



June 17, 2020

Bradford Billings  
Hydrologist  
District 2 Artesia  
Oil Conservation Division  
Santa Fe, NM 87505

**Subject: Closure Letter Report  
ConocoPhillips  
1RP-5151  
State FTG #3 Stuffing Box Release  
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips State FTG #3 well is located approximately 9.6 miles southeast of Maljamar in Lea County, New Mexico (Figures 1 and 2). The well listed in the C-141 is API No. 30-025-01424 and is located in the Public Land Survey System (PLSS) Unit Letter B, Section 36, Township 17 South, and Range 33 East. According to the NMOCD, the well was plugged on January 3, 2020. The coordinates of the release area (Site) are 32.7957687, -103.614502.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on August 7, 2018 a stuffing box leak at the State FTG #3 well resulted in a release of 20.8 barrels (bbls) of oil and produced water. The release affected a 140' x 80' x 2" area of caliche lease pad (Figure 3). During initial response actions, 15 bbls of fluid were recovered. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on the following day, August 8, 2018. The NMOCD assigned the release the Remediation Permit (RP) number 1RP-5151.

## SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area. Based on data from the New Mexico Office of the State Engineer (NMOSE), there are 59 water wells located in PLSS Township 17 South, and Range 33 East. The average depth to groundwater is 164 feet (ft) below ground surface (bgs). The site characterization data is shown in Attachment B.

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 depth to groundwater at the Site, the RRALs for the Site are as follows:

**TETRA TECH**

8911 N. Capital of Texas Hwy, Building 2, Suite 2310, Austin, TX, 78759

Tel 512-338-1667 Fax 512-338-1331 [www.tetrattech.com](http://www.tetrattech.com)

Bradford Billings

NMOCD

June 17, 2020

Constituent	RRAL
Chloride (0 – 4 ft bgs)	600 mg/kg
Chloride (>4 ft bgs)	20,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

## INITIAL RESPONSE AND REMEDIAL ACTIVITIES

In accordance with 19.15.29.8. B. (4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, ConocoPhillips elected to begin remediation of the impacted area in 2018. The footprint of the release was excavated to approximately 2 ft bgs to remove the impacted soils. Following excavation activities, ConocoPhillips collected 11 samples (Sample #1 through Sample #11) from the floor of the excavated area on October 4, 2018 and submitted them to Cardinal Laboratories in Hobbs, NM to be analyzed for TPH by EPA method 8015M, BTEX by EPA method 8021B, and chlorides by EPA method SM4500Cl-B. Figure 3 depicts the release extent, the excavated area to 2 ft bgs, and the October 2018 sampling locations.

Then, on November 7, 2018, another stuffing box leak released an additional 5 bbls of oil and 5 bbls of produced water into the northern portion of the previously excavated area. A vacuum truck recovered 3 bbls of oil and 2 bbls of produced water. This approximate release extent is shown on Figure 4. This release was reported to NMOCD and was assigned the Remediation Permit (RP) number 1RP-5272.

Because of this additional release, and the fact that the initial confirmation sampling analytical results were above Site RRALs at multiple locations (Table 1), the existing excavation was deepened an additional 1 ft over the entire area, including in the footprint of the second release. Confirmation samples were collected from 8 wall locations and 8 floor locations on April 1, 2019 and sent to Cardinal Laboratories for analysis. Figure 4 depicts the initial and additional release extents, final excavation extents, and final confirmation sampling locations.

Final confirmation wall and floor sample analytical results were below Site RRALs for all constituents at all locations (Table 2). Copies of the laboratory analytical reports for both the October 2018 and April 2019 sampling events are included in Attachment C. The excavated soil was taken to an NMOCD approved facility for disposal and the excavated area was backfilled with clean soil.

## VISUAL SITE INSPECTION

At the request of COP, on June 4, 2020 Tetra Tech personnel conducted a visual Site Inspection assessment at the former release area to evaluate current conditions at the Site. The formerly impacted area was identified from the description in the C-141 (and correspondence with ConocoPhillips. Photographic documentation from the visual assessment (with stamped GPS coordinates) is included within Attachment D. A list of field observations describing the Site follow:

- The State FTG #3 well has been plugged and abandoned, as reported by NMOCD.
- At the time of the inspection, a dry well marker was being installed at the plugged well location.
- No evidence of staining was noted at the point of release or on the surrounding caliche pad.
- The caliche well pad had not yet been reclaimed.

Bradford Billings  
NMOCD  
June 17, 2020

## CONCLUSION

Based on the documented remediation work performed at the Site, confirmation sampling results and recent visual inspection, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at [christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com).

