocoPhillips proposes to complete remediation within 90 days of this submittal. Once completed, we will submit closure report, accordingly.

Regards,



Gustavo Fejervary.

Environmental Coordinator

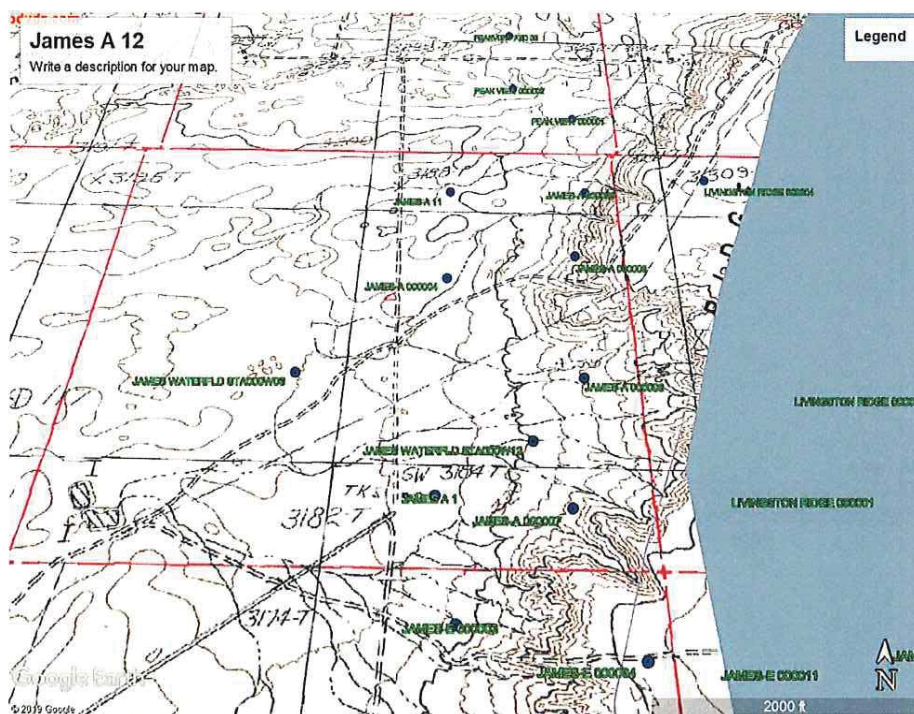
432-210-7037



## Overview Maps.



## Topographic Map



## Groundwater determination



## 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	Depth Well	Depth Water	Water Column
<a href="#">C 03015</a>	CUB	ED		1	4	3	22	22S	30E	606099	3582353*	1316	262	1054

Average Depth to Water: 262 feet

Minimum Depth: 262 feet

Maximum Depth: 262 feet

Record Count: 1

PLSS Search:

Section(s): 22

Township: 22S

Range: 30E

\*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.

