



May 7, 2021

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

**Subject: Remediation Report and Closure Request  
ConocoPhillips  
State FTG #3 Stuffing Box Release  
Unit Letter B, Section 36, Township 17 South, and Range 33 East  
Lea County, New Mexico  
1RP-5272  
Incident ID NCH1834758704**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to evaluate a release and ensuing remediation that occurred at the State FTG #3 well pad (API No. 30-025-01424). 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 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 (Appendix A), on November 7, 2018 a stuffing box leak at the State FTG #3 well resulted in a release of 5 barrels (bbls) of oil and 5 bbls produced water. The release affected an area reported as 36-feet (ft) x 30-ft x 10-inches. The release occurred during an in-progress remediation of another on-pad release (1RP-5151) associated with the State FTG #3. The 1RP-5151 incident (nOY1822157537) is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively. A Closure Report has been submitted to the NMOCD for the 1RP-5151 incident (nOY1822157537) under separate cover.

The 1RP-5151 release was wholly contained on the caliche lease pad (Figure 3), and excavation of the release footprint was in process when the 1RP-5272 incident occurred. Thus, the entirety of the 1RP-5272 release extent was contained within the existing excavation. During initial response actions, 5 bbls of fluid were recovered. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on November 14, 2018. The NMOCD assigned the release the Remediation Permit (RP) number 1RP-5272.

## 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 is one water well within an 800-m radius of the Site. However, no groundwater data was available for the well. There are 5 water wells located within a 1600-m radius of the site. The average depth to groundwater is 147 ft below ground surface (bgs). The minimum depth to groundwater is 135 ft bgs. The site characterization data is shown in Appendix B.

**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)

## 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 depth to groundwater at the Site and the on-pad location, the RRALs for the Site are as follows:

Constituent	RRAL
Chloride	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. As mentioned, this 1RP-5272 release footprint was wholly contained within the footprint of a preexisting excavation associated with 1RP-5151. At the time of the 1RP-5272 release, the existing excavation floor was at approximately 2 ft bgs. Following excavation activities associated with the 1RP-5151 release, ConocoPhillips collected 11 confirmation 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. Subsequently, on November 7, 2018, the stuffing box leak associated with the 1RP-5272 occurred in the northern portion of the previously excavated area. The approximate release extent is shown on Figure 3.

As the initial confirmation sampling analytical results were above Site RRALs at multiple locations, the excavation floor of the 1RP-5151 release was deepened to 3 ft bgs. The footprint of the 1RP-5272 release was further excavated an additional foot to 4 ft bgs, based upon visual observations. Confirmation samples were collected from 8 wall locations and 3 floor locations on April 1, 2019 and sent to Cardinal Laboratories for analysis. Confirmation sampling of the remediated area was conducted for verification of remedial activities where each sidewall and floor sample was representative of approximately 200 square feet. Figure 4 depicts the existing excavation, release extent, final excavation extent, and final confirmation sampling locations.

Final confirmation wall and floor sample analytical results were below Site RRALs for all constituents at all locations (Table 1). Copies of the laboratory analytical reports for both the October 2018 and April 2019 sampling events are included in Appendix C. The approximate volume of material remediated is 80 cubic yards. 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 ConocoPhillips, 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 Appendix 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.

Remediation Report and Closure Request  
May 7, 2021

ConocoPhillips

## CONCLUSION

Based on the documented remediation work performed at the Site, confirmation sampling results and recent visual inspection, COP requests closure for this release. ConocoPhillips has completed remediation at the release site. This final closure report details the remediation activities and the results of the confirmation sampling. If you have any questions concerning the, the remediation work, or confirmation sampling for the Site, please call me at (512) 338-2861. The final C-141 form is enclosed in Appendix A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me 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 printed name.

Christian M. Llull  
Project Manager  
Tetra Tech, Inc.

Remediation Report and Closure Request  
May 7, 2021

ConocoPhillips

## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Site Location Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Remediation Extent and Confirmation Sample Locations