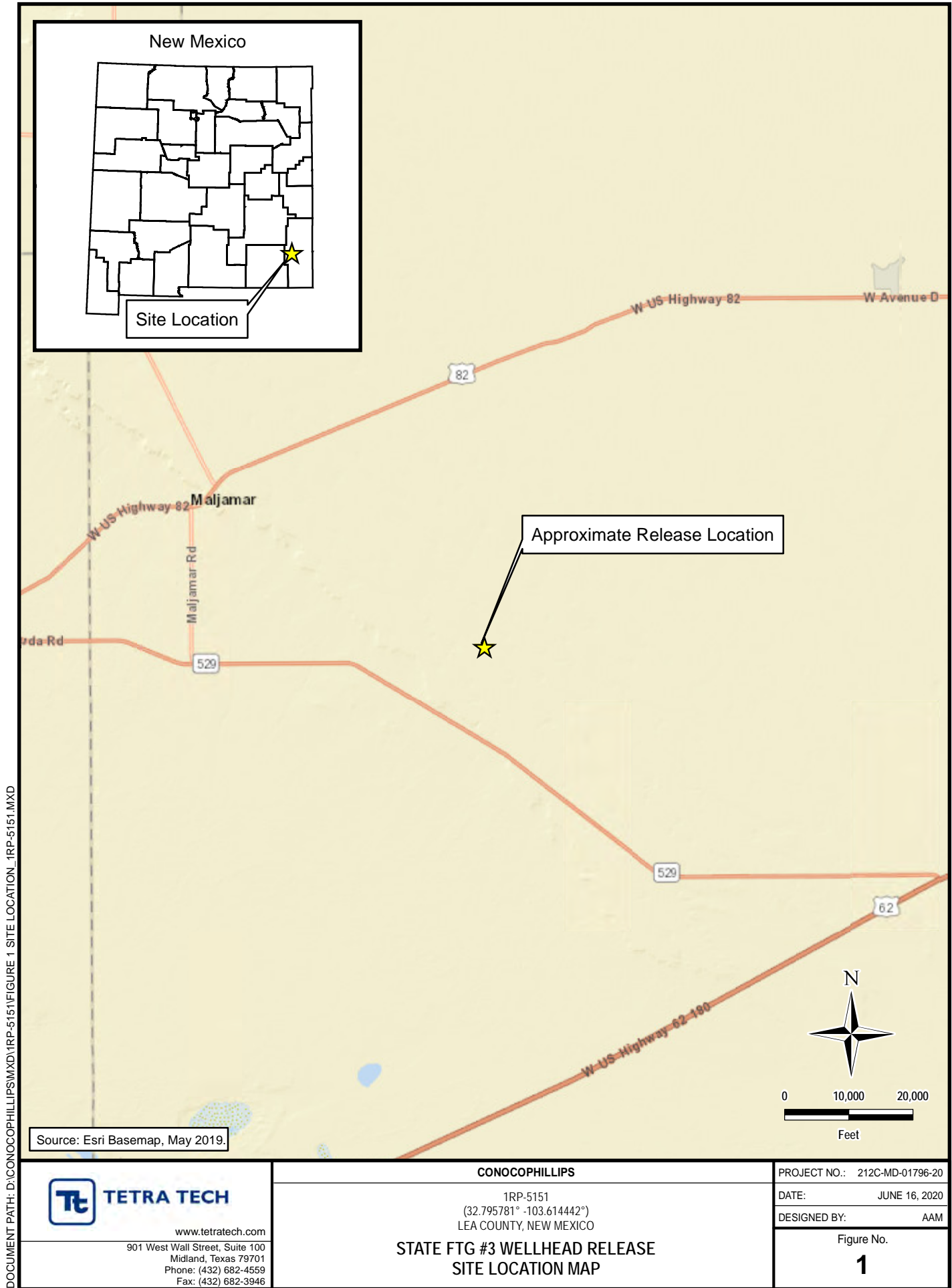
Sincerely,

A handwritten signature in blue ink, appearing to read "Christian Llull", is positioned above the typed name.

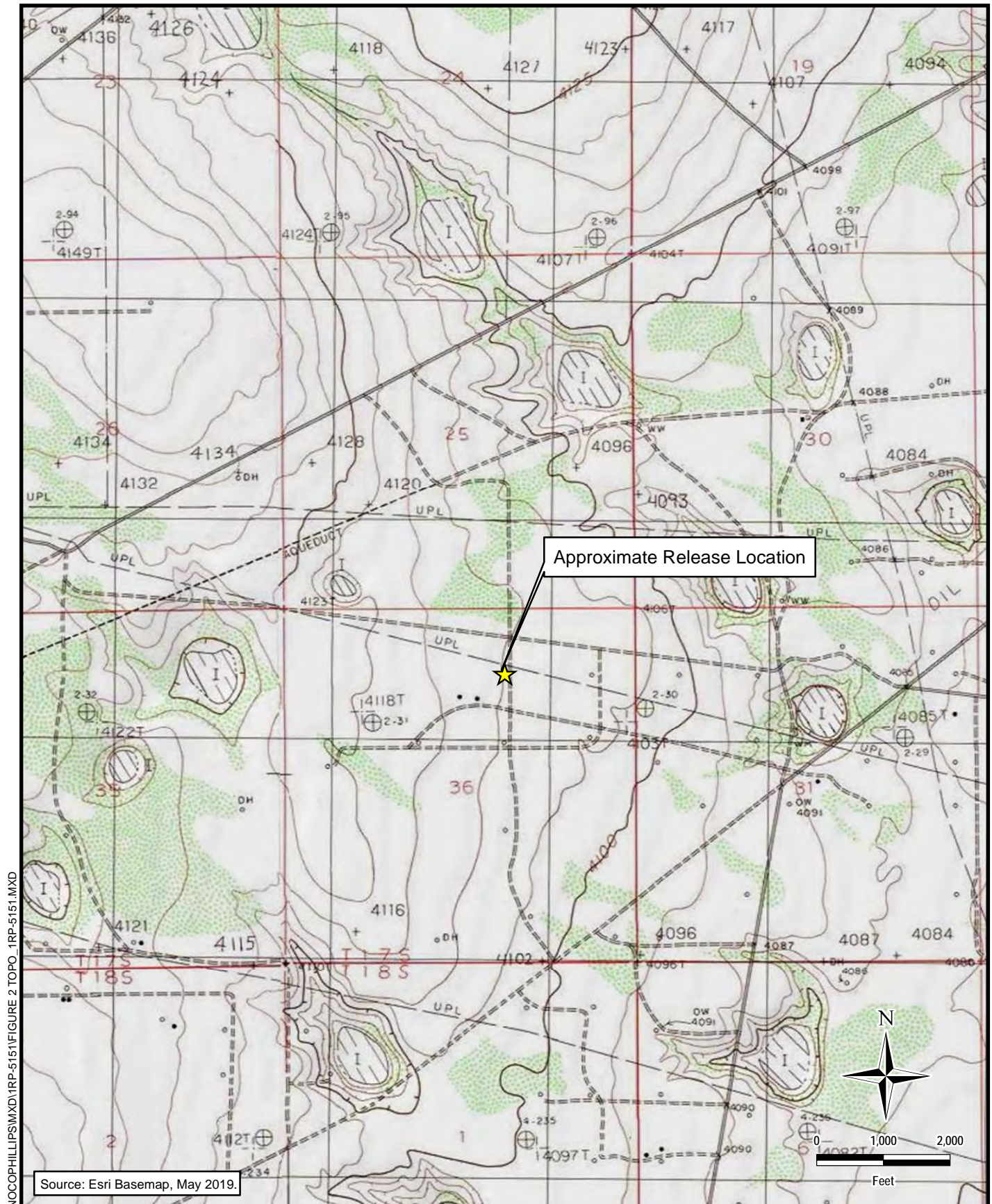
Christian M. Llull  
Project Manager  
Tetra Tech, Inc.

TETRA TECH

## **FIGURES**







DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-5151\FIGURE 2 TOPO. 1RP-5151.MXD


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

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 Phone: (432) 682-4559  
 Fax: (432) 682-3946