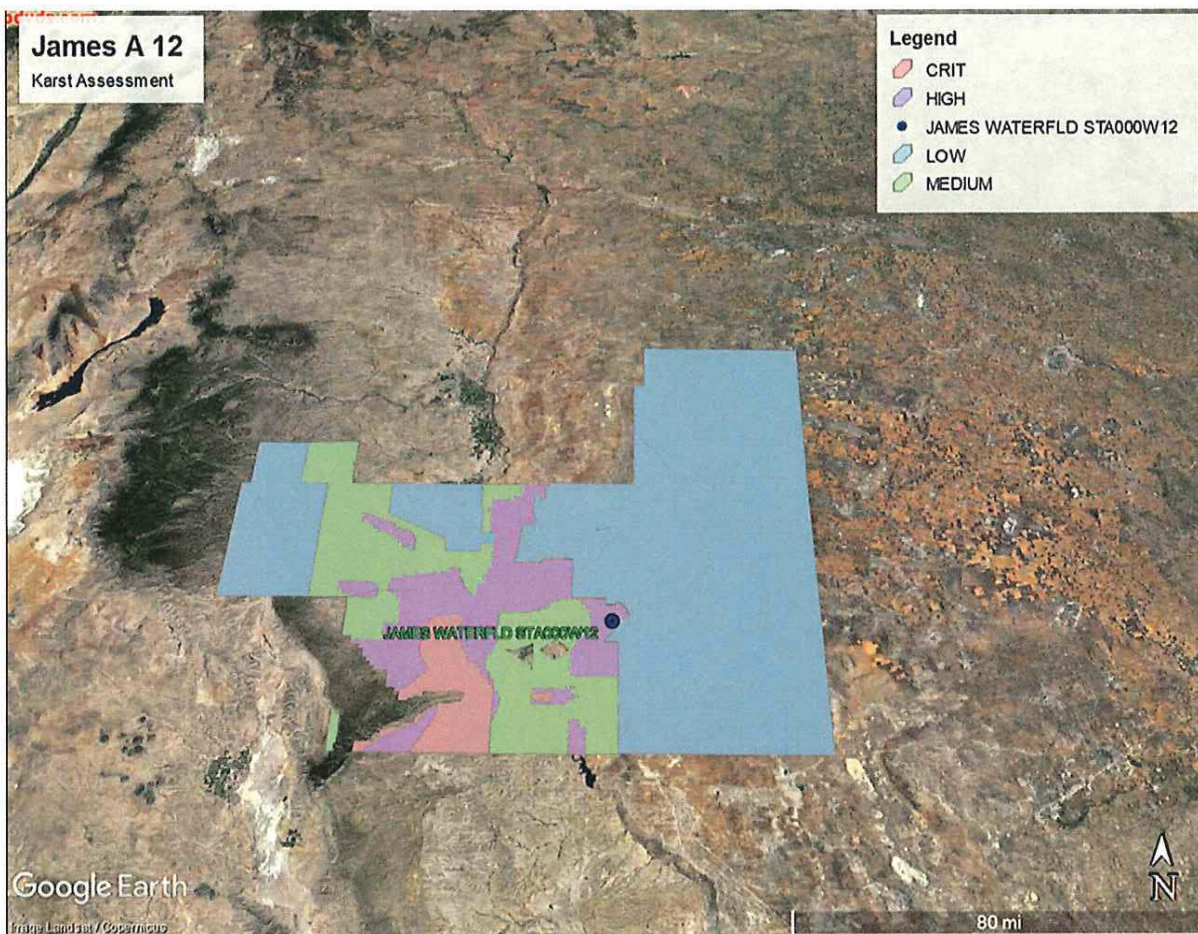
8/2/19 2:14 PM

Page 1 of 1

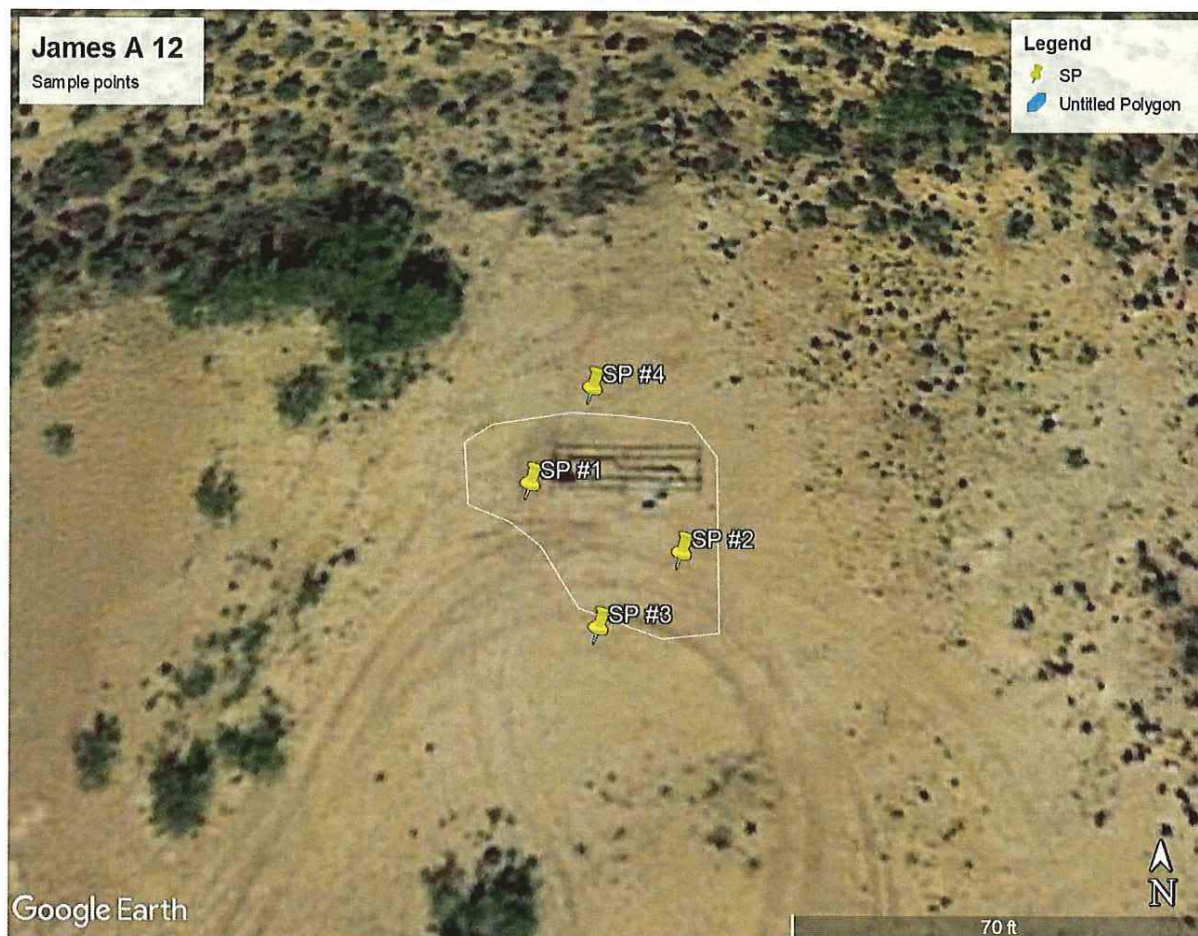
WATER COLUMN/ AVERAGE  
DEPTH TO WATER



### Karst Assessment (High Potential)



Spill Area and Sample Points.





SAMPLE ID	SAMPLE DATE	SAMPLE INTERVAL	Chloride		To be remediated
		ft	mg/kg	Q	
SP #1	11/5/2019	6"	31600		YES
SP #1	11/5/2019	2'	1020		YES
SP #1	11/5/2019	4'	640		YES
SP #1	11/5/2019	6'	1840		YES
SP #1	11/5/2019	8'	640		YES
SP #2	11/5/2019	6"	15000		YES
SP #2	11/5/2019	2'	1150		YES
SP #2	11/5/2019	4'	1520		YES
SP #2	11/5/2019	6'	1600		YES
SP #2	11/5/2019	8'	1100		YES
SP #3	11/5/2019	Surface	2840		YES
SP #3	11/5/2019	2'	32		
SP #3	11/5/2019	4'	48		
SP #3	11/5/2019	6'	16		
SP #3	11/5/2019	8'	16		
SP #4	11/5/2019	Surface	2320		YES
SP #4	11/5/2019	2'	240		
SP #4	11/5/2019	4'	64		
SP #4	11/5/2019	6'	656		
SP #4	11/5/2019	8'	624		

**Notes and Definitions**

**S-06** The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

**QR-02** The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

**QM-07** The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

**RPD** Relative Percent Difference

**ND** Analyte NOT DETECTED at or above the reporting limit

Excavation Plan.



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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	ConocoPhillips Company	OGRID	217817
Contact Name	Gustavo Fejervary	Contact Telephone	432/210-7037
Contact email	g.fejervary@cop.com	Incident # (assigned by OCD)	
Contact mailing address	5735 SW 7000 Andrews, TX 79714		

### Location of Release Source

Latitude 32.4173279 Longitude -103.8466568  
(NAD 83 to decimal degrees to 5 decimal places)

Site Name	JAMES A 12	Site Type	Injection well
Date Release Discovered	10/16/19	API# (if applicable)	30-015-26761

Unit Letter	Section	Township	Range	County
P	02	22S	30E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 18	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release flow line leak. on pad



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

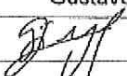
☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Gustavo Fejervary Title: Environmental Coordinator

Signature:  Date: 10/16/19

email: g.fejervary@cop.com Telephone: 432/210-7037

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Form C-141

Page 3

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5696
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?	262 (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 checked="" type="checkbox"/> Yes <input 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.

<p><b>Characterization Report Checklist:</b> Each of the following items must be included in the report.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li><input checked="" type="checkbox"/> Field data</li> <li><input checked="" type="checkbox"/> Data table of soil contaminant concentration data</li> <li><input checked="" type="checkbox"/> Depth to water determination</li> <li><input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li><input checked="" type="checkbox"/> Boring or excavation logs</li> <li><input checked="" type="checkbox"/> Photographs including date and GIS information</li> <li><input checked="" type="checkbox"/> Topographic/Aerial maps</li> <li><input checked="" type="checkbox"/> Laboratory data including chain of custody</li> </ul>
--

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

Form C-141

Page 4

State of New Mexico  
Oil Conservation Division

Incident ID	nRM1931856084
District RP	2RP-5696
Facility ID	
Application ID	

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

Printed Name: Gustavo FejervaryTitle: Environmental CoordinatorSignature: Date: 01/14/20email: g.fejervary@cop.comTelephone: 432/210-7037**OCD Only**Received by: Cristina EadsDate: 02/27/2020





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

November 08, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: JAMES A #12

Enclosed are the results of analyses for samples received by the laboratory on 11/06/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://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 "Coley 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:**

Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 11/06/2019  
 Reported: 11/08/2019  
 Project Name: JAMES A #12  
 Project Number: NONE GIVEN  
 Project Location: COPC - EDDY CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP #1 - 6" (H903792-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31600	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #1 - 2' (H903792-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #1 - 4' (H903792-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #1 - 6' (H903792-04)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	11/07/2019	ND	400	100	400	3.92	

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

**Sample ID: SP #1 - 8' (H903792-05)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #2 - 6" (H903792-06)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #2 - 2' (H903792-07)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #2 - 4' (H903792-08)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #2 - 6' (H903792-09)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	11/07/2019	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 11/06/2019  
 Reported: 11/08/2019  
 Project Name: JAMES A #12  
 Project Number: NONE GIVEN  
 Project Location: COPC - EDDY CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP #2 - 8' (H903792-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #3 - SURFACE (H903792-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #3 - 2' (H903792-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/07/2019	ND	400	100	400	3.92	

**Sample ID: SP #3 - 4' (H903792-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/08/2019	ND	400	100	400	7.69	

**Sample ID: SP #3 - 6' (H903792-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 11/06/2019  
 Reported: 11/08/2019  
 Project Name: JAMES A #12  
 Project Number: NONE GIVEN  
 Project Location: COPC - EDDY CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP #3 - 8' (H903792-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2019	ND	400	100	400	7.69	

**Sample ID: SP #4 - SURFACE (H903792-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	11/08/2019	ND	400	100	400	7.69	

**Sample ID: SP #4 - 2' (H903792-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/08/2019	ND	400	100	400	7.69	

**Sample ID: SP #4 - 4' (H903792-18)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/08/2019	ND	400	100	400	7.69	

**Sample ID: SP #4 - 6' (H903792-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 11/06/2019  
 Reported: 11/08/2019  
 Project Name: JAMES A #12  
 Project Number: NONE GIVEN  
 Project Location: COPC - EDDY CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP #4 - 8' (H903792-20)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

---

**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.

---

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 9

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

FORN-006 R.3.0

+ Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

6 of 6 pages



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips		P.O. #:		BILL TO												ANALYSIS REQUEST																	
Project Manager: Justin Wright		Company: ConocoPhillips																															
Address:		Attn:																															
City: Hobbs		St. NIM		Zip:		#																											
Phone #: 575-631-9092		Fax #:		Address:		City:		State:		Zip:																							
Project #:		Project Owner: COPC		City:		State:		Zip:																									
Project Name: James A #13		Phone #:		Fax #:																													
Project Location: Eddy County, NM		Phone #:		Fax #:																													
Sampler Name: Justin Wright		Fax #:																															
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:											
H903-792	SP#3-Surface	G		G		G		G		G		G		G		G		G		G		G											
11	SP#3-2'	G		G		G		G		G		G		G		G		G		G		G											
12	SP#3-4'	G		G		G		G		G		G		G		G		G		G		G											
13	SP#3-6'	G		G		G		G		G		G		G		G		G		G		G											
14	SP#3-8'	G		G		G		G		G		G		G		G		G		G		G											
15	SP#3-Surface	G		G		G		G		G		G		G		G		G		G		G											
16	SP#4-2'	G		G		G		G		G		G		G		G		G		G		G											
17	SP#4-4'	G		G		G		G		G		G		G		G		G		G		G											
18	SP#4-6'	G		G		G		G		G		G		G		G		G		G		G											
19	SP#4-8'	G		G		G		G		G		G		G		G		G		G		G											
20	SP#4-8'	G		G		G		G		G		G		G		G		G		G		G											
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of time, or loss of profits sustained by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.		DATE: 11-6-19		RECEIVED BY: [Signature]		DATE: 11-6-19		RECEIVED BY: [Signature]																									
Relinquished By: [Signature]		DATE: 11-6-19		RECEIVED BY: [Signature]		DATE: 11-6-19		RECEIVED BY: [Signature]																									
Delivered By: (Circle One)		Observed Temp. °C -1.4		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition																			
Sampler - UPS - Bus - Other:		Corrected Temp. °C -1.2		Cool Intact		Yes		Thermometer ID #97		Rush		Cool Intact		Observed Temp. °C																			
				No		No		Correction Factor +0.4 °C				Yes		Corrected Temp. °C																			
FOR CARDINAL USE ONLY																																	