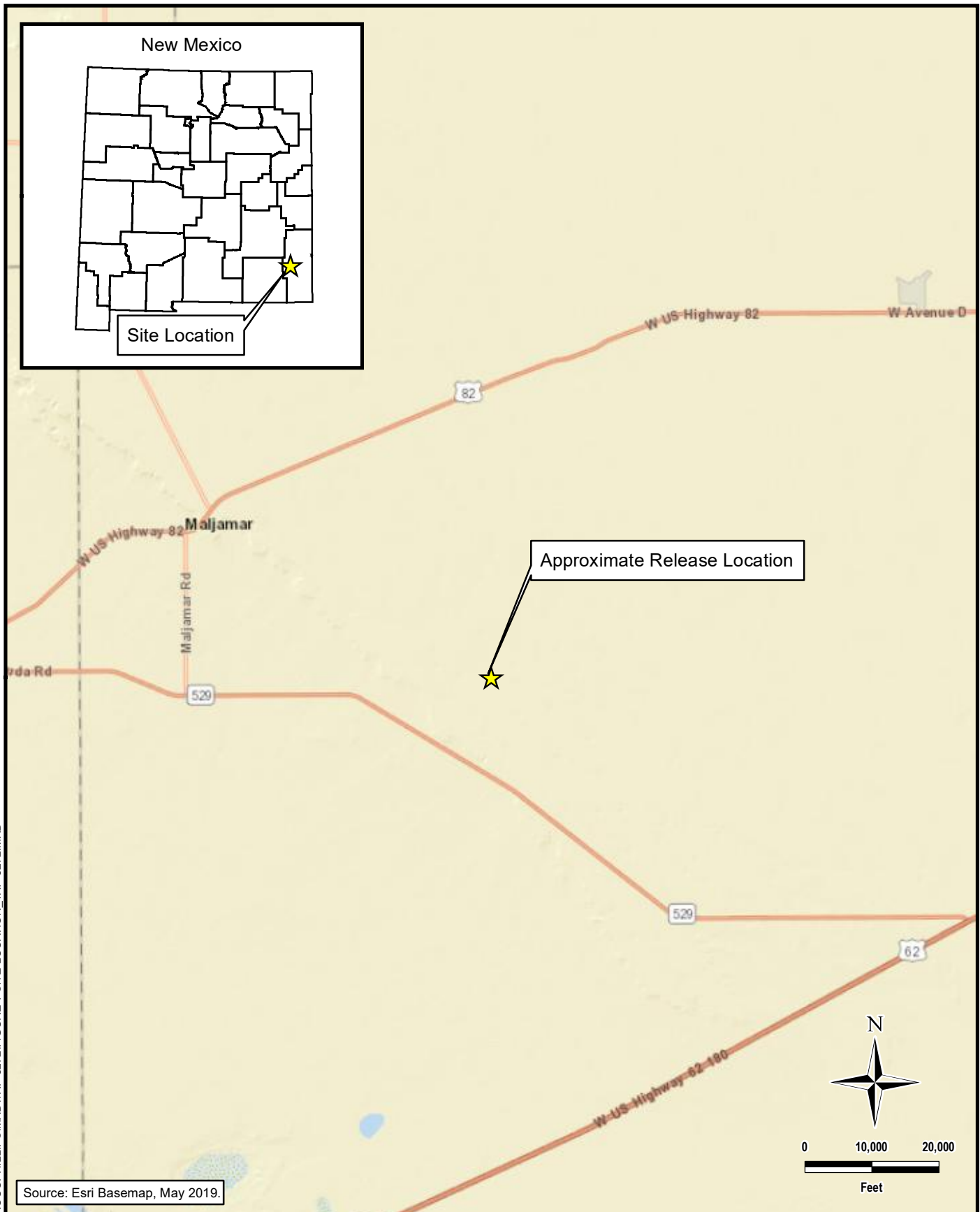
### Tables:

- Table 1 – Summary of Analytical Results – Confirmation Sampling

### Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Laboratory Analytical Data
- Appendix D – Photographic Documentation

## **FIGURES**



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-5272\FIGURE 1 SITE LOCATION\_1RP-5272.MXD



