TETRA TECH

November 13, 2023

Brittany Hall
Projects Environmental Specialist
New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Revised Characterization and Closure Request
ConocoPhillips
James E Well #15 Stuffing Box Release
Unit Letter L, Section 12, Township 22 South, Range 30 East
Eddy County, New Mexico
Incident ID# NKMW1035736062

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a historical release that occurred from the stuffing box at the James E Well #015 well (API No. 30-015-27078). The release footprint is located in Public Land Survey System (PLSS) Unit Letter L, Section 12, Township 22 South, Range 30 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.404842°, -103.839704° as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release occurred on May 25, 2010, when the multi-skill operator (MSO) found the stuffing box had leaked. Approximately four (4) barrels (bbls) of oil and nine (9) bbls of produced water were released, of which nine (9) bbls of produced water and three (3) bbls of oil were recovered. The area affected was reported as 20 feet by 117 feet of caliche pad, as shown on Figure 3. The NMOCD approved the initial C-141 on March 3, 2011, and subsequently assigned the release the Incident ID NKMW1035736062. The initial C-141 form is included in Appendix A.

This incident is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively.

LAND OWNERSHIP

The Site is located on land owned by the Bureau of Land Management (BLM). This is a previously disturbed area as the release was wholly located within the footprint of a constructed a caliche pad.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

Tetra Tech
901 West Wall St., Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within an 800-meter radius (approximately 1/2 mile) of the site. According to the NMOSE, there is one well within 2.29 miles (3694 meters) with a total well depth of 101 feet. No depth to water data was provided for this well.

As the available water level information is from a well farther than ½ mile away from the site, COP elected to drill a boring to verify depth to groundwater. On February 28, 2023, ConocoPhillips contracted a licensed well drilling subcontractor to drill a groundwater determination borehole (DTW) to 105 feet bgs along the southern edge of the James E #001 well pad for a separate release associated with Incident ID **nRM2007952227.** The borehole was temporarily set and screened using 2-inch PVC well materials. No water was present in the well during or after drilling. The well screen and casing were removed, and the borehole was plugged with 3/8-inch bentonite chips. The James E #001 DTW boring is located approximately 0.60 miles northwest of the James E Well #15 Stuffing Box Release extent. The borehole coordinates are 32.408042°, -103.849478° and the boring location is indicated in Figure 4. The site characterization data, boring log, and temporary well diagram are included in Appendix B.

REGULATORY FRAMEWORK

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

Based on the site characterization (on-pad release footprint) and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

2020 VISUAL SITE INSPECTION AND CLOSURE REQUEST

Tetra Tech, on behalf of ConocoPhillips, conducted a records review and a visual inspection of the release. On June 16, 2020, Tetra Tech personnel were onsite to evaluate the release area, and observed no surficial staining on the pad areas near the wellhead, nor in the adjacent pasture areas near the site. The formerly impacted area was identified from the description of the C-141. A review of available aerial imagery revealed no evidence of impact in the reported release location. Per the C-141, the formerly impacted release footprint was restricted to active oil and gas production areas in the caliche well pad.

Based on these findings, Tetra Tech completed a Closure Letter Report dated October 15, 2020, and submitted the report to NMOCD as part of the ACO submittals via the online file sharing platform CentreStack. A copy of the Closure Letter Report is available in the NMOCD online incident files.

The Closure Letter Report was rejected by NMOCD on April 18, 2023, with the following comments:

- *Closure for this incident is not approved.*
- *The OCD requires that this release be Remediated according to 19.15.29.12 NMAC and 19.15.29 13 NMAC as they apply to this release and resubmit a closure report by 07/17/2023.*

An extension request for this incident was submitted to the NMOCD on September 22, 2023. The extension was approved on September 25, 2023, for a due date of December 1, 2023. Regulatory correspondence is included in Appendix C.