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



## **APPENDIX D**

### **Laboratory Analytical Data**





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

---

December 13, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 15:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 1 (H213574-01)**

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	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/11/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 2 (H213574-02)**

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTX	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 3 (H213574-03)**

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2021	ND	214	107	200	2.58	
DRO >C10-C28*	25.4	10.0	12/11/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	29.5	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 4 (H213574-04)**

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 5 (H213574-05)**

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2021	ND	214	107	200	2.58	
DRO >C10-C28*	234	10.0	12/11/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	206	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 1 (H213574-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2021	ND	214	107	200	2.58	
DRO >C10-C28*	212	10.0	12/11/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	199	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 2 (H213574-07)**

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	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/11/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2021	ND	214	107	200	2.58	
DRO >C10-C28*	215	10.0	12/11/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	156	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 3 (H213574-08)**

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	12/10/2021	ND	2.18	109	2.00	6.19	
Toluene*	<0.050	0.050	12/10/2021	ND	2.11	105	2.00	6.35	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.05	103	2.00	5.94	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.18	103	6.00	4.33	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	15.7	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 4 (H213574-09)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/10/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.18	103	6.00	4.33		
Total BTEX	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 67.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.9 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 1 (H213574-10)**

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	12/10/2021	ND	2.18	109	2.00	6.19	
Toluene*	<0.050	0.050	12/10/2021	ND	2.11	105	2.00	6.35	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.05	103	2.00	5.94	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.18	103	6.00	4.33	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 2 (H213574-11)**

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	12/10/2021	ND	2.18	109	2.00	6.19	
Toluene*	<0.050	0.050	12/10/2021	ND	2.11	105	2.00	6.35	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.05	103	2.00	5.94	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.18	103	6.00	4.33	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 3 (H213574-12)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2021	ND	2.18	109	2.00	6.19	
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33	
Total BTEx	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/11/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 4 (H213574-13)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 66.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 5 (H213574-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 6 (H213574-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 7 (H213574-16)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 1 (H213574-17)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 2 (H213574-18)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 3 (H213574-19)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/11/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 79.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 4 (H213574-20)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/11/2021	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	12/10/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 5 (H213574-21)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.1 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 4 (H213574-22)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 5 (H213574-23)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTX	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 6 (H213574-24)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTX	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 1 (H213574-25)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTX	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 2 (H213574-26)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTX	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 3 (H213574-27)**

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	12/11/2021	ND	2.18	109	2.00	6.19		
Toluene*	<0.050	0.050	12/11/2021	ND	2.11	105	2.00	6.35		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.05	103	2.00	5.94		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.18	103	6.00	4.33		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/11/2021	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	12/11/2021	ND	188	93.9	200	2.90	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	213	106	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.1 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 4 (H213574-28)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTX	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	QM-07
DRO >C10-C28*	601	10.0	12/11/2021	ND	219	110	200	1.51	QM-07, QR-03
EXT DRO >C28-C36	432	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 5 (H213574-29)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	142	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	167	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 6 (H213574-30)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 7 (H213574-31)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 8 (H213574-32)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTEX	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 9 (H213574-33)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	274	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	319	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 121 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 10 (H213574-34)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	138	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	201	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 11 (H213574-35)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTEx	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	77.7	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	107	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 92.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 12 (H213574-36)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.9 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 13 (H213574-37)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 14 (H213574-38)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 15 (H213574-39)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	272	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	337	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 16 (H213574-40)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTEX	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	339	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	430	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/08/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 17 (H213574-41)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 18 (H213574-42)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 19 (H213574-43)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTEx	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 20 (H213574-44)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 21 (H213574-45)**

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	12/11/2021	ND	2.14	107	2.00	6.62	
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00	
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38	
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87	
Total BTEx	<0.300	0.300	12/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 22 (H213574-46)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEX	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.4 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 23 (H213574-47)**

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	12/11/2021	ND	2.14	107	2.00	6.62		
Toluene*	<0.050	0.050	12/11/2021	ND	2.07	103	2.00	7.00		
Ethylbenzene*	<0.050	0.050	12/11/2021	ND	2.02	101	2.00	7.38		
Total Xylenes*	<0.150	0.150	12/11/2021	ND	6.16	103	6.00	7.87		
Total BTEx	<0.300	0.300	12/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/11/2021	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	12/11/2021	ND	219	110	200	1.36	
DRO >C10-C28*	<10.0	10.0	12/11/2021	ND	219	110	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/11/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.1 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



Rush 24 Hr TAT

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Conoco Phillips

Project Manager: Christian Lull

Address: Christian.Lull@TetraTech.com

City: State: Zip:

Phone #: Fax #:

Project #: 212C-MD-02366 Project Owner: Tetra Tech

Project Name: Jones A #12 Flowline Release

Project Location: Eddy County, NM

Sample Name: Andrew Garcia

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H013574

NSW-1

NSW-2

NSW-3

NSW-4

NSW-5

ESW-1

ESW-2

ESW-3

ESW-4

ESW-1

ESW-2

ESW-3

ESW-4

ESW-1

ESW-2

ESW-3

ESW-4

ESW-1

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

DATE

TIME

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Andrew Garcia

Relinquished By:

Andrew Garcia

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sampler - UPS - Bus - Other:

Date: 10/04/21

Time: 3:30pm

Received By:

Date: 10/04/21

Time: 3:30pm

Received By:

Date: 10/04/21

Time: 3:30pm

Sample Condition

Cool Intact

Yes Yes

No No

Checked By:

Checked By:

Checked By:

Checked By:

REMARKS:

Phone Result:

Fax Result:

Add'l Phone #:

Add'l Fax #:

Email to Christian.Lull@TetraTech.com

432-270-0197 Andrew Garcia

432-270-0197 Andrew Garcia

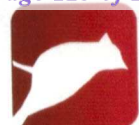




## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Conoco Phillips		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Christian Llull		Company: Tetra Tech					
Address: Christian.Llull@TetraTech.com		Attn: Christian Llull					
City:		Address: 901 W. Wall St. Ste 100					
State:		City: Midland					
Zip:		State: TX Zip: 79701					
Phone #:		Phone #: 512-338-1667					
Fax #:		Fax #:					
Project #: 212C-MD-02366		Project Owner: Tetra Tech					
Project Name: James A #12		State: TX Zip: 79701					
Project Location: Eddy Co., NM		Phone #: 512-338-1667					
Sample Name: Andrew Garcia		Fax #:					
FOR LAB USE ONLY		PRESERV		SAMPLING			
Lab I.D.		Sample I.D.					
H213574		SSW-2		12/09 1100		X	
11		SSW-3		12/09 1130		X	
12		SSW-4		12/09 1200		X	
13		SSW-5		12/10 900			
14		SSW-6		12/10 1300			
15		SSW-7		12/10 1030			
16		SSW-1		12/10 1100			
17		SSW-2		12/10 1130			
18		SSW-3		12/10 1200			
19		SSW-4					
20							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: Andrew Garcia		Date: 12-10-21		Received By: [Signature]	
Relinquished By: Andrew Garcia		Date: 12-10-21		Time: 1530		Received By: [Signature]	
Delivered By: (Circle One) 4.30 C-0.50		Sample Condition		CHECKED BY: (Initials)			
Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Sampler - UPS - Bus - Other: 5.80 #113							
Email to Christian.Llull@TetraTech.com							



**CARDINAL**  
Laboratories

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Conoco Phillips	P.O. #:
Project Manager: Christian Lull	Company: Tetra Tech
Address: Christian.Lull@TetraTech.com	Attn: Christian Lull
City:	Address: 901 W. Wall St. Ste 100
State:	City: Midland
Zip:	State: TX Zip: 79701
Phone #:	Phone #: 512-338-1667
Project #: 212C-MD-0236	Project Owner: Tetra Tech
Project Name: James A #12	Fax #:
Project Location: Eddy County, NM	
Sampler Name: Andrew Garcia	

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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 8015M	BTEX 8021B	Chloride 300.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Andrew Garcia	Date: 12-10-21	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: [Blank]
Relinquished By: [Blank]	Date: [Blank]	Received By: [Blank]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: [Blank]
Delivered By: (Circle One) 4.30 C.O.S.E	Time: 5:30	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature]	REMARKS: Email to Christian.Lull@TetraTech.com
Sampler - UPS - Bus - Other: 5.80 #113				





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

December 14, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/21 16:55.