**TETRA TECH**

www.tetrattech.com

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

1RP-5272  
(32.795781° -103.614442°)  
LEA COUNTY, NEW MEXICO

**STATE FTG #3 STUFFING BOX RELEASE  
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02377

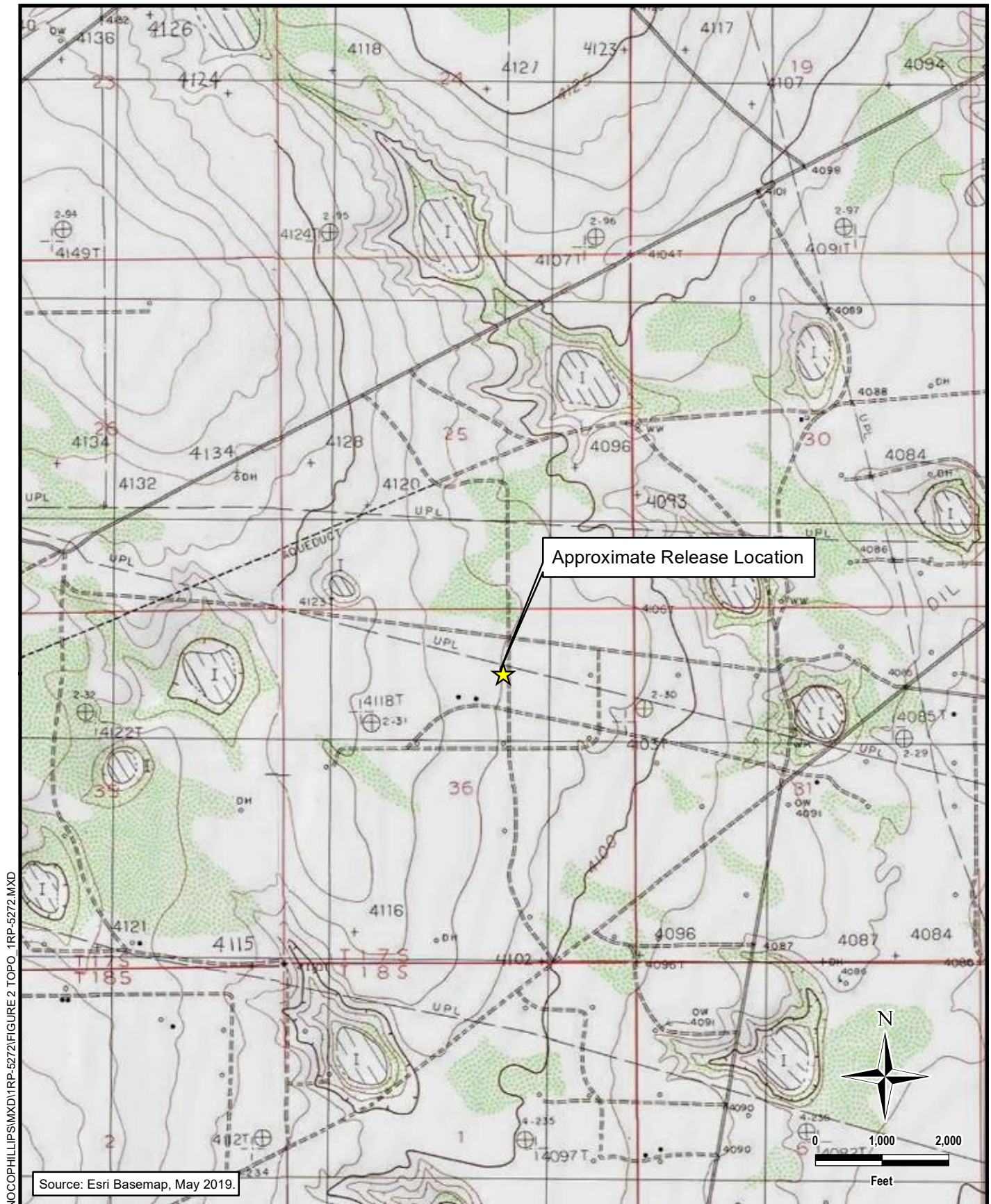
DATE: MARCH 30, 2021

DESIGNED BY: AAM

Figure No.

**1**





DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-5272\FIGURE 2 TOPO 1RP-5272.MXD