**CONOCOPHILLIPS**

 1RP-5151  
 (32.795781° -103.614442°)  
 LEA COUNTY, NEW MEXICO

**STATE FTG #3 WELLHEAD RELEASE  
 TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-01796-20

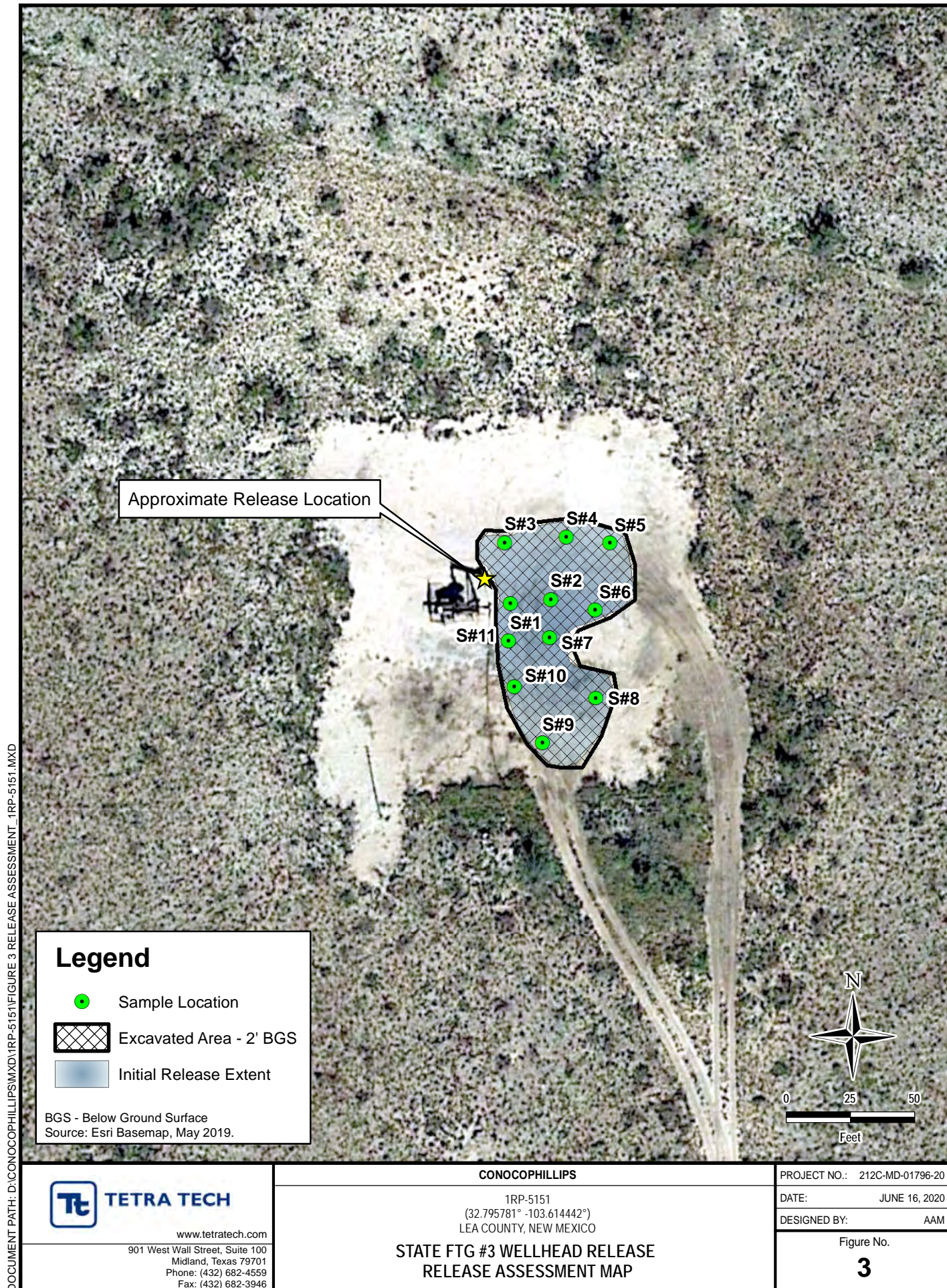
DATE: JUNE 16, 2020

DESIGNED BY: AAM

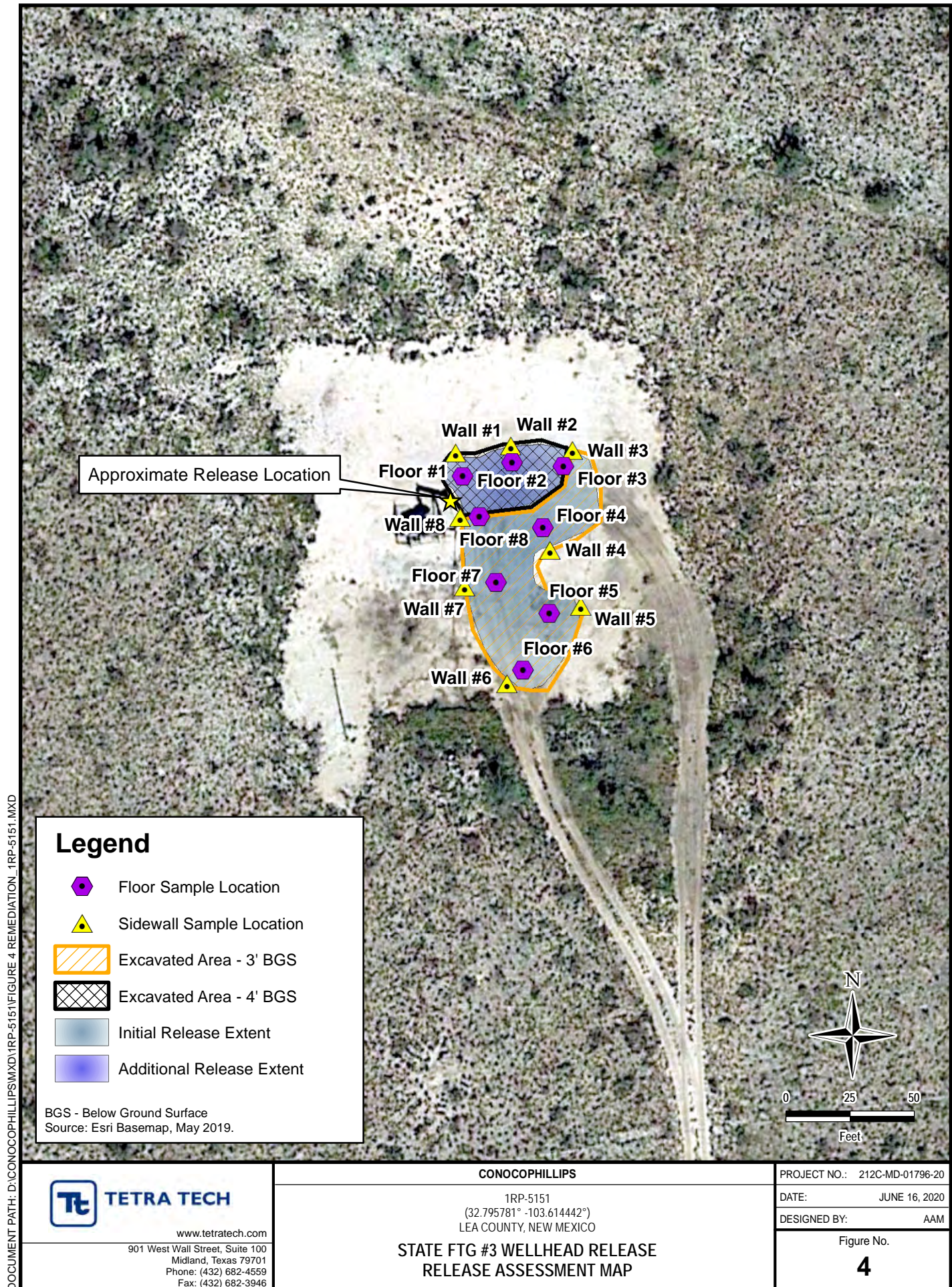
Figure No.

**1**











## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - 1RP-5151  
CONOCOPHILLIPS  
State FTG #3  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		ORO		Total TPH	
		C <sub>6</sub> - C <sub>10</sub>												C <sub>10</sub> - C <sub>28</sub>		C <sub>28</sub> - C <sub>36</sub>		C <sub>6</sub> - C <sub>35</sub>			
		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	Q
Sample #1	10/04/18	6000		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		2230		1130		3360	
Sample #2	10/04/18	432		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		910		324		1234	
Sample #3	10/04/18	704		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		1410		430		1840	
Sample #4	10/04/18	96		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		64.4		13.2		77.6	
Sample #5	10/04/18	656		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		1820		438		2258	
Sample #6	10/04/18	304		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		170		34.8		204.8	
Sample #7	10/04/18	8000		0.279		1.20		2.13		3.62		7.229		56.1		6010		1540		7606	
Sample #8	10/04/18	256		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		180		47.8		228	
Sample #9	10/04/18	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Sample #10	10/04/18	976		< 0.05000		< 0.05000		0.097		0.21		0.307		18.3		3000		759		3777	
Sample #11	10/04/18	1020		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		891		668		1559	