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](http://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:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 4 ( 2' ) (H213593-01)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	215	107	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	210	105	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 5 ( 2' ) (H213593-02)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	215	107	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	210	105	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-133

Surrogate: 1-Chlorooctadecane 133 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 9 ( 2' ) (H213593-03)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	215	107	200	1.02	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	210	105	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 128 % 44.3-133

Surrogate: 1-Chlorooctadecane 141 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 10 ( 2' ) (H213593-04)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 11 ( 2' ) (H213593-05)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 15 ( 2' ) (H213593-06)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 16 ( 2' ) (H213593-07)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 1 (H213593-08)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEx	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 2 (H213593-09)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEx	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 3 (H213593-10)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEx	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.8 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: CSW - 7 (H213593-11)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTEx	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2021	Sampling Date:	12/13/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 5 ( 5' ) (H213593-12)**

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	12/14/2021	ND	1.93	96.7	2.00	7.69		
Toluene*	<0.050	0.050	12/14/2021	ND	1.84	92.0	2.00	7.05		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.84	92.2	2.00	4.91		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.73	95.6	6.00	4.73		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	188	94.0	200	0.890	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	190	94.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.1 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### 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





RUSH 24 HRTAT

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

BILL TO

ANALYSIS REQUEST

Company Name: Conoco Phillips

Project Manager: Christian Lull

Address: Christian.Lull@TetraTech.com

City: State: Zip:

Phone #: Fax #:

Project #: 212C-MD-02364 Project Owner:

Project Name: James A#12

Project Location: Eddy Co, NM

Sampler Name: Andrew Garcia

FOR LAB USE ONLY

Lab I.D. Sample I.D.

#1213593

01	FS-4 (2')
02	FS-5 (2')
03	FS-9 (2')
04	FS-10 (2')
05	FS-11 (2')
06	FS-15 (2')
07	FS-16 (2')
08	CSW-1
09	CSW-2
10	CSW-3

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME  
2021 N/A  
13 Dec 9:00 AM

TPH 8015M

BTEX 8021B

Chloride 300.0 4500

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Andrew Garcia

Date: 13 Dec 21

Received By: Christian Lull

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Email to Christian.Lull@TetraTech.com

Relinquished By: Andrew Garcia

Date: 13 Dec 21

Received By: Christian Lull

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sample Condition Cool Intact Yes No

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

Yes No

Yes No



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

Rush 24 HR TAT

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Conoco Phillips

Project Manager: Christian Lull

Address: Christian.Lull@TetraTech.com

City: State: Zip:

Phone #: Fax #:

Project #: 212C-MD-02366

Project Name:

Project Location:

P.O. #:

Company: Tetra Tech

Attn: Christian Lull

Address: 901 W. Wall St, Ste 100

City: Midland

State: TX Zip: 79701

Phone #: 512-338-1667

Fax #:

Sample Name: Andrew Garcia

FOR LAB USE ONLY

Lab I.D. Sample I.D.

1213593-1112

CSW-7 NSW-5 (5)

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

2021

13 Dec 1345

13 Dec 1400

TPH 8015M

BTEX 8021B

Chloride 300.0 4506

Relinquished By: Andrew Garcia

Time: 11:55

Date: 12/13/21

Received By: Christian Lull

Time:

Date:

Delivered By: (Circle One) 250 C-0.50

Sampler - UPS - Bus - Other: 2.00 #113

Sample Condition

Checked By: (Initials) YB.

Phone Result: Yes No

Fax Result: Yes No

Remarks: Email to Christian.Lull@TetraTech.com

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

BILL TO ANALYSIS REQUEST





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

---

December 15, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/14/21 16:50.

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](http://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:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 5 ( 5' ) (H213603-01)**

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTEX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	12/15/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	5360	50.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	3040	50.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-133

Surrogate: 1-Chlorooctadecane 314 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 5 ( 10' ) (H213603-02)**

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2021	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	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 1 ( 5' ) (H213603-03)**

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/15/2021	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	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	186	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	231	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-133

Surrogate: 1-Chlorooctadecane 139 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 2 ( 5' ) (H213603-04)**

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	389	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	469	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-133

Surrogate: 1-Chlorooctadecane 148 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### Notes and Definitions

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

---

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



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Conoco Phillips

Project Manager: Christian Lull

Address: Christian.Lull@TetraTech.com

City: State: Zip:

Phone #: Fax #:

Project #: 212C-MD-02366 Project Owner:

Project Name: James A 12

Project Location: Eddy Co, NM

Sample Name: Andrew Garcia

## BILL TO

P.O. #:

Company: Tetra Tech

Attn: Christian Lull

Address: 901 W. Wall St. Ste 100

City: Midland

State: TX Zip: 79701

Phone #: 512-338-1667

## ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H213603

1 NSW-5 (5')  
2 NSW-5 (10')  
3 ESW-1 (5')  
4 ESW-2 (5')

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

2021

12/14 1000

12/14 1030

12/14 1100

12/14 1130

TPH 8015M

BTEX 8021B

Chloride ~~300.0~~ 4500

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Andrew Garcia

Date: 1/11/21

Received By:

1/11/21

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

5:30 C.O.S.E  
4:80 #113

Sample Condition  
Cool Intact  
Yes ☒ No ☐

CHECKED BY (Initials)

Email to Christian.Lull@TetraTech.com

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

REMARKS:

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

---

December 16, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/14/21 16:50.

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](http://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:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 1 ( 10' ) (H213607-01)**

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	12/15/2021	ND	2.04	102	2.00	7.88	
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	7.97	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.93	96.4	2.00	7.86	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	5.87	97.8	6.00	7.66	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	224	16.0	12/16/2021	ND	400	100	400	7.69	

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	12/15/2021	ND	237	118	200	8.35	
DRO >C10-C28*	645	10.0	12/15/2021	ND	213	107	200	3.28	
EXT DRO >C28-C36	374	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 132 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/14/2021	Sampling Date:	12/14/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 2 ( 10' ) (H213607-02)**

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	12/15/2021	ND	2.04	102	2.00	7.88		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	7.97		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.93	96.4	2.00	7.86		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	5.87	97.8	6.00	7.66		
Total BTEX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/16/2021	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	12/15/2021	ND	237	118	200	8.35	
DRO >C10-C28*	148	10.0	12/15/2021	ND	213	107	200	3.28	
EXT DRO >C28-C36	111	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





---

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Conoco Phillips		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Christian Lull		Company: Tetra Tech					
Address: Christian.Lull@TetraTech.com		Attn: Christian Lull					
City:		State:		Zip:			
Phone #:		Fax #:		Address: 901 W. Wall St. Ste 100			
Project #: 212C-MD-02366		Project Owner:		City: Midland			
Project Name: James A 12		State: TX		Zip: 79701			
Project Location: Eddy Co, NM		Phone #: 512-338-1667		Fax #:			
Sampler Name: Andrew Garcia							
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER:			
				ACID/BASE:			
				ICE / COOL			
				OTHER:			
				DATE		TIME	
				12/14		1200	
				12/14		1230	
				TPH 8015M			
				BTEX 8021B			
				Chloride 300.0 4500			
				Hold Removed			
				added Bush!			
				To 12/15/21 @ 1300			

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

---

December 16, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/15/21 16:50.