**TETRA TECH**
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CONOCOPHILLIPS

 1RP-5272  
 (32.795781° -103.614442°)  
 LEA COUNTY, NEW MEXICO

### STATE FTG #3 STUFFING BOX RELEASE TOPOGRAPHIC MAP

PROJECT NO.: 212C-MD-02377

DATE: MARCH 30, 2021

DESIGNED BY: AAM

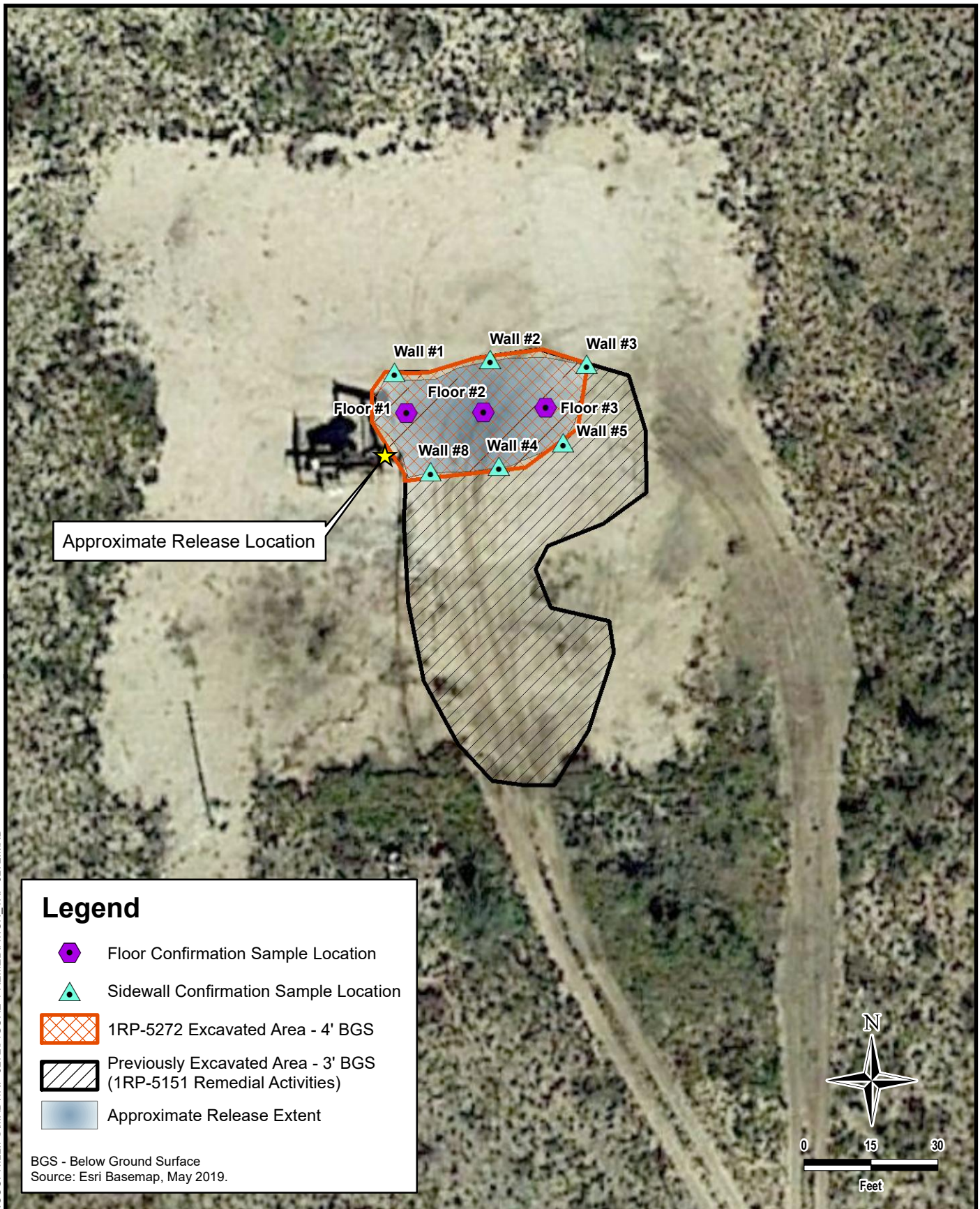
Figure No.

**1**









DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\1RP-5272\FIGURE 4 REMEDIATION - 1RP-5272.MXD

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

CONOCOPHILLIPS

1RP-5272  
(32.795781° -103.614442°)  
LEA COUNTY, NEW MEXICO

**STATE FTG #3 STUFFING BOX RELEASE  
REMEDIAL EXTENT AND CONFIRMATION SAMPLE LOCATIONS**

PROJECT NO.: 212C-MD-02377

DATE: MARCH 30, 2021

DESIGNED BY: AAM

Figure No.

**4**

## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
CONFIRMATION SAMPLES  
1RP-5151 1RP-5272  
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	C
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 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	NCH1834758704
District RP	1RP-5272
Facility ID	
Application ID	pCH1834759139

## Release Notification

### Responsible Party

Responsible Party ConocoPhillips	OGRID 217817
Contact Name Justin Wright	Contact Telephone +1-575-631-9092
Contact email Justin.Wright@conocophillips.com	Incident # NCH1834758704 STATE F TG #003 @ 30-025-01424
Contact mailing address 29 Vacuum Complex Lane, Lovington	

### Location of Release Source

Latitude 32.79757687 Longitude -103.614502  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name State F TG #003	Site Type Oil Well
Date Release Discovered 11/7/2018	API# (if applicable) 30-025-01424

Unit Letter	Section	Township	Range	County
B	36	17S	33E	Lea

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

### State Minerals

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 3
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release – Stuffing box leak

Dimensions – 36 x 30 x 10” – soil porosity .25 – soil absorption .25 – Spill contained on well pad  
Well production per day is 5 BO and 3 BPW

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

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Cullen Rosine</u>	Title: <u>HSE Specialist</u>
Signature: <u><i>Cullen Rosine</i></u>	Date: <u>11/14/2018</u>
email: <u>Cullen.j.rosine@conocophillips.com</u>	Telephone: <u>973-727-4779</u>
<div style="border: 1px solid black; padding: 5px;"> <b><u>OCD Only</u></b>           Received by: _____ Date: _____       </div>	



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: Kelly Dwyer 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: Kelly W. [Signature] Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