2023 SITE ASSESSMENT AND SAMPLING RESULTS

ConocoPhillips, Tetra Tech, and NMOCD had a Microsoft Teams meeting on September 20, 2023, to discuss the remaining open ACO incidents. During this call NMOCD indicated that open incidents without approved work plans need to be assessed in accordance with 19.15.29.11 NMAC.

Before commencing assessment activities, Tetra Tech conducted a records review. Based on a cursory review of available historical imagery, an approximate release footprint was discerned. The observed release extent consisted of approximately 1,724 sf.

Tetra Tech personnel were onsite on October 23, 2023, to conduct assessment activities. Two (2) hand auger borings (AH-1 and AH-2) were installed to 4 feet bgs to achieve vertical delineation of the release footprint. Four (4) hand auger borings (AH-3 through AH-6) were installed to 1 foot bgs to achieve horizontal delineation. Boring locations from the October 2023 sampling event are presented in Figure 3. Photographic documentation of the release area and assessment activities is presented in Appendix D.

A total of ten (10) soil samples were collected from the six borings and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E. The results were directly compared to the established Site RRALs to demonstrate compliance. Analytical results from the 2023 assessment activities are summarized in Table 1. All analytical results were below the applicable Site RRALs for all constituents.

CONCLUSION

A total of ten samples were collected from the approximate release area. All analytical results associated with 2023 assessment results were below the Site RRALs; therefore, no further remediation of the on-pad release footprint is required.

Based on the above, ConocoPhillips respectfully requests closure for this release. Final reclamation of the well pad shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 739-7874.

Sincerely,
Tetra Tech, Inc.

Lisbeth Chavira
Staff Geoscientist

Christian M. Llull, P.G.
Program Manager

cc:
Mr. Moises Cantu Garcia, PBU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Site Assessment
Figure 4 – Approximate Release Extent and Site Assessment with DTW Location

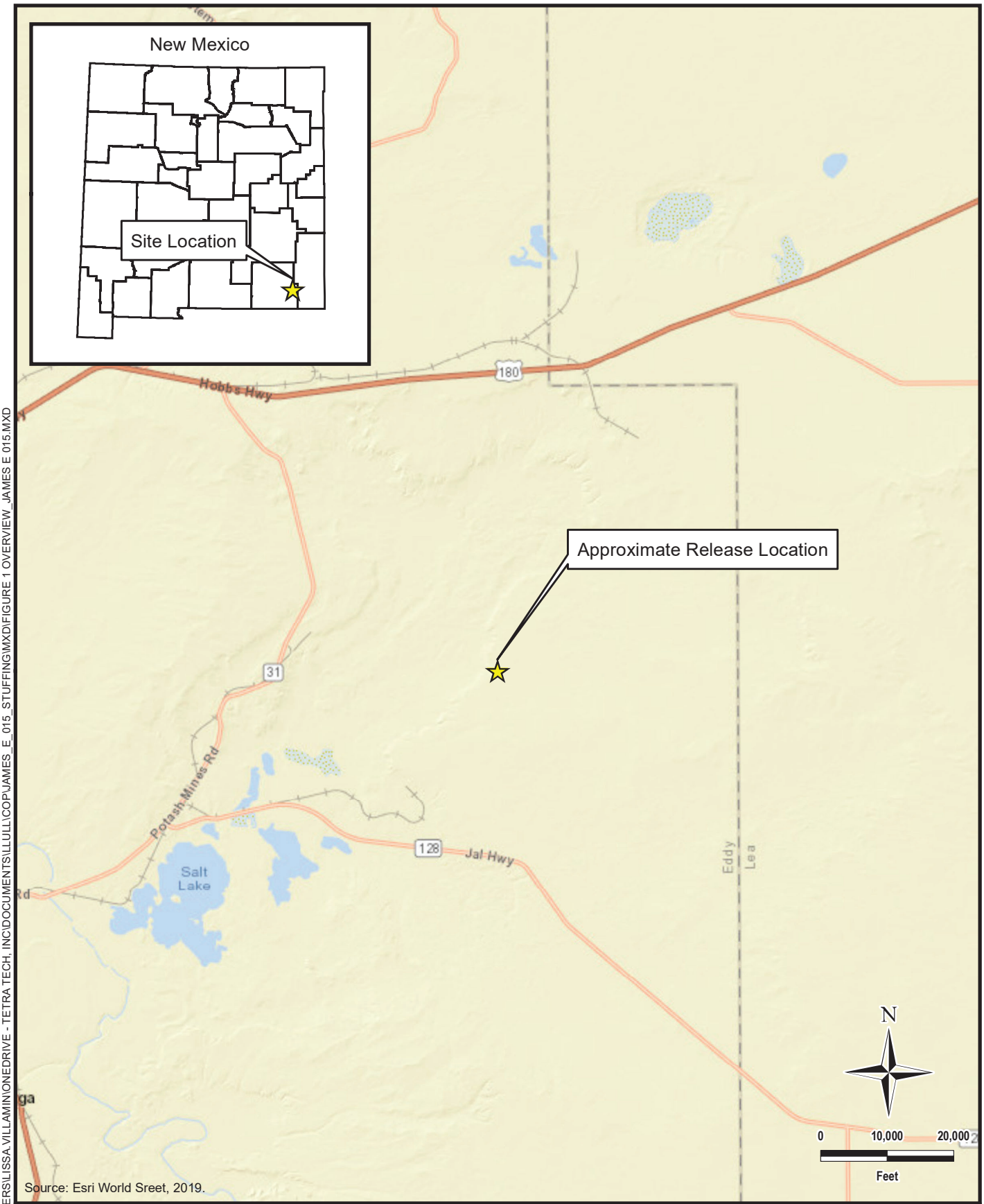
Tables:

Table 1 – Summary of Analytical Results – 2023 Soil Assessment

Appendices:

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

FIGURES



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\JAMES_E_015_STUFFING\MXD\FIGURE 1 OVERVIEW_JAMES E 015.MXD

TETRA TECH
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Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

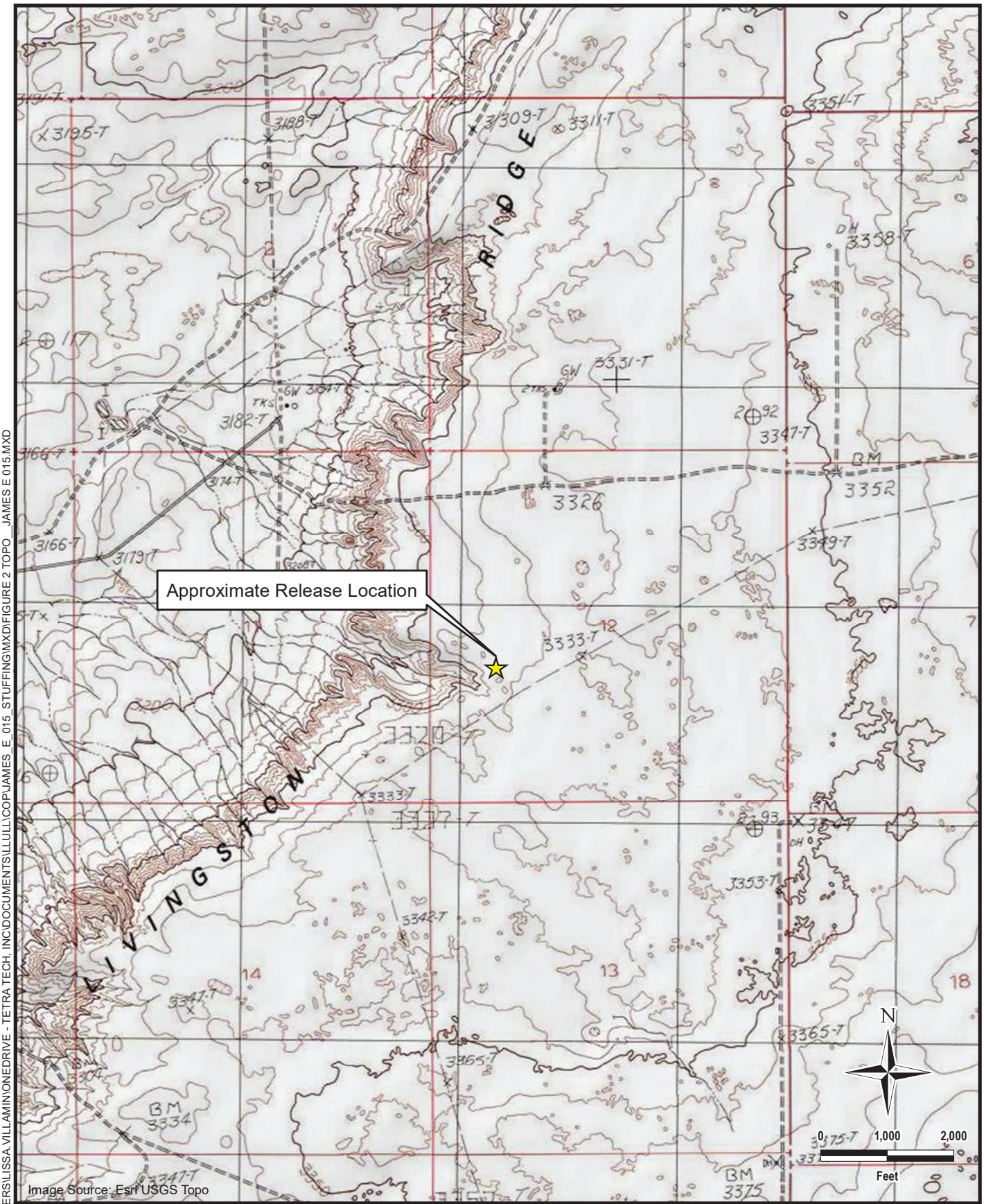
CONOCOPHILLIPS

NKMW1035736062
EDDY COUNTY, NEW MEXICO
(32.404842°, -103.839704°)

JAMES E #015 STUFFING BOX RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-03247
DATE:	NOVEMBER 07, 2023
DESIGNED BY:	LMV