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](http://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:	12/15/2021	Sampling Date:	12/15/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 1 ( 15' ) (H213630-01)**

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	12/16/2021	ND	2.12	106	2.00	0.385	
Toluene*	<0.050	0.050	12/16/2021	ND	2.06	103	2.00	0.900	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.01	100	2.00	0.120	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	1.20	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/16/2021	ND	400	100	400	7.69	

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	12/16/2021	ND	221	110	200	2.74	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.9 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/15/2021	Sampling Date:	12/15/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 2 ( 15' ) (H213630-02)**

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	12/16/2021	ND	2.12	106	2.00	0.385		
Toluene*	<0.050	0.050	12/16/2021	ND	2.06	103	2.00	0.900		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.01	100	2.00	0.120		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	1.20		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/16/2021	ND	400	100	400	7.69		

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	12/16/2021	ND	221	110	200	2.74	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	208	104	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.7 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager





Rush 24 HR TAT

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Conoco Phillips <b>Project Manager:</b> Christopher Lluu <b>Address:</b> Christian, Lluu E TetraTech.com <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> 2126-MD-02366 <b>Project Owner:</b> _____ <b>Project Name:</b> James A 12 <b>Project Location:</b> Eddy, Co NM <b>Sampler Name:</b> Andrew Garcia <b>FOR LAB USE ONLY</b>				<b>P.O. #:</b> _____ <b>Company:</b> Tetra Tech <b>Attn:</b> Christopher Lluu <b>Address:</b> 901 W. Wash St <b>City:</b> Midland, TX <b>State:</b> TX <b>Zip:</b> 79701 <b>Phone #:</b> 512-338-1667 <b>Fax #:</b> _____							
<b>Lab I.D.</b>				<b>Sample I.D.</b>							
<b>Matrix</b>				<b>Preserv</b>				<b>Sampling</b>			
(G) RAB OR (C) COMP.				# CONTAINERS				DATE			
GROUNDWATER				WASTEWATER				TIME			
SOIL				OIL				TPH 8015 M			
SLUDGE				OTHER :				BTEX 8021 B			
ACID/BASE:				ICE / COOL				Chlorides 4500			
OTHER :				DATE				TIME			
12/15				1200				X			
12/15				1230				X			

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

**Relinquished By:** \_\_\_\_\_ **Received By:** \_\_\_\_\_

**Date:** 12 Dec 21 **Time:** 1:50

**Relinquished By:** \_\_\_\_\_ **Received By:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Delivered By: (Circle One)** 4.36°C - 0.5°C

**Sampler - UPS - Bus - Other:** 3.86 #113

**Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No

**CHECKED BY:** (Initials) Y.E.

**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:** \_\_\_\_\_

**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:** \_\_\_\_\_

**REMARKS:**



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

December 17, 2021

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: COP - JAMES A #12 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/16/21 15:55.

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](http://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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 24 ( 2' ) (H213640-01)**

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	12/17/2021	ND	2.11	105	2.00	2.62	
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38	
Total BTEX	<0.300	0.300	12/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/17/2021	ND	416	104	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	12/17/2021	ND	199	99.6	200	0.524	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	190	95.0	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					

Surrogate: 1-Chlorooctane 84.0 % 62-130

Surrogate: 1-Chlorooctadecane 82.4 % 54.5-135

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	COP - JAMES A #12 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02366	Sample Received By:	Jodi Henson
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 25 ( 2' ) (H213640-02)**

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	12/17/2021	ND	2.11	105	2.00	2.62		
Toluene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	3.28		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.98	99.2	2.00	2.98		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.02	100	6.00	3.38		
Total BTEX	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	199	99.6	200	0.524	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	190	95.0	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 67.9 % 62-130

Surrogate: 1-Chlorooctadecane 65.8 % 54.5-135

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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





Rush 24 hr TAT

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

<b>Company Name:</b> Conoco Phillips					<b>BILL TO</b>					<b>ANALYSIS REQUEST</b>				
<b>Project Manager:</b> Christian Llull					<b>P.O. #:</b>									
<b>Address:</b> Christian.Llull@tetratech.com					<b>Company:</b> Tetra Tech									
<b>City:</b>					<b>Attn:</b> Christian Llull									
<b>State:</b>					<b>Address:</b> 901 W. Wall St Ste 100									
<b>Zip:</b>					<b>City:</b> Midland, TX									
<b>Phone #:</b>					<b>State:</b> TX <b>Zip:</b> 79701									
<b>Fax #:</b>					<b>Phone #:</b> 512-330-1667									
<b>Project #:</b> 212C-MD-023646					<b>Project Owner:</b>									
<b>Project Name:</b> James A #012					<b>Sample Location:</b> Eddy Co, NM									
<b>Sampler Name:</b> Andres Garcia					<b>Fax #:</b>									
FOR LAB USE ONLY														
<b>Lab I.D.</b>  H213640 2		<b>Sample I.D.</b>  FS-24 (2') FS-25 (2')		(G)RAB OR (C)OMP.		# CONTAINERS		<b>MATRIX</b>			<b>PRESERV</b>		<b>SAMPLING</b>	
				GROUNDWATER										
				WASTEWATER										
				SOIL		X								
				OIL		X								
				SLUDGE										
				OTHER :										
				ACID/BASE:										
				ICE / COOL		X								
				OTHER :										
				DATE		TIME								
				2021										
				12/16		1200		TPH 8015 M			X			
				12/16		1230		BTEX 8021 B			X			
								Chlorides 4500			X			

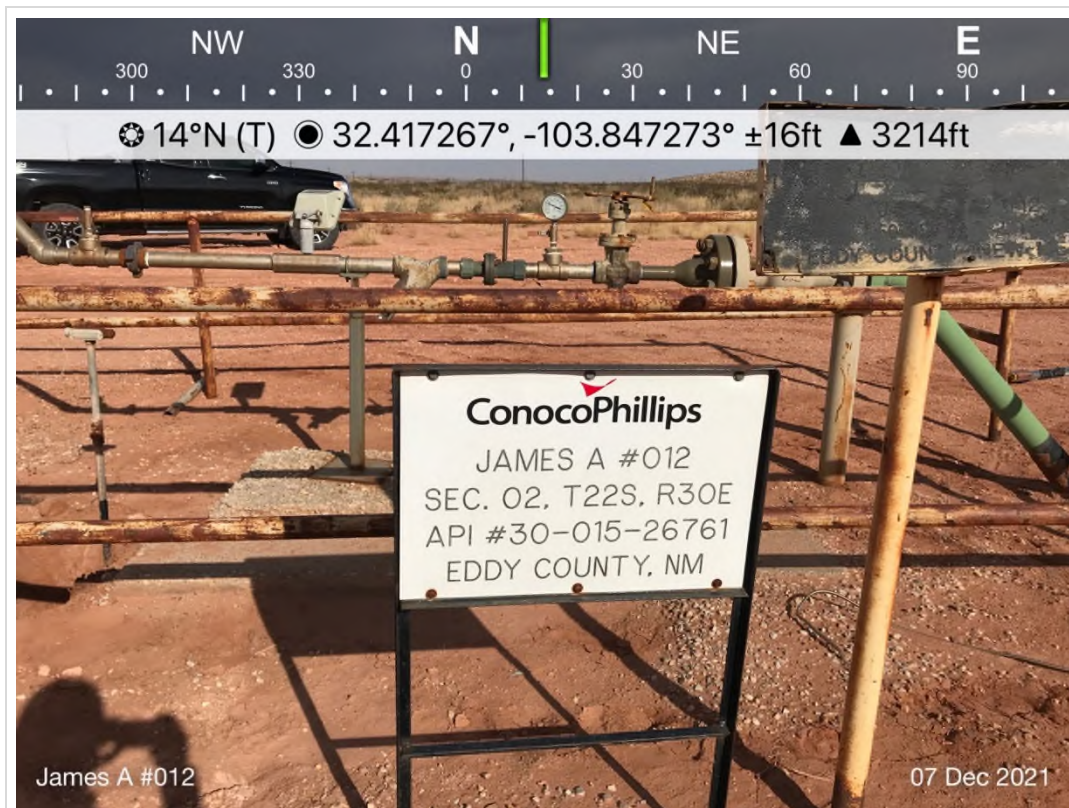
**PLEASE NOTE:** Liability and Damages. Cardman's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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 services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

<b>Relinquished By:</b> [Signature]		<b>Date:</b> 16 Dec 21		<b>Received By:</b> [Signature]		<b>Date:</b> 15:55	
<b>Relinquished By:</b>		<b>Date:</b>		<b>Received By:</b>		<b>Date:</b>	
<b>Delivered By:</b> (Circle One) #113		<b>Time:</b>		<b>Sample Condition</b> <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> [Signature]	
<b>Sampler - UPS - Bus - Other:</b> 410-5 3.60		<b>Time:</b>		<b>REMARKS:</b> Email results to Christian.Llull@tetratech.com			



## **APPENDIX E**

### **Photographic Documentation**



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View north of James A #12 signage.	1
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/7/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View west toward the release point and release area.	2
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/7 /2021