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

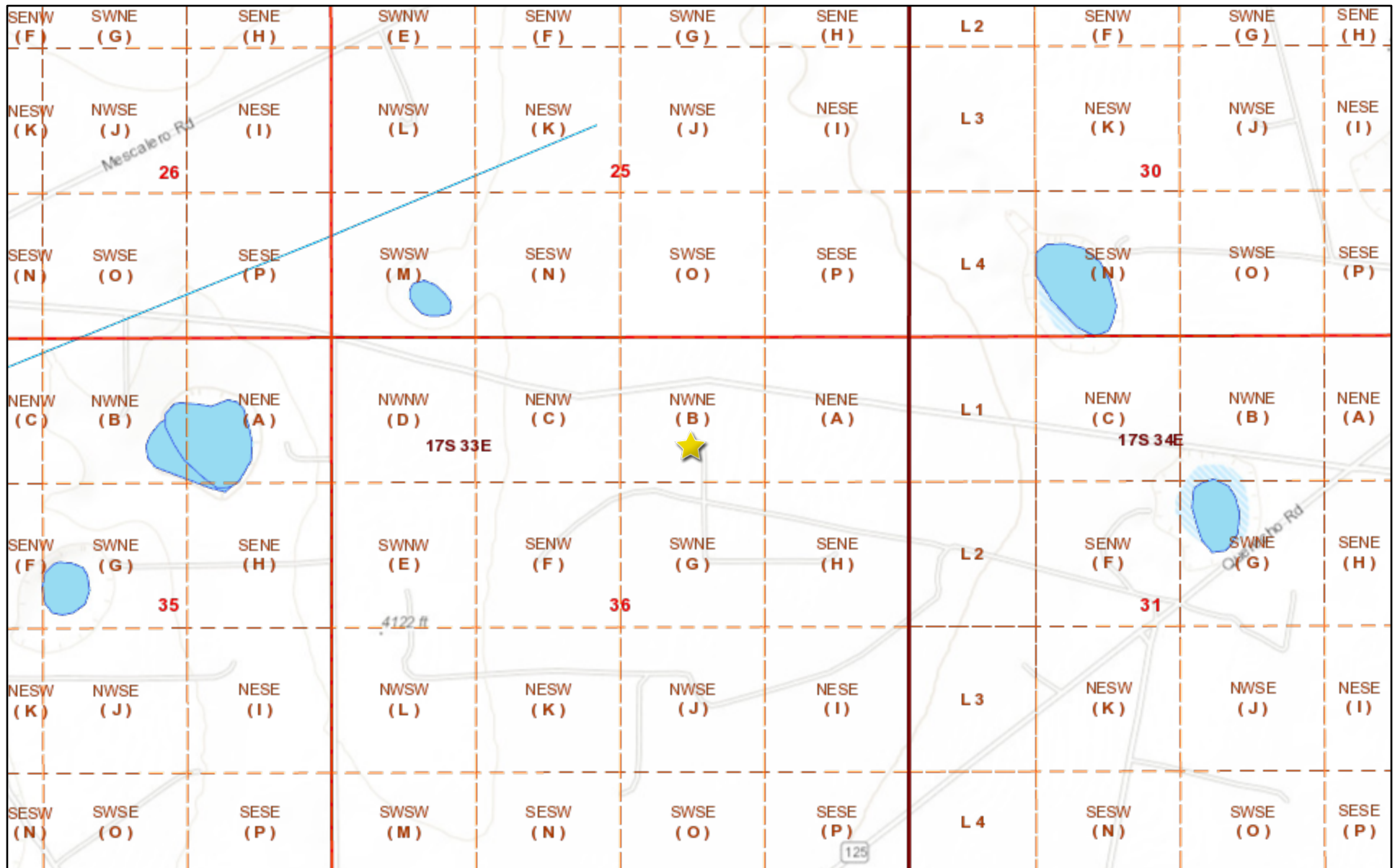
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