**NOTES:**

in. Inches

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline Range Organics

DRO Diesel Range Organics

ORO Oil Range Organics

1 EPA Method SM4500Cl-B

2 EPA Method 8021B

3 EPA Method 8015M



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
CONFIRMATION SAMPLES - 1RP-5151  
CONOCOPHILLIPS  
State FTG #3  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		ORO		Total TPH	
		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	Q
Wall #1	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #2	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #3	04/01/19	< 16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #4	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #5	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #6	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #7	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Wall #8	04/01/19	< 16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #1	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #2	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #3	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #4	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #5	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #6	04/01/19	32		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #7	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	
Floor #8	04/01/19	16		< 0.05000		< 0.05000		< 0.05000		< 0.15000		< 0.30000		< 10.0		< 10.0		< 10.0		< 30.0	

## NOTES:

in. Inches

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline Range Organics

DRO Diesel Range Organics

ORO Oil Range Organics

1 EPA Method SM4500Cl-B

2 EPA Method 8021B

3 EPA Method 8015M

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Cullen Rosine
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3133
Facility Name: State FTG #3	Facility Type: Producing Well

Surface Owner: State	Mineral Owner: State	API No. 30-025-01424
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#### LOCATION OF RELEASE

Unit Letter B	Section 36	Township 17S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.7957687 Longitude -103.614502

Aug. 145.00'

#### NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 20.80BBL	Volume Recovered: 15 BBL
Source of Release: Stuffing Box	Date and Hour of Occurrence 8-5-2018 0800	Date and Hour of Discovery 8-7-2018 1400 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Shelly Tucker	
By Whom? Cullen Rosine	Date and Hour: 8-8-2018 0920 hours via phone	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**RECEIVED**

By Olivia Yu at 3:37 pm, Aug 09, 2018

If a Watercourse was Impacted, Describe Fully.\*

N/A

Describe Cause of Problem and Remedial Action Taken.


August 7, 2018 at 1300 hours. A stuffing box leak resulted in a 20.4 BBL release with 15 BBL recovered. The spill site will be remediated per BLM guidelines.

Describe Area Affected and Cleanup Action Taken. \*

Area 1 - 140' x 80' x 2"

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

#### OIL CONSERVATION DIVISION

Signature: Cullen Rosine	Approved by Environmental Specialist: 	
Printed Name: Cullen Rosine	Approval Date: 8/9/2018	Expiration Date:
Title: HSE Specialist	Conditions of Approval:	
E-mail Address: Cullen.J.Rosine@conocophillips.com	see attached directive	Attached <input checked="" type="checkbox"/>
Date: 8-8-2018	Phone: 575-391-3133	

\* Attach Additional Sheets If Necessary

1RP-5151

nOY1822157537

pOY1822159736

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: Charles R. Beauvais II Date: \_\_\_\_\_

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

**OCD Only**

Received by: Jocelyn Harimon Date: 04/12/2023

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

Closure Approved by:  Date: 04/12/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist



**ATTACHMENT B**  
**Site Characterization Data**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">L 01391 POD7</a>	L	LE		2	2	2	08	17S	33E	623670	3636047	280	172	108
<a href="#">L 01391 POD8</a>	L	LE		2	2	1	08	17S	33E	622915	3636122	274	145	129
<a href="#">L 01695</a>	R	L	ED	4	4	2	25	17S	33E	630220	3630704*	230	137	93
<a href="#">L 01880</a>	L	LE		3	4	3	13	17S	33E	629181	3633106*	245		
<a href="#">L 01880 POD10</a>	L	LE		1	4	3	13	17S	33E	629797	3633482	280		
<a href="#">L 01880 POD7</a>	L	LE		4	3	3	12	17S	33E	629029	3634644	280		
<a href="#">L 01880 POD8</a>	L	LE		3	3	3	13	17S	33E	628772	3633188	320		
<a href="#">L 01880 POD9</a>	L	LE		4	3	4	13	17S	33E	629828	3633044	260		
<a href="#">L 01880 S</a>	R	L	LE	4	3	3	12	17S	33E	628955	3634708*	259	115	144
<a href="#">L 01880 S2</a>	L	LE		2	1	3	13	17S	33E	628972	3633702*	235	151	84
<a href="#">L 01880 S3</a>	L	LE		1	4	1	12	17S	33E	629148	3635720*	268	155	113
<a href="#">L 01881</a>	L	LE		3	3	3	13	17S	33E	628778	3633100*	242		
<a href="#">L 01881</a>	R	L	LE	3	3	3	13	17S	33E	628778	3633100*	242		
<a href="#">L 01882</a>	L	LE		4	3	4	13	17S	33E	629785	3633112*	245		
<a href="#">L 01882</a>	R	L	LE	4	3	4	13	17S	33E	629785	3633112*	245		
<a href="#">L 01883</a>	L	LE		4	4	4	13	17S	33E	630189	3633119*	260	147	113
<a href="#">L 01884</a>	L	LE		1	4	3	13	17S	33E	629181	3633306*	250		
<a href="#">L 01884</a>	R	L	LE	1	4	3	13	17S	33E	629181	3633306*	250		
<a href="#">L 02687</a>	L	LE		2	2	36	17S	33E	630137	3629598*				
<a href="#">L 02770</a>	L	LE		2	18	17S	33E	621836	3634093*			216	179	37
<a href="#">L 02770 S</a>	L	LE		4	07	17S	33E	621825	3634898*			227	182	45
<a href="#">L 02770 S2</a>	L	LE		2	2	3	18	17S	33E	621338	3633583*	214	184	30
<a href="#">L 02770 S3</a>	L	LE		2	2	3	18	17S	33E	621338	3633583*	220	202	18
<a href="#">L 02875</a>	L	LE		2	2	20	17S	33E	623662	3632717*		250	190	60
<a href="#">L 03012</a>	L	LE		4	1	03	17S	33E	626012	3637179*		210	155	55
<a href="#">L 03133</a>	L	LE		3	1	3	23	17S	33E	627188	3631868*	230		