## Loving NM

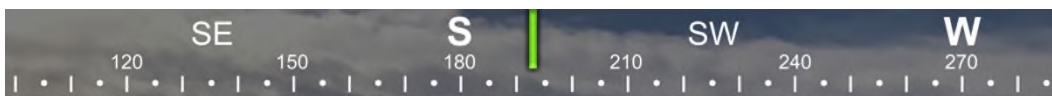
☼ 281°W (T) ● 32.417231°, -103.846859° ±16ft ▲ 3197ft



James A #012

07 Dec 2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View west toward the release point and release area.	3
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/7/2021



☼ 193°S (T) ● 32.417284°, -103.847295° ±16ft ▲ 3217ft



James A #012

07 Dec 2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View south of established Buffer Zone around buried pipeline.	4
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/7/2021





TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View south of established Buffer Zone around buried pipeline and pipeline daylighting activities	5
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/7/2021

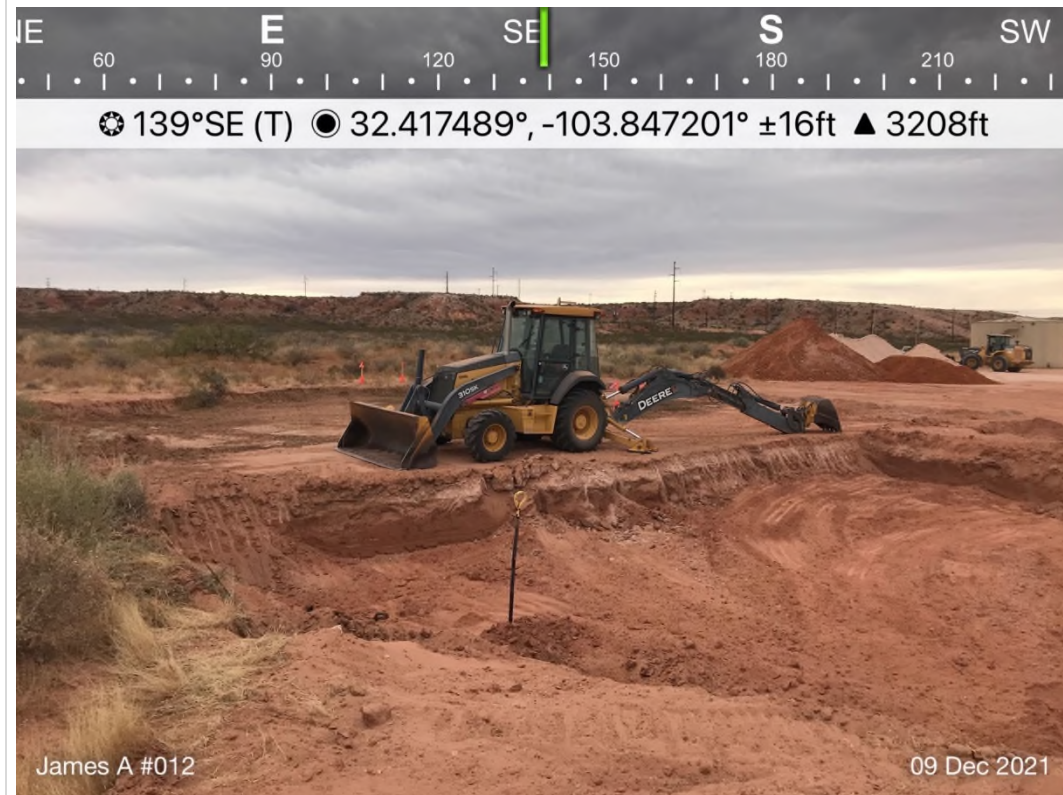


TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View south of the eastern portion of the excavation.	6
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/9/2021





TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northwest of excavation activities.	7
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/9/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northwest of 4' excavation activities.	8
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/9/2021





TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View south of the western portion of the excavation.	9
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/14/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View west of the eastern portion of the excavation.	10
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/14/2021





TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View north of eastern portion of excavation.	11
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/15/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northwest north of eastern portion of excavation.	12
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/15/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View east of the western portion of excavation.	13
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/15/2021

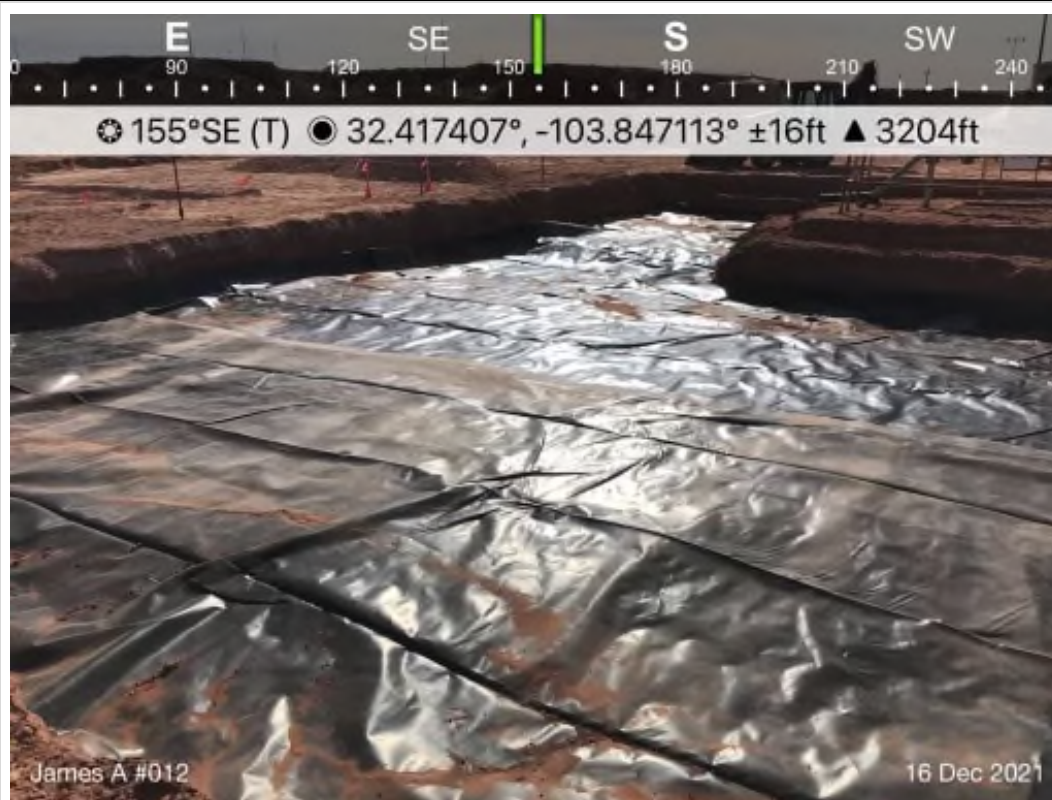


TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View east of preparatory activities associated with buried pipeline.	14
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/16/2021





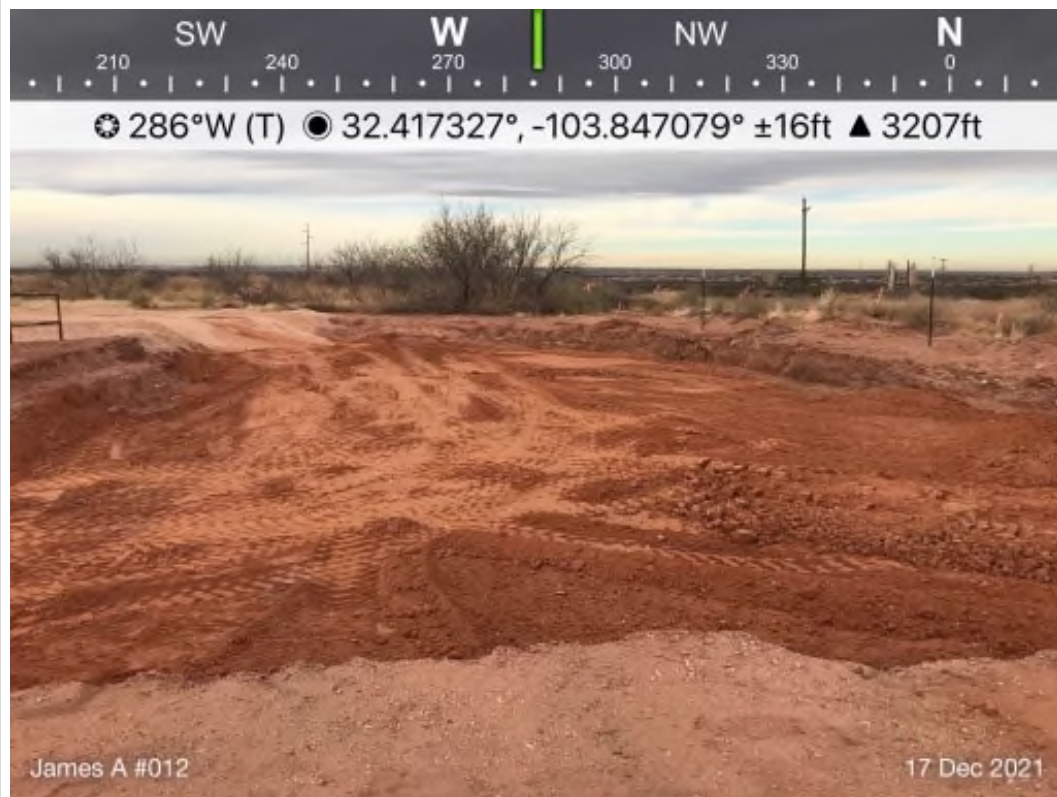
TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northeast east of preparatory activities associated with buried pipeline.	15
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/16/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View southeast south of liner deployment in western portion of excavation.	16
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/15/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View east of liner deployment in western portion of excavation.	17
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/16/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View west of excavation backfill in western portion of excavation.	18
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/17/2021