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

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

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

## 1RP-5272 Water Bodies



4/30/2021, 3:10:51 PM



Override 1



PLSS First Division



PLSS Townships



PLJV Probable Playas



OCD District Offices



PLSS Second Division

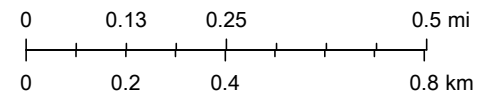


OSE Water-bodies



OSE Streams

1:18,056



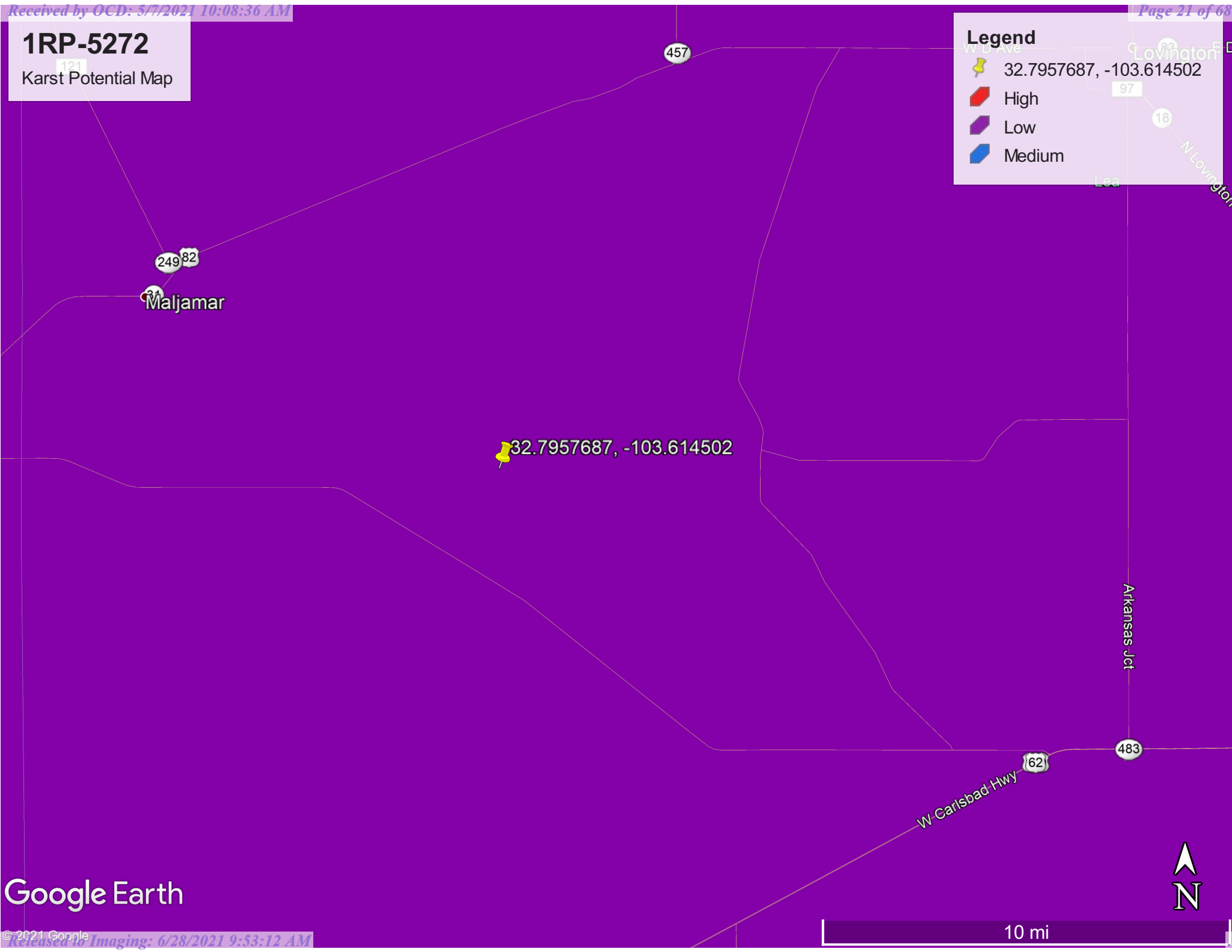
Bureau of Land Management, Texas Parks &amp; Wildlife, Esri, HERE, Garmin,

New Mexico Oil Conservation Division

**1RP-5272**  
Karst Potential Map

**Legend**

-  32.7957687, -103.614502
-  High
-  Low
-  Medium







# 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="#">L 02687</a>	L	LE		2	2	36	17S	33E		630137	3629598*	418			
<a href="#">L 01695</a>	R	L	ED	4	4	2	25	17S	33E	630220	3630704*	1303	230	137	93
<a href="#">L 01697 POD2</a>	L	LE		4	4	3	30	17S	34E	630986	3629911*	1322	240	140	100
<a href="#">L 01695 POD2</a>	L	LE		3	3	1	30	17S	34E	630346	3630669	1325	240	156	84
<a href="#">L 04734</a>	L	LE		3	3	31	17S	34E		630555	3628397*	1373	186	135	51
<a href="#">L 01696 S3</a>	L	LE		2	4	3	30	17S	34E	630986	3630111*	1397	232	168	64

Average Depth to Water: **147 feet**

Minimum Depth: **135 feet**

Maximum Depth: **168 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 629730.948

Northing (Y): 3629495.313

Radius: 1600

\*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.