\*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		Q Q Q							X	Y	Depth Well	Depth Water	Water Column	
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng						
<a href="#">L 03528</a>	L	LE	3	4	4	04	17S	33E	625120	3636261*		265	158	107	
<a href="#">L 03528 S2</a>	L	LE	1	3	3	09	17S	33E	623935	3634833*		262	180	82	
<a href="#">L 03528 S3</a>	L	LE	4	4	1	03	17S	33E	626111	3637078*		271	155	116	
<a href="#">L 03598</a>	L	LE	1	1	1	06	17S	33E	620604	3637673		287	210	77	
<a href="#">L 03598 S</a>	L	LE	2	2	2	05	17S	33E	623690	3637642*		272	160	112	
<a href="#">L 03622</a>	L	LE					17	17S	33E	623053	3633703*		226	180	46
<a href="#">L 03713</a>	L	LE	3	4	1	28	17S	33E	624391	3630617*		210			
<a href="#">L 03726</a>	L	LE	1	2	2	18	17S	33E	621930	3634400*		208	188	20	
<a href="#">L 03749</a>	L	LE		3	3	09	17S	33E	624036	3634734*		230	160	70	
<a href="#">L 03750</a>	L	LE		4	1	01	17S	33E	629228	3637230*		180	150	30	
<a href="#">L 03782</a>	L	LE	4	4	4	02	17S	33E	628532	3636311*		183	151	32	
<a href="#">L 04038</a>	L	LE		1	4	08	17S	33E	623226	3635124*		245	173	72	
<a href="#">L 04122</a>	L	LE		2	3	07	17S	33E	621216	3635093*		249	214	35	
<a href="#">L 04333</a>	L	LE		1	1	13	17S	33E	628862	3634407*		217	165	52	
<a href="#">L 04363</a>	L	LE	1	2	3	35	17S	33E	627634	3628855*		226	160	66	
<a href="#">L 04524</a>	L	LE				06	17S	33E	621387	3636896*		100	90	10	
<a href="#">L 04935</a>	L	LE		2	1	02	17S	33E	627614	3637606*		204	162	42	
<a href="#">L 05055</a>	L	LE	3	3	4	35	17S	33E	628042	3628259*		233	150	83	
<a href="#">L 05096</a>	L	LE	3	3	4	35	17S	33E	628042	3628259*		233	150	83	
<a href="#">L 09831</a>	L	LE		4	2	01	17S	33E	630034	3637246*		200			
<a href="#">L 09891</a>	L	LE		4	4	16	17S	33E	625264	3633144*		190			
<a href="#">L 10212</a>	L	LE		4	4	02	17S	33E	628433	3636412*		273	168	105	
<a href="#">L 12974 POD1</a>	L	LE	3	4	3	18	17S	33E	621233	3632940		140	130	10	
<a href="#">L 13049 POD1</a>	L	LE	2	2	2	29	17S	33E	623782	3631207*		244	204	40	
<a href="#">L 13909 POD1</a>	L	LE	4	1	4	31	17S	33E	621735	3628514		240	240	0	
<a href="#">L 14136 POD1</a>	L	LE	3	3	2	12	17S	33E	629604	3635569		245	141	104	
<a href="#">L 14159 POD1</a>	L	LE	3	1	3	28	17S	33E	624030	3630169		298	165	133	
<a href="#">L 14592 POD1</a>	L	LE	3	4	1	12	17S	33E	629053	3635531		300	180	120	
<a href="#">L 14593 POD1</a>	L	LE	4	1	4	13	17S	33E	629797	3633487		300	120	180	

\*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	Depth Well	Depth Water	Water Column
<a href="#">L 14594 POD1</a>	L	LE		4	4	3	13	17S	33E	629387	3633116	300	180	120
<a href="#">RA 11936 POD1</a>	RA	LE		1	4	1	19	17S	33E	621246	3632321	92		
<a href="#">RA 11937 POD1</a>	RA	LE		1	4	1	19	17S	33E	621244	3632281	95		
<a href="#">RA 11957 POD1</a>	RA	LE		3	4	1	19	17S	33E	621177	3632200	55		

Average Depth to Water: **164 feet**

Minimum Depth: **90 feet**

Maximum Depth: **240 feet**

**Record Count:** 59

**PLSS Search:**

**Township:** 17S

**Range:** 33E

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.

6/15/20 1:17 PM

Page 3 of 3





WATER COLUMN/ AVERAGE  
DEPTH TO WATER

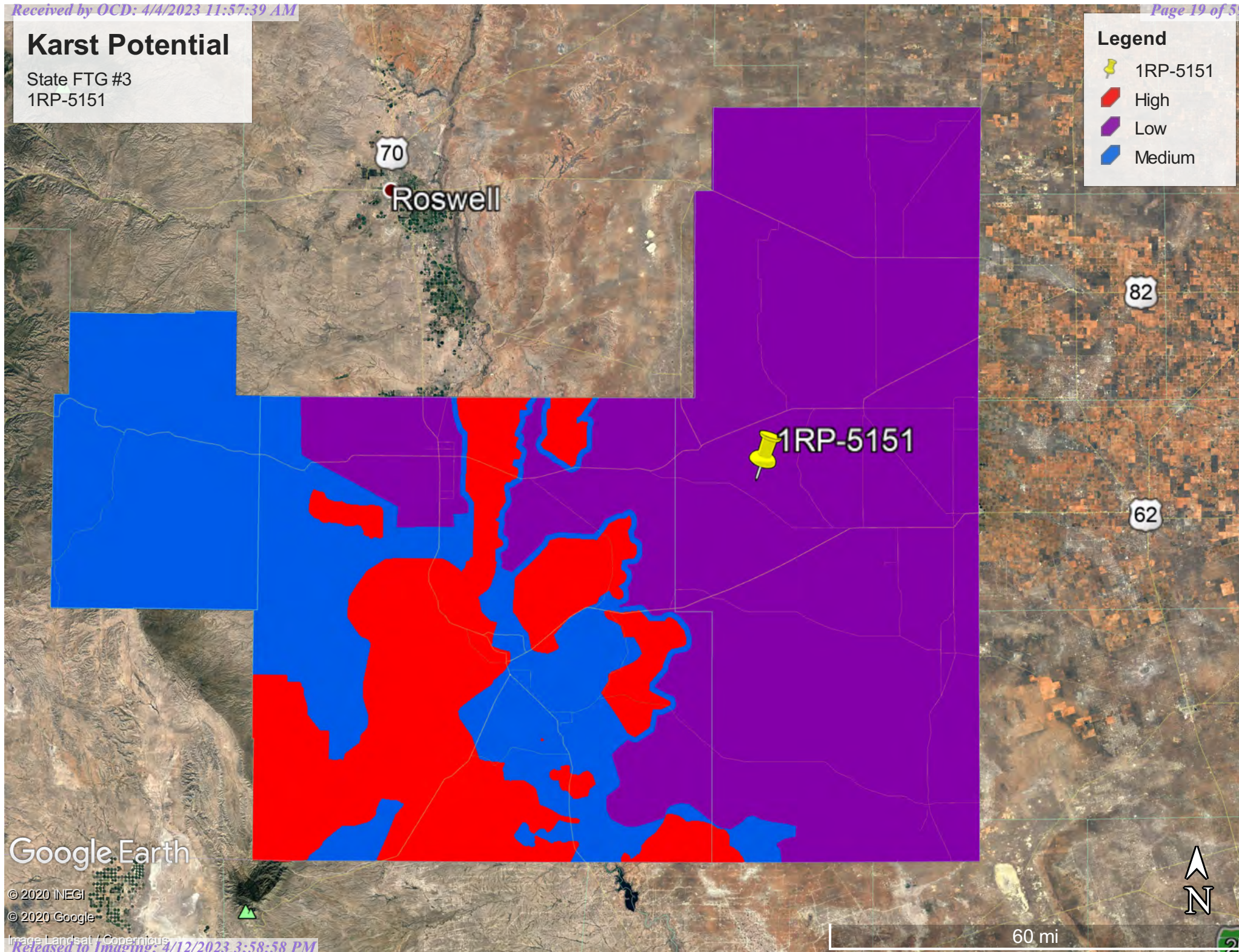


# Karst Potential

State FTG #3  
1RP-5151

## Legend

-  1RP-5151
-  High
-  Low
-  Medium



Google Earth

© 2020 INEGI

© 2020 Google

Image Landsat / Copernicus

Released to Imaging: 4/12/2023 3:58:58 PM

60 mi



## **ATTACHMENT C**

### **Laboratory Analytical Results**



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

---

October 09, 2018

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: STATE FTG #3

Enclosed are the results of analyses for samples received by the laboratory on 10/05/18 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:**