Figure No.
1



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\JAMES_E_015_STUFFING\MXD\FIGURE 2 TOPO _ JAMES E 015.MXD

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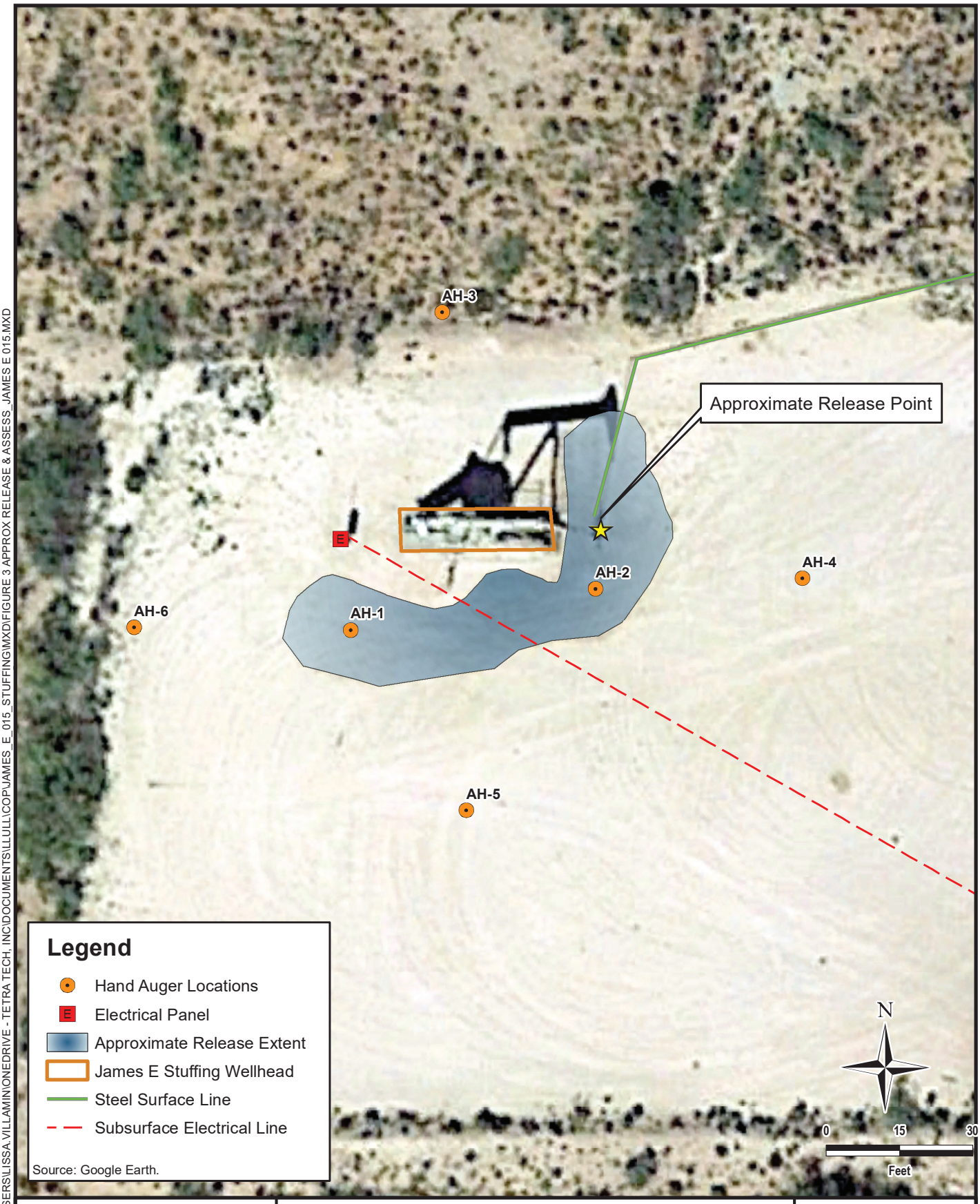
CONOCOPHILLIPS

NKMW1035736062
EDDY COUNTY, NEW MEXICO
(32.404842°, -103.839704°)

JAMES E #015 STUFFING BOX RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-03247
DATE:	NOVEMBER 07, 2023
DESIGNED BY:	LMV

Figure No.
2



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\JAMES_E_015_STUFFING\MXD\FIGURE 3 APPROX RELEASE & ASSESS_JAMES E 015.MXD