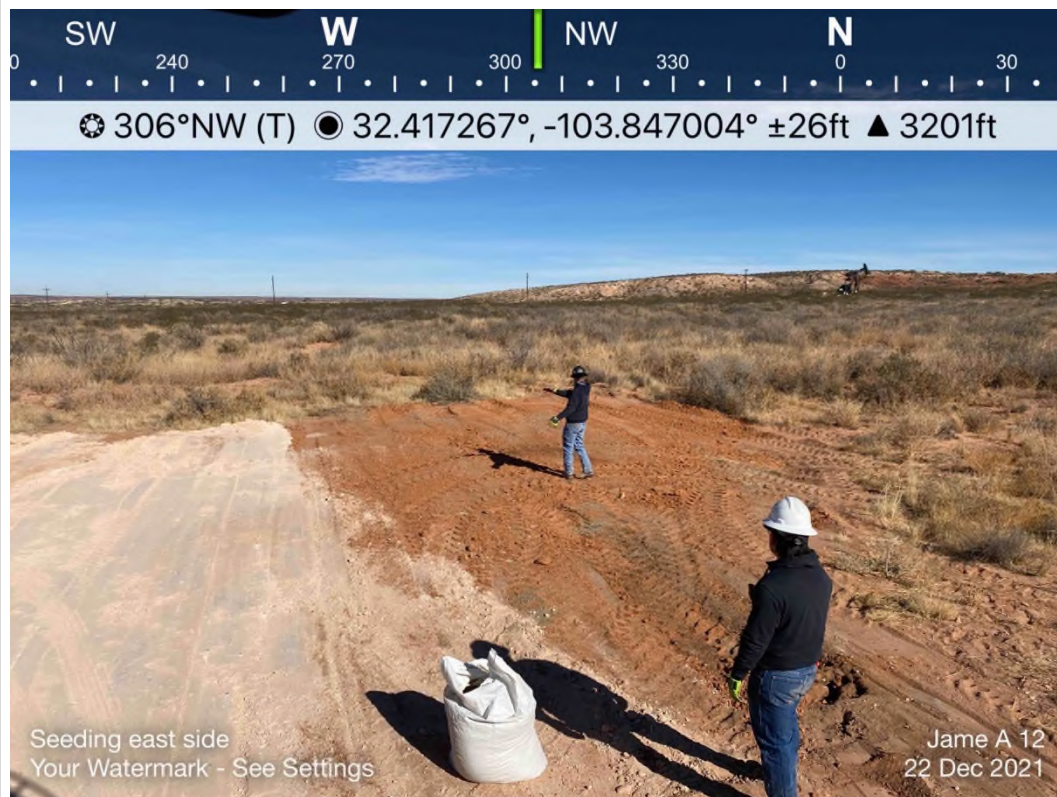
TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northeast of backfill activities in western portion of excavation.	19
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/22/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northeast east of backfill activities in eastern portion of excavation.	20
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/22/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View west of backfilled excavation.	21
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/22/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02366	DESCRIPTION	View northwest of seeding activities in northeast corner of backfilled excavation.	22
	SITE NAME	ConocoPhillips: James A #12 Flowline Release Remediation	12/22/2021



## **APPENDIX F**

### **Waste Manifests**



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 01  
 Manif. Date: 12/7/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1255871  
 Bid #: O6UJ9A000HH0  
 Date: 12/7/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ABDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 02  
 Manif. Date: 12/7/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1255874  
 Bid #: O6UJ9A000HH0  
 Date: 12/7/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 03  
 Manif. Date: 12/7/2021  
 Hauler: MCNABB PARTNERS  
 Driver: HUGO  
 Truck #: M32 M31  
 Card #  
 Job Ref #

Ticket #: 700-1255876  
 Bid #: O6UJ9A000HH0  
 Date: 12/7/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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

*Hug z ola M31*

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 04  
Manif. Date: 12/8/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1256093  
Bid #: O6UJ9A000HH0  
Date: 12/8/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 05  
 Manif. Date: 12/8/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1256097  
 Bid #: O6UJ9A000HH0  
 Date: 12/8/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 006  
 Manif. Date: 12/8/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1256139  
 Bid #: O6UJ9A000HH0  
 Date: 12/8/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 07  
Manif. Date: 12/8/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1256122  
Bid #: O6UJ9A000HH0  
Date: 12/8/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 08  
 Manif. Date: 12/8/2021  
 Hauler: MCNABB PARTNERS  
 Driver: DANIEL  
 Truck #: M34  
 Card #  
 Job Ref #

Ticket #: 700-1256131  
 Bid #: O6UJ9A000HH0  
 Date: 12/8/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 09  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1256331  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 10  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1256346  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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: 12/9/2021  
Hauler: MCNABB PARTNERS  
Driver: HUGO  
Truck #: M31  
Card #  
Job Ref #

Ticket #: 700-1256347  
Bid #: O6UJ9A000HH0  
Date: 12/9/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in blue ink, appearing to read "Hugo Z m M31", is written over a horizontal line.

A handwritten signature in blue ink, appearing to be a stylized "A", is written over a horizontal line.

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 12  
Manif. Date: 12/9/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1256391  
Bid #: O6UJ9A000HH0  
Date: 12/9/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 13  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1256397  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: M76  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1256429  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 15  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: HUGO  
 Truck #: M31  
 Card #  
 Job Ref #

Ticket #: 700-1256430  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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

*Hgr 2 of 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 #: 16  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1256438  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 17  
 Manif. Date: 12/9/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1256441  
 Bid #: O6UJ9A000HH0  
 Date: 12/9/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

2000 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: 12/10/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1256611  
 Bid #: O6UJ9A000HH0  
 Date: 12/10/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 19  
Manif. Date: 12/10/2021  
Hauler: MCNABB PARTNERS  
Driver: DANIEL  
Truck #: M82  
Card #  
Job Ref #

Ticket #: 700-1256619  
Bid #: O6UJ9A000HH0  
Date: 12/10/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 20  
 Manif. Date: 12/10/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1256646  
 Bid #: O6UJ9A000HH0  
 Date: 12/10/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards  
18.00**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 #: 21  
Manif. Date: 12/10/2021  
Hauler: MCNABB PARTNERS  
Driver: DANIEL  
Truck #: 82  
Card #  
Job Ref #

Ticket #: 700-1256668  
Bid #: O6UJ9A000HH0  
Date: 12/10/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 22  
Manif. Date: 12/10/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1256677  
Bid #: O6UJ9A000HH0  
Date: 12/10/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 23  
 Manif. Date: 12/13/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1257144  
 Bid #: O6UJ9A000HH0  
 Date: 12/13/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

<b>Driver/ Agent Signature</b>	<b>R360 Representative Signature</b>
--------------------------------	--------------------------------------

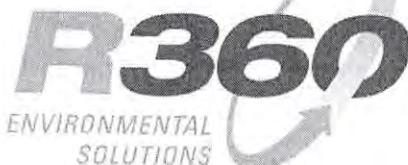
<b>Customer Approval</b>
--------------------------

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 24  
Manif. Date: 12/13/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1257150  
Bid #: O6UJ9A000HH0  
Date: 12/13/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 25  
Manif. Date: 12/13/2021  
Hauler: MCNABB PARTNERS  
Driver: DANIEL  
Truck #: M84  
Card #  
Job Ref #

Ticket #: 700-1257153  
Bid #: O6UJ9A000HH0  
Date: 12/13/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~20.00~~ yards

18.00

**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 #: 26  
Manif. Date: 12/13/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1257222  
Bid #: O6UJ9A000HH0  
Date: 12/13/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 27  
Manif. Date: 12/13/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1257231  
Bid #: O6UJ9A000HH0  
Date: 12/13/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~20.00~~ yards  
18.00

**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 #: 28  
Manif. Date: 12/13/2021  
Hauler: MCNABB PARTNERS  
Driver: DANIEL  
Truck #: M84  
Card #  
Job Ref #

Ticket #: 700-1257236  
Bid #: O6UJ9A000HH0  
Date: 12/13/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~20.00 yards~~

18.00

**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 #: 29  
 Manif. Date: 12/13/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1257253  
 Bid #: O6UJ9A000HH0  
 Date: 12/13/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 30  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1257446  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 31  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1257450  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: \_\_\_\_\_

A handwritten signature in black ink, appearing to be "J. Garcia", is written over the date line.