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

Received:	10/05/2018	Sampling Date:	10/04/2018
Reported:	10/09/2018	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SAMPLE # 1 (H802830-01)**

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	10/05/2018	ND	2.21	111	2.00	3.55	
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87	
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38	
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74	
Total BTEX	<0.300	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	10/08/2018	ND	448	112	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	10/08/2018	ND	189	94.3	200	16.7		
DRO >C10-C28*	2230	10.0	10/08/2018	ND	199	99.4	200	6.62		
EXT DRO >C28-C36	1130	10.0	10/08/2018	ND						

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 163 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 2 (H802830-02)**

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	10/05/2018	ND	2.21	111	2.00	3.55	
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87	
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38	
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74	
Total BTEx	<0.300	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/08/2018	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	910	10.0	10/08/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	324	10.0	10/08/2018	ND					

Surrogate: 1-Chlorooctane 84.8 % 41-142

Surrogate: 1-Chlorooctadecane 135 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 3 (H802830-03)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEx	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	10/08/2018	ND	448	112	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	10/08/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	1410	10.0	10/08/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	430	10.0	10/08/2018	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 159 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 4 (H802830-04)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEx	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/09/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	64.4	10.0	10/05/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	13.2	10.0	10/05/2018	ND					

Surrogate: 1-Chlorooctane 83.6 % 41-142

Surrogate: 1-Chlorooctadecane 85.1 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 5 (H802830-05)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEX	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

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	10/09/2018	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	10/08/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	1820	10.0	10/08/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	438	10.0	10/08/2018	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 154 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 6 (H802830-06)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEX	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/09/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	170	10.0	10/05/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	34.8	10.0	10/05/2018	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 98.3 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 7 (H802830-07)**

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	10/05/2018	ND	2.21	111	2.00	3.55	
Toluene*	0.279	0.050	10/05/2018	ND	2.14	107	2.00	2.87	
Ethylbenzene*	1.20	0.050	10/05/2018	ND	2.15	107	2.00	3.38	
Total Xylenes*	2.13	0.150	10/05/2018	ND	6.16	103	6.00	3.74	
Total BTEX	3.62	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	10/09/2018	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*	56.1	50.0	10/05/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	6010	50.0	10/05/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	1540	50.0	10/05/2018	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 197 % 37.6-147

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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: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 8 (H802830-08)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEx	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

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	10/09/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	180	10.0	10/05/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	47.8	10.0	10/05/2018	ND					

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 97.3 % 37.6-147

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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: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 9 (H802830-09)**

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	10/05/2018	ND	2.21	111	2.00	3.55		
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87		
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38		
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74		
Total BTEx	<0.300	0.300	10/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.8-142

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	10/09/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	<10.0	10.0	10/05/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	<10.0	10.0	10/05/2018	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.2 % 37.6-147

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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:	10/05/2018	Sampling Date:	10/04/2018
Reported:	10/09/2018	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

**Sample ID: SAMPLE # 10 (H802830-10)**

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	10/05/2018	ND	2.21	111	2.00	3.55	
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87	
Ethylbenzene*	0.097	0.050	10/05/2018	ND	2.15	107	2.00	3.38	
Total Xylenes*	0.210	0.150	10/05/2018	ND	6.16	103	6.00	3.74	
Total BTEX	0.307	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/09/2018	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*	18.3	10.0	10/08/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	3000	10.0	10/08/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	759	10.0	10/08/2018	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 220 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/05/2018  
 Reported: 10/09/2018  
 Project Name: STATE FTG #3  
 Project Number: NONE GIVEN  
 Project Location: LEA CO NM

Sampling Date: 10/04/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SAMPLE # 11 (H802830-11)**

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	10/05/2018	ND	2.21	111	2.00	3.55	
Toluene*	<0.050	0.050	10/05/2018	ND	2.14	107	2.00	2.87	
Ethylbenzene*	<0.050	0.050	10/05/2018	ND	2.15	107	2.00	3.38	
Total Xylenes*	<0.150	0.150	10/05/2018	ND	6.16	103	6.00	3.74	
Total BTEX	<0.300	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

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	10/09/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2018	ND	189	94.3	200	16.7	
DRO >C10-C28*	891	10.0	10/08/2018	ND	199	99.4	200	6.62	
EXT DRO >C28-C36	668	10.0	10/08/2018	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

## ARDINAL LABORATORIES

101 East Mariland, Hobbs, NM 88240  
(575) 393-2326 Fax (575) 393-2476

Page \_\_\_\_ of \_\_\_\_

Company Name: <u>Cavage Phillips</u>		P.O. #: _____		BILL TO		ANALYSIS REQUEST					
Project Manager: <u>Justin Wright</u>		Company: <u>COPE</u>									
Address: _____		Attn: _____									
City: <u>Hobbs</u>		State: <u>NM</u> Zip: <u>88240</u>									
Phone #: <u>575-631-9092</u>		Fax #: _____									
Project #: _____		City: _____									
Project Name: <u>State FTS #3</u>		State: _____ Zip: _____									
Project Location: <u>Lea County, NM</u>		Phone #: _____									
Sampler Name: <u>Justin Wright</u>		Fax #: _____									
FOR LAB USE ONLY		PRESERV.		SAMPLING							
Lab I.D. <u>A802830</u>		Sample I.D.									
		(G)RAB OR (C)OMP.									
		# CONTAINERS									
		GROUNDWATER									
		WASTEWATER									
		SOIL									
		OIL									
		SLUDGE									
		OTHER :									
		ACID/BASE:									
		ICE / COOL									
		OTHER :									
		DATE		TIME							
Sample #1 -		10-4-18		7:02		TPH - Extended					
Sample #2		10-4-18		7:08		BTEX					
Sample #3		10-4-18		7:12		Benzene					
Sample #4		10-4-18		7:17		Chlorides					
Sample #5		10-4-18		7:20							
Sample #6		10-4-18		7:23							
Sample #7		10-4-18		7:27							
Sample #8		10-4-18		7:32							
Sample #9		10-4-18		7:34							
Sample #10		10-4-18		7:38							

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: \_\_\_\_\_ Date: 10-5-18 Received By: Jessica Clark

Relinquished By: \_\_\_\_\_ Date: 8:35 Received By: Jessica Clark

Time: \_\_\_\_\_

Delivered By: (Circle One) Temp. Sample Condition CHECKED BY: (Initials)

Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No

Sampler - UPS - Bus - Other: 212 #97 YD

REMARKS: \_\_\_\_\_

Phone Result: ☐ No ☐ Add'l Phone #: \_\_\_\_\_

Fax Result: ☐ No ☐ Add'l Fax #: \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



101 East Marland, Hobbs, NM 88240  
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Page \_\_\_\_ of \_\_\_\_

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

April 05, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: STATE FTG #3

Enclosed are the results of analyses for samples received by the laboratory on 04/02/19 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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:**

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

Received:	04/02/2019	Sampling Date:	04/01/2019
Reported:	04/05/2019	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	STATE FTG 3	Sample Received By:	Tamara Oldaker
Project Location:	BUCKEYE		