4/27/21 8:58 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

## **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)**

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	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 BTX	<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

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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 # 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, SM4500CI-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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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

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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)**

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	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 BTX	<0.300	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	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

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 # 7 (H802830-07)**

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	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 BTX	3.62	0.300	10/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	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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\*=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 # 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, 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	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  
 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 # 10 (H802830-10)**

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	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 BTX	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



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 # 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, SM4500CI-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".

---

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>Covego Phillips</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Justin Wright</u>		Company: <u>COPE</u>					
Address:		Attn:					
City: <u>Hobbs</u>		Address:					
Phone #: <u>575-631-9098</u>		City:					
Fax #: <u>575-631-9098</u>		State:					
Project #: <u>State FTS #3</u>		Zip:					
Project Name: <u>Lee County, NM</u>		Phone #:					
Project Location: <u>Lee County, NM</u>		Fax #:					
Sampler Name: <u>Justin Wright</u>							
FOR LAB USE ONLY							
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: 10-5-18 Received By: Jessica Clark

Relinquished By: 8:35 Date: 10-5-18 Received By: Jessica Clark

Time: 8:35

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

Sampler - UPS - Bus - Other: 212 #97 Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No

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



51 of 51 page



## CARDINAL LABORATORIES

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

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

Company Name: <u>Conoco Phillips</u> Project Manager: <u>Justin Wright</u> Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: <u>575-631-9092</u> Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>State FTG #3</u> Project Location: <u>Lea County, NM</u> Sample Name: <u>Justin Wright</u>				<b>BILL TO</b> P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____			
FOR LAB USE ONLY				<b>PRESERVATION</b> ACID/BASE: _____ ICE / COOL _____ OTHER: _____			
Lab I.D. <u>Sample I.D.</u> <u>H802830</u> <u>11</u> Sample # <u>11</u>				(G)RAB OR (C)OMP. _____ # CONTAINERS _____ MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____			
Date: <u>10-5-78</u> Received By: <u>Janet Clark</u> Time: <u>8:35</u> Date: _____ Received By: _____ Time: _____				DATE TIME <u>10/5/78</u> <u>7:42</u>			
Relinquished By: _____ Delivered By: (Circle One) Temp. Sample Condition CHECKED BY: (Initials) Cooler Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No				REMARKS: _____ Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: _____			

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Terms and Conditions: Invoiced 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.

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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)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2019	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 BTX	<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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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 # 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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\*=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 # 2 (H901206-03)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2019	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 BTX	<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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\*=Accredited Analyte

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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, 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	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, 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	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)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2019	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 BTX	<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



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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 # 5 (H901206-09)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2019	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 BTX	<0.300	0.300	04/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	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)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2019	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 BTX	<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

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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 # 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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\*=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 # 6 (H901206-12)**

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	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 BTX	<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)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2019	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 BTX	<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



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 # 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



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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 # 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 "Celey 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>Budleye</u>	PRESERV:
Sampler Name: <u>Justin Wright</u>	SAMPLING
FOR LAB USE ONLY	

Lab I.D.

Sample I.D.

	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	B-Tex	Benzine
Wall #1	✓		GROUNDWATER			4/1/19	9:05	✓	✓	✓	✓
Floor #1	✓		WASTEWATER			4/1/19	9:12	✓	✓	✓	✓
Wall #2	✓		SOIL			4/1/19	9:20	✓	✓	✓	✓
Floor #2	✓		OIL			4/1/19	9:24	✓	✓	✓	✓
Wall #3	✓		SLUDGE			4/1/19	9:29	✓	✓	✓	✓
Floor #3	✓		OTHER:			4/1/19	9:34	✓	✓	✓	✓
Wall #4	✓		ACID/BASE:			4/1/19	9:41	✓	✓	✓	✓
Floor #4	✓		ICE / COOL			4/1/19	9:44	✓	✓	✓	✓
Wall #5	✓		OTHER:			4/1/19	9:50	✓	✓	✓	✓
Floor #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: 4-2-19Time: 11:55Received By: Justin Wright

Date:

Time:

Received By:

Relinquished By:

Date:

Time:

Received By:

Delivered By: (Circle One)

Temp.

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

-1.76 #97

Cool

Intact

Yes

No

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



02 jo 02 epgd

## 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.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	B-Tex	Benzine
HQD1246												
11	Well #6			✓			4/1/19	10:00	✓	✓	✓	✓
12	Flour #7			✓			4/1/19	10:07	✓	✓	✓	✓
13	Well #7			✓			4/1/19	10:12	✓	✓	✓	✓
14	Flour #7			✓			4/1/19	10:17	✓	✓	✓	✓
15	Well #8			✓			4/1/19	10:24	✓	✓	✓	✓
16	Flour #8			✓			4/1/19	10:30	✓	✓	✓	✓

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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.