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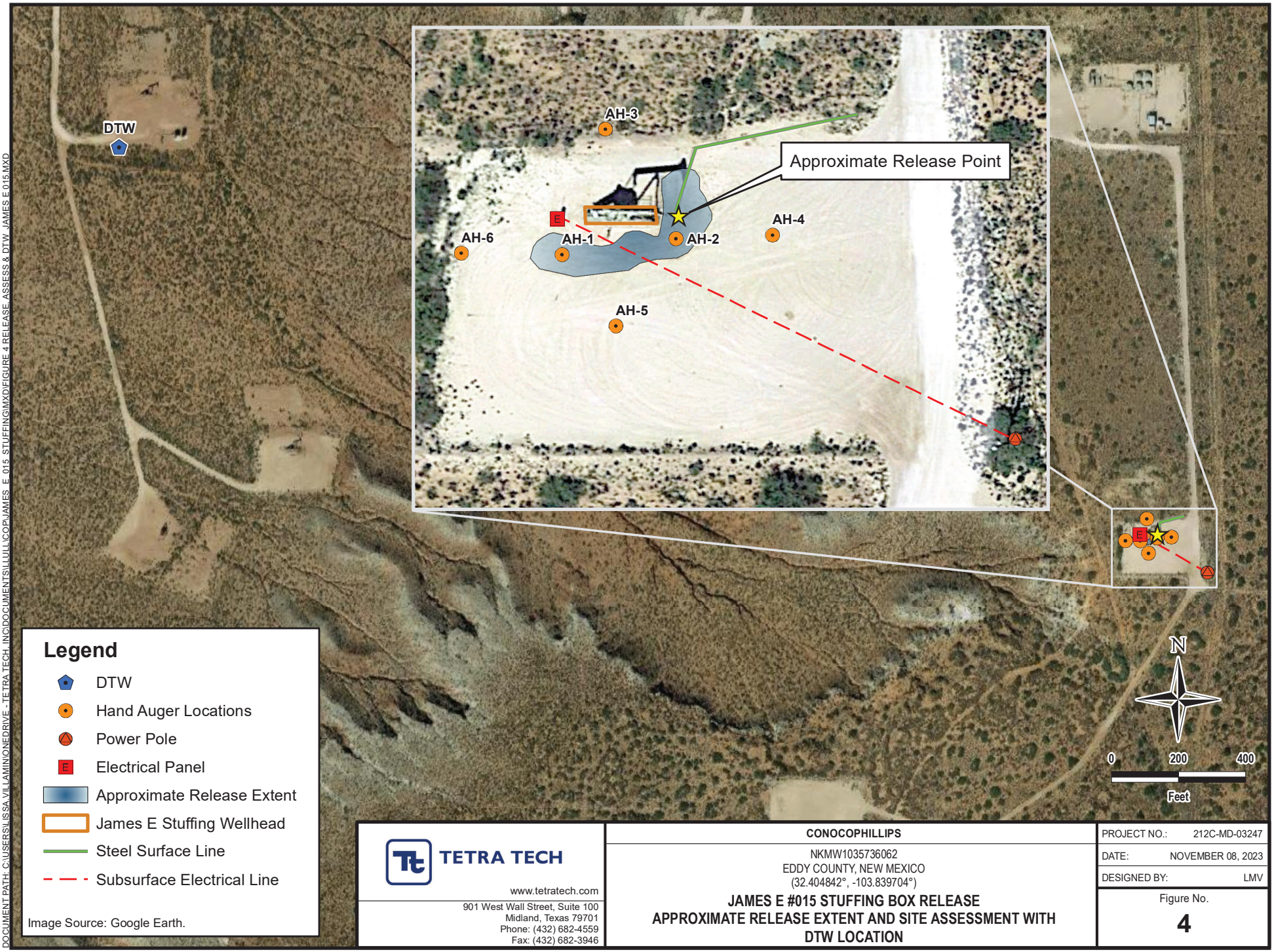
CONOCOPHILLIPS

NKMW1035736062
EDDY COUNTY, NEW MEXICO
(32.404842°, -103.839704°)

JAMES E #015 STUFFING BOX RELEASE
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT

PROJECT NO.:	212C-MD-03247
DATE:	NOVEMBER 08, 2023
DESIGNED BY:	LMV

Figure No.
3



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CONOCOPHILLIPS

NKMW1035736062
EDDY COUNTY, NEW MEXICO
(32.404842°, -103.839704°)

JAMES E #015 STUFFING BOX RELEASE
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT WITH DTW LOCATION

PROJECT NO.:	212C-MD-03247
DATE:	NOVEMBER 08, 2023
DESIGNED BY:	LMV

Figure No.
4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2023 SOIL ASSESSMENT- NKMW1035736062
CONOCOPHILLIPS
JAMES E WELL #15 STUFFING BOX
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (> 100 ft):			Chlorides[1]		BTEX[2]								TPH[3]							
			< 20,000 mg/kg		< 10 mg/kg							< 50 mg/kg	GRO		DRO		EXT DRO		< 2,500 mg/kg	< 1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Chloride		Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		C_6 - C_{10}		> C_{10} - C_{28}		> C_{28} - C_{36}		Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
AH-1	10/23/2023	0-1	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-2	10/23/2023	0-1	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-3	10/23/2023	0-1	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-4	10/23/2023	0-1	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-5	10/23/2023	0-1	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-6	10/23/2023	0-1	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