**Sample ID: WALL # 1 (H901206-01)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2019	ND	2.16	108	2.00	2.28	
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933	
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648	
Total BTEX	<0.300	0.300	04/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	166	83.2	200	1.04	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	212	106	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 80.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 1 (H901206-02)**

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2019	ND	2.16	108	2.00	2.28		
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933		
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343		
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648		
Total BTEx	<0.300	0.300	04/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	166	83.2	200	1.04	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	212	106	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

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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:	04/02/2019	Sampling Date:	04/01/2019
Reported:	04/05/2019	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	STATE FTG 3	Sample Received By:	Tamara Oldaker
Project Location:	BUCKEYE		

**Sample ID: WALL # 2 (H901206-03)**

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2019	ND	2.16	108	2.00	2.28		
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933		
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343		
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648		
Total BTEx	<0.300	0.300	04/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.2 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 2 (H901206-04)**

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2019	ND	2.16	108	2.00	2.28		
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933		
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343		
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648		
Total BTEx	<0.300	0.300	04/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 3 (H901206-05)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2019	ND	2.16	108	2.00	2.28	
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933	
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648	
Total BTEx	<0.300	0.300	04/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 83.6 % 37.6-147

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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:	04/02/2019	Sampling Date:	04/01/2019
Reported:	04/05/2019	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	STATE FTG 3	Sample Received By:	Tamara Oldaker
Project Location:	BUCKEYE		

**Sample ID: FLOOR # 3 (H901206-06)**

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	04/03/2019	ND	2.16	108	2.00	2.28	
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933	
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648	
Total BTEx	<0.300	0.300	04/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 83.1 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 4 (H901206-07)**

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	04/03/2019	ND	2.16	108	2.00	2.28		
Toluene*	<0.050	0.050	04/03/2019	ND	2.00	99.9	2.00	0.933		
Ethylbenzene*	<0.050	0.050	04/03/2019	ND	2.07	104	2.00	0.343		
Total Xylenes*	<0.150	0.150	04/03/2019	ND	6.37	106	6.00	0.648		
Total BTEx	<0.300	0.300	04/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 4 (H901206-08)**

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	04/04/2019	ND	2.11	105	2.00	5.74		
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07		
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81		
Total BTEX	<0.300	0.300	04/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	170	85.0	200	0.823	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	204	102	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 80.0 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 5 (H901206-09)**

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	04/04/2019	ND	2.11	105	2.00	5.74	
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81	
Total BTEx	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	170	85.0	200	0.823	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	204	102	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 74.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 5 (H901206-10)**

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	04/04/2019	ND	2.11	105	2.00	5.74	
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81	
Total BTEX	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	170	85.0	200	0.823	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	204	102	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 6 (H901206-11)**

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	04/04/2019	ND	2.11	105	2.00	5.74	
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81	
Total BTEx	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 59.9 % 41-142

Surrogate: 1-Chlorooctadecane 59.1 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 6 (H901206-12)**

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	04/04/2019	ND	2.11	105	2.00	5.74	
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81	
Total BTEx	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 77.5 % 41-142

Surrogate: 1-Chlorooctadecane 73.2 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 7 (H901206-13)**

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	04/04/2019	ND	2.11	105	2.00	5.74	
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81	
Total BTEx	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 83.0 % 41-142

Surrogate: 1-Chlorooctadecane 79.1 % 37.6-147

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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: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FLOOR # 7 (H901206-14)**

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	04/04/2019	ND	2.11	105	2.00	5.74		
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07		
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81		
Total BTEx	<0.300	0.300	04/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 79.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/02/2019  
 Reported: 04/05/2019  
 Project Name: STATE FTG #3  
 Project Number: STATE FTG 3  
 Project Location: BUCKEYE

Sampling Date: 04/01/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WALL # 8 (H901206-15)**

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	04/04/2019	ND	2.11	105	2.00	5.74		
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07		
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81		
Total BTEx	<0.300	0.300	04/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.0 % 37.6-147

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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:	04/02/2019	Sampling Date:	04/01/2019
Reported:	04/05/2019	Sampling Type:	Soil
Project Name:	STATE FTG #3	Sampling Condition:	Cool & Intact
Project Number:	STATE FTG 3	Sample Received By:	Tamara Oldaker
Project Location:	BUCKEYE		

**Sample ID: FLOOR # 8 (H901206-16)**

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	04/04/2019	ND	2.11	105	2.00	5.74		
Toluene*	<0.050	0.050	04/04/2019	ND	2.13	106	2.00	2.84		
Ethylbenzene*	<0.050	0.050	04/04/2019	ND	2.14	107	2.00	2.07		
Total Xylenes*	<0.150	0.150	04/04/2019	ND	6.37	106	6.00	2.81		
Total BTEx	<0.300	0.300	04/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 73.3-129

Chloride, SM4500CI-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	04/04/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2019	ND	175	87.5	200	9.77	
DRO >C10-C28*	<10.0	10.0	04/03/2019	ND	157	78.7	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	04/03/2019	ND					

Surrogate: 1-Chlorooctane 84.8 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



02 jo 19 ead

# ARDINAL LABORATORIES

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

Page \_\_\_\_ of \_\_\_\_

## BILL TO

## ANALYSIS REQUEST

Company Name: <u>Conoco</u>	P.O. #:
Project Manager: <u>Justin Wright</u>	Company:
Address: <u>Justin Wright @ Conoco Phillips.com</u>	Attn:
State: <u>NM</u> Zip: <u>88240</u>	Address:
City: <u>Hobbs</u>	City:
Phone #: <u>575-631-9094</u>	State:
Fax #: _____	Zip:
Project #: <u>State FTG #3</u>	Phone #:
Project Name: <u>State FTG #3</u>	Fax #:
Project Location: <u>Budley</u>	PRESERV:
Sampler Name: <u>Justin Wright</u>	SAMPLING
FOR LAB USE ONLY	

Lab I.D.

Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	B-Tex	Benzine
H901204	Wall #1			✓			4/1/19	9:05	✓	✓	✓	✓
	Floor #1			✓			4/1/19	9:12	✓	✓	✓	✓
	Floor #2			✓			4/1/19	9:20	✓	✓	✓	✓
	Wall #2			✓			4/1/19	9:24	✓	✓	✓	✓
	Floor #3			✓			4/1/19	9:29	✓	✓	✓	✓
	Wall #3			✓			4/1/19	9:34	✓	✓	✓	✓
	Floor #4			✓			4/1/19	9:41	✓	✓	✓	✓
	Wall #4			✓			4/1/19	9:44	✓	✓	✓	✓
	Floor #5			✓			4/1/19	9:50	✓	✓	✓	✓
	Wall #5			✓			4/1/19	9:53	✓	✓	✓	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:

Date: 4-2-19Received By: Justin WrightDate: 4-2-19Received By: Justin Wright

Relinquished By:

Time: \_\_\_\_\_

Temp. \_\_\_\_\_

Sample Condition

CHECKED BY: (Initials)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-1.76 #97Cool ☒ Intact ☒Yes ☒ No ☒

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



02 jo 02 epage

# ARDINAL LABORATORIES

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

Page \_\_\_\_ of \_\_\_\_

## BILL TO

## ANALYSIS REQUEST

Company Name: <u>Conoco</u>		P.O. #:
Project Manager: <u>Justin Wright</u>		Company:
Address: <u>Justin.Wright@ConocoPhillips.com</u>		Attn:
City: <u>Hobbs</u>		Address:
Phone #: <u>575-631-9098</u>		City:
Fax #: _____		State:
Project #: <u>State FTG 3</u>		Zip:
Project Name: <u>State FTG 3</u>		Phone #:
Project Location: <u>Buckeye</u>		Fax #:
Sampler Name: <u>Justin Wright</u>		
FOR LAB USE ONLY		

Lab I.D.