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

Delivered By: (Circle One)	Temp.	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: <u>-1.7c #97</u>		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

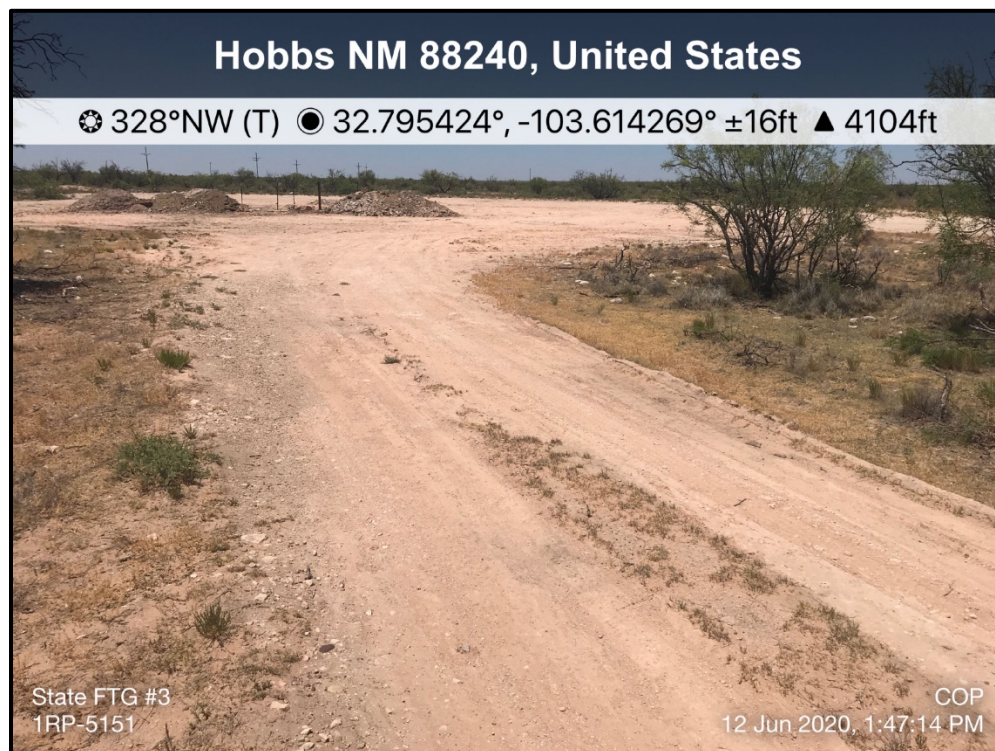
\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

**ATTACHMENT D**  
**Photographic Documentation**





TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View facing south of from decommissioned wellhead over formerly impacted area.	1
	SITE NAME	State FTG #3 Stuffing Box Release	6/12/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View facing northwest from entrance road with dry well marker in rear.	2
	SITE NAME	State FTG #3 Stuffing Box Release	6/12/2020





TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View facing east over formerly impacted area. Visible stockpiles from well abandonment.	3
	SITE NAME	State FTG #3 Stuffing Box Release	6/4/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View southwest over formerly impacted area of well pad. Stockpiles from P&A activities.	4
	SITE NAME	State FTG #3 Stuffing Box Release	6/4/2020

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	NCH1834758704
District RP	1RP-5272
Facility ID	
Application ID	pCH1834759139

## Release Notification

### Responsible Party

Responsible Party ConocoPhillips	OGRID 217817
Contact Name Justin Wright	Contact Telephone +1-575-631-9092
Contact email Justin.Wright@conocophillips.com	Incident # NCH1834758704 STATE F TG #003 @ 30-025-01424
Contact mailing address 29 Vacuum Complex Lane, Lovington	

### Location of Release Source

Latitude 32.79757687 Longitude -103.614502  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name State F TG #003	Site Type Oil Well
Date Release Discovered 11/7/2018	API# (if applicable) 30-025-01424

Unit Letter	Section	Township	Range	County
B	36	17S	33E	Lea

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

### State Minerals

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 3
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release – Stuffing box leak

Dimensions – 36 x 30 x 10” – soil porosity .25 – soil absorption .25 – Spill contained on well pad  
Well production per day is 5 BO and 3 BPW



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

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Cullen Rosine</u>	Title: <u>HSE Specialist</u>
Signature: <u><i>Cullen Rosine</i></u>	Date: <u>11/14/2018</u>
email: <u>Cullen.j.rosine@conocophillips.com</u>	Telephone: <u>973-727-4779</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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: Kelly Dwyer 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: Kelly W. [Signature] Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

Signature: \_\_\_\_\_ 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: Kelly Day 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: Chad Henry Date: \_\_\_\_\_

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

**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 27296

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 27296
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	6/28/2021