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 32  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: JESUS  
Truck #: M33  
Card #  
Job Ref #

Ticket #: 700-1257464  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

15.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 33  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: JESUS  
Truck #: M33  
Card #  
Job Ref #

Ticket #: 700-1257499  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~16.00~~ yards

15.00

**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 #: 34  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1257503  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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 #: 35  
Manif. Date: 12/14/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1257513  
Bid #: O6UJ9A000HH0  
Date: 12/14/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 36  
 Manif. Date: 12/14/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JESUS  
 Truck #: M33  
 Card #  
 Job Ref #

Ticket #: 700-1257536  
 Bid #: O6UJ9A000HH0  
 Date: 12/14/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

## Product / Service

## Quantity Units

## Contaminated Soil (RCRA Exempt)

16.00 yards

15.00

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

Lab Analysis:

## 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 #: 37  
 Manif. Date: 12/14/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1257537  
 Bid #: O6UJ9A000HH0  
 Date: 12/14/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 30  
 Manif. Date: 12/15/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1257708  
 Bid #: O6UJ9A000HH0  
 Date: 12/15/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: NA  
 Manif. Date: 12/15/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1257709  
 Bid #: O6UJ9A000HH0  
 Date: 12/15/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

## Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 40  
 Manif. Date: 12/15/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1257711  
 Bid #: O6UJ9A000HH0  
 Date: 12/15/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 41  
 Manif. Date: 12/15/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1257774  
 Bid #: O6UJ9A000HH0  
 Date: 12/15/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 42  
 Manif. Date: 12/15/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1257787  
 Bid #: O6UJ9A000HH0  
 Date: 12/15/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

## Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 43  
Manif. Date: 12/15/2021  
Hauler: MCNABB PARTNERS  
Driver: JR  
Truck #: M76  
Card #  
Job Ref #

Ticket #: 700-1257789  
Bid #: O6UJ9A000HH0  
Date: 12/15/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 44  
Manif. Date: 12/15/2021  
Hauler: MCNABB PARTNERS  
Driver: JESSE  
Truck #: M82  
Card #  
Job Ref #

Ticket #: 700-1257795  
Bid #: O6UJ9A000HH0  
Date: 12/15/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 45  
 Manif. Date: 12/16/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1257937  
 Bid #: O6UJ9A000HH0  
 Date: 12/16/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 46  
 Manif. Date: 12/16/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1257939  
 Bid #: O6UJ9A000HH0  
 Date: 12/16/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

## Product / Service

## Quantity Units

## Contaminated Soil (RCRA Exempt)

18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0			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 #: 47  
 Manif. Date: 12/16/2021  
 Hauler: MCNABB PARTNERS  
 Driver: HUGO  
 Truck #: M31  
 Card #  
 Job Ref #

Ticket #: 700-1257940  
 Bid #: O6UJ9A000HH0  
 Date: 12/16/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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

*[Signature]*

*[Signature]*

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 48  
Manif. Date: 12/16/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1258035  
Bid #: O6UJ9A000HH0  
Date: 12/16/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

### Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 49  
Manif. Date: 12/16/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1258040  
Bid #: O6UJ9A000HH0  
Date: 12/16/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 50  
 Manif. Date: 12/16/2021  
 Hauler: MCNABB PARTNERS  
 Driver: HUGO  
 Truck #: M31  
 Card #  
 Job Ref #

Ticket #: 700-1258041  
 Bid #: O6UJ9A000HH0  
 Date: 12/16/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

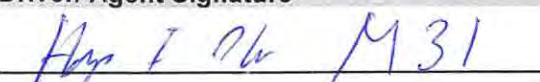

Facility: CRI

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)

<b>Driver/ Agent Signature</b>	<b>R360 Representative Signature</b>
	
<b>Customer Approval</b>	

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 51  
 Manif. Date: 12/17/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JR  
 Truck #: M76  
 Card #  
 Job Ref #

Ticket #: 700-1258293  
 Bid #: O6UJ9A000HH0  
 Date: 12/17/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 52  
 Manif. Date: 12/17/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1258296  
 Bid #: O6UJ9A000HH0  
 Date: 12/17/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 53  
 Manif. Date: 12/20/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: M81  
 Card #  
 Job Ref #

Ticket #: 700-1258799  
 Bid #: O6UJ9A000HH0  
 Date: 12/20/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 54  
Manif. Date: 12/20/2021  
Hauler: MCNABB PARTNERS  
Driver: ACIE  
Truck #: M83  
Card #  
Job Ref #

Ticket #: 700-1258801  
Bid #: O6UJ9A000HH0  
Date: 12/20/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 55  
 Manif. Date: 12/20/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JESSE  
 Truck #: M82  
 Card #  
 Job Ref #

Ticket #: 700-1258806  
 Bid #: O6UJ9A000HH0  
 Date: 12/20/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: ANDREW GARCIA  
AFE #:  
PO #:  
Manifest #: 56  
Manif. Date: 12/20/2021  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: M81  
Card #  
Job Ref #

Ticket #: 700-1258882  
Bid #: O6UJ9A000HH0  
Date: 12/20/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 57  
 Manif. Date: 12/20/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1258890  
 Bid #: O6UJ9A000HH0  
 Date: 12/20/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 58  
 Manif. Date: 12/20/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JESSE  
 Truck #: M82  
 Card #  
 Job Ref #

Ticket #: 700-1258893  
 Bid #: O6UJ9A000HH0  
 Date: 12/20/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

18.00

**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 #: 58  
Manif. Date: 12/20/2021  
Hauler: MCNABB PARTNERS  
Driver: JESSE  
Truck #: M82  
Card #  
Job Ref #

Ticket #: 700-1258893  
Bid #: O6UJ9A000HH0  
Date: 12/20/2021  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 999908  
Well Name: JAMES A  
Well #: 12  
Field:  
Field #:  
Rig: NON-DRILLING  
County

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: \_\_\_\_\_

I6UJ9A01LL9I

12/21/2021 7:45:08AM



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 59  
 Manif. Date: 12/21/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1259141  
 Bid #: O6UJ9A000HH0  
 Date: 12/21/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 60  
 Manif. Date: 12/21/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: M83  
 Card #  
 Job Ref #

Ticket #: 700-1259225  
 Bid #: O6UJ9A000HH0  
 Date: 12/21/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

<b>Driver/ Agent Signature</b>	<b>R360 Representative Signature</b>
--------------------------------	--------------------------------------

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_



Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 61  
 Manif. Date: 12/22/2021  
 Hauler: MCNABB PARTNERS  
 Driver: ACIE  
 Truck #: 83  
 Card #  
 Job Ref #

Ticket #: 700-1259427  
 Bid #: O6UJ9A000HH0  
 Date: 12/22/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

Permian Basin

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

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

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

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_





Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: ANDREW GARCIA  
 AFE #:  
 PO #:  
 Manifest #: 62  
 Manif. Date: 12/22/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JOE  
 Truck #: 81  
 Card #  
 Job Ref #

Ticket #: 700-1259430  
 Bid #: O6UJ9A000HH0  
 Date: 12/22/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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 #: 63  
 Manif. Date: 12/22/2021  
 Hauler: MCNABB PARTNERS  
 Driver: JESSE  
 Truck #: M82  
 Card #  
 Job Ref #

Ticket #: 700-1259437  
 Bid #: O6UJ9A000HH0  
 Date: 12/22/2021  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 999908  
 Well Name: JAMES A  
 Well #: 12  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County

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: \_\_\_\_\_



**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 71787

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 71787
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	3/4/2022