Sample I.D.

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	Chloride	TPH	B-Tex	Benzine
H901246													4/1/19	10:00	✓	✓	✓	✓
11	Wall #6					✓							4/1/19	10:07	✓	✓	✓	✓
12	Floor #7					✓							4/1/19	10:12	✓	✓	✓	✓
13	Wall #7					✓							4/1/19	10:17	✓	✓	✓	✓
14	Floor #7					✓							4/1/19	10:24	✓	✓	✓	✓
15	Wall #8					✓							4/1/19	10:30	✓	✓	✓	✓
16	Floor #8																	

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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Reinquinshed By: Justin Wright  
Date: 4-2-19  
Time: 11:55  
Received By: Justin Wright  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Reinquinshed By:

Date:

Time:

Received By:

Date:

Time:

Delivered By: (Circle One)

Temp.

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

-1.72 #97

Cool Intact

YES

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

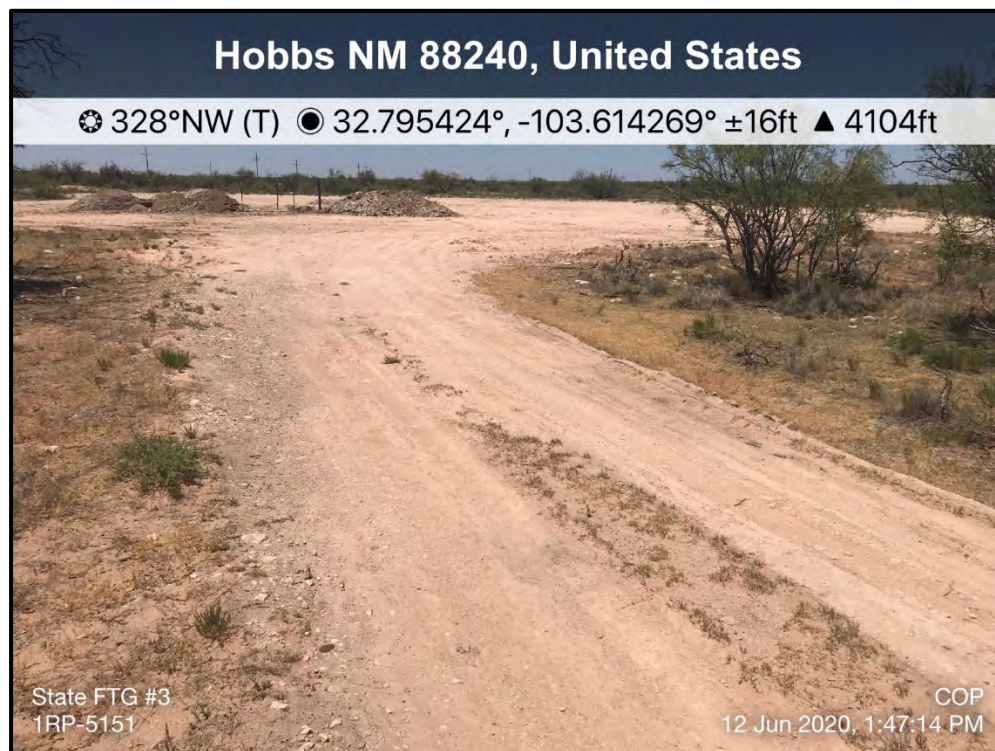
## **ATTACHMENT D**

### **Photographic Documentation**





TETRA TECH, INC. PROJECT NO. 212C-MD-01796-20	DESCRIPTION	View facing south of from decommissioned wellhead over formerly impacted area.	1
	SITE NAME	State FTG #3 Wellhead Release	6/12/2020

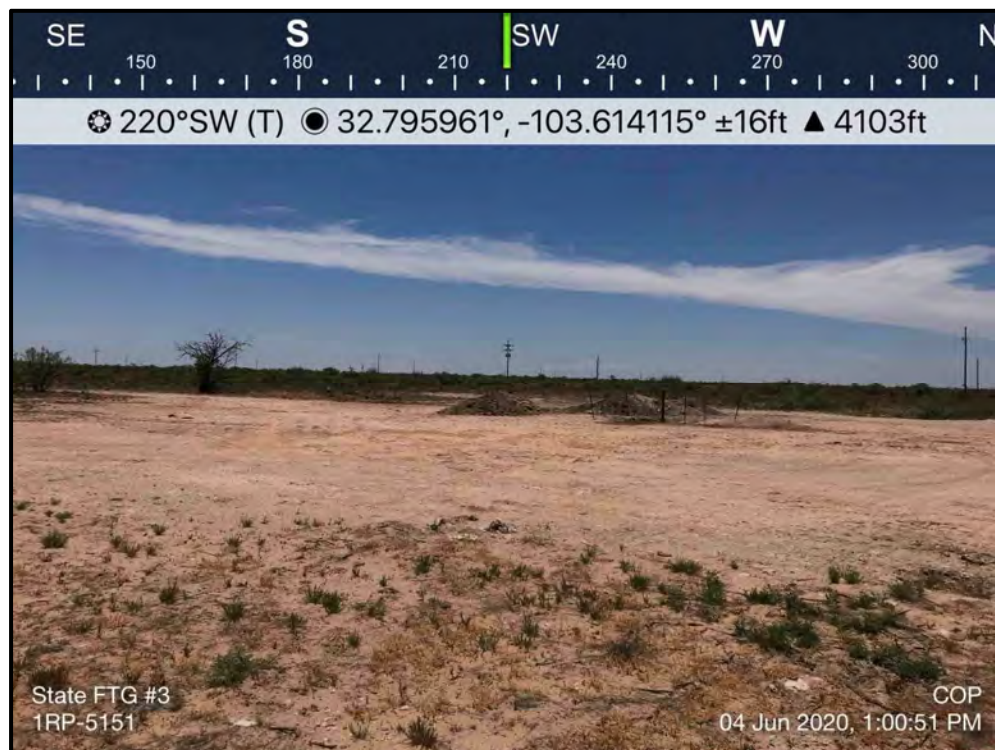


TETRA TECH, INC. PROJECT NO. 212C-MD-01796-20	DESCRIPTION	View facing northwest from entrance road with dry well marker in rear.	2
	SITE NAME	State FTG #3 Wellhead Release	6/12/2020





TETRA TECH, INC. PROJECT NO. 212C-MD-01796-20	DESCRIPTION	View facing east over formerly impacted area. Visible stockpiles from well abandonment.	3
	SITE NAME	State FTG #3 Wellhead Release	6/4/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-01796-20	DESCRIPTION	View southwest over formerly impacted area of well pad. Stockpiles from P&A activities.	4
	SITE NAME	State FTG #3 Wellhead Release	6/4/2020



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
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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 203984

CONDITIONS

Operator: Maverick Permian LLC 1111 Bagby Street Suite 1600 Houston, TX 77002	OGRID: 331199
	Action Number: 203984
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/12/2023