APPENDIX A
C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

30-015-27078
nKmw 1035736062

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company 217817	Contact Jesse A. Sosa
Address 3300 N. "A" St., Bldg. 6 #247 Midland, TX 79705-5	Telephone No. (505)391-3126
Facility Name James E Well #15	Facility Type Oil Well

Surface Owner NMOCD	Mineral Owner BLM	Lease No. 3001527078

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	12S	22S	30E	1980	South	955	West	Eddie

Latitude N 32 24.991' Longitude W 103 50.383'

NATURE OF RELEASE

Type of Release Hydrocarbons	Volume of Release 13 / Volume Recovered 12
Source of Release Stuffing Box	Date and Hour of Occurrence 5/18/2010 / Date and Hour of Discovery 5/18/10
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? NMOCD - Mike Bratcher
By Whom? Jesse Sosa	Date and Hour 5/25/10 3:15 pm
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
MSO found the stuffing box had leaked. Total release was 9 BPW and 4 BO. MSO shut power off and isolated leak, a vacuum truck was contacted to pick up any free fluid. Total volume recovered was 9 BPW 3 BO.

Describe Area Affected and Cleanup Action Taken.*
The area affected was 20 x 117' of caliche pad. Notifications were made to supervision upon discovery of the spill, and the area will be remediated in place.

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

Signature:
Printed Name: Jesse A. Sosa
Title: HSER Lead
E-mail Address: Jesse.A.Sosa@conocophillips.com
Date: 05/25/2010 Phone: (505)391-3126

OIL CONSERVATION DIVISION

Approved by District Supervisor: Signed By Mike Bratcher
Approval Date: 3/3/11 Expiration Date:
Conditions of Approval: Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: 4/3/11
Attached ☐

2RP-533

* Attach Additional Sheets If Necessary

Bratcher, Mike, EMNRD

From: Sosa, Jesse A [Jesse.A.Sosa@conocophillips.com]
Sent: Wednesday, May 26, 2010 8:38 AM
To: 'woody3210@aol.com'; Mariscal, Luis C
Cc: Bratcher, Mike, EMNRD; Robinson, Ron E.
Subject: James E Well #15
Attachments: James E #15.pdf

Woody, here is the C-141 for the James E #15. Please stay in contact with Mr. Bratcher on catching samples prior to back filling. I have already requested a work order. Luis should have it before too long. Any questions or problems please contact me.

Thank you,

Jesus A. Sosa
HSER Lead - Hobbs Production
1410 NW County Road
Hobbs, New Mexico 88240

Phone 575-391-3126
Fax 575-391-3102
Cell 575-390-8251

Jesse.A.Sosa@conocophillips.com

You cannot help the poor by destroying the rich.
You cannot strengthen the weak by weakening the strong.
You cannot bring about prosperity by discouraging thrift.
You cannot lift the wage earner up by pulling the wage payer down.
You cannot further the brotherhood of man by inciting class hatred.
You cannot build character and courage by taking away people's initiative and independence.
You cannot help people permanently by doing for them, what they could and should do for themselves.

.....Abraham Lincoln

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NKMW1035736062
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?	>105 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NKMW1035736062
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: Moises H Cantu Garcia Title: Sr. Environmental Engineer

Signature: Moises H Cantu Garcia Date: 11/13/2023

email: Moises.H.CantuGarcia@conocophillips.com Telephone: 432-688-6090

OCD Only

Received by: Shelly Wells Date: 11/13/2023

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NKMW1035736062
District RP	2RP-533
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: Moises H Cantu Garcia Title: Sr. Environmental Engineer

Signature: Moises H Cantu Garcia Date: 11/13/2023

email: Moises.H.CantuGarcia@conocophillips.com Telephone: 432-688-6090

OCD Only

Received by: Shelly Wells Date: 11/13/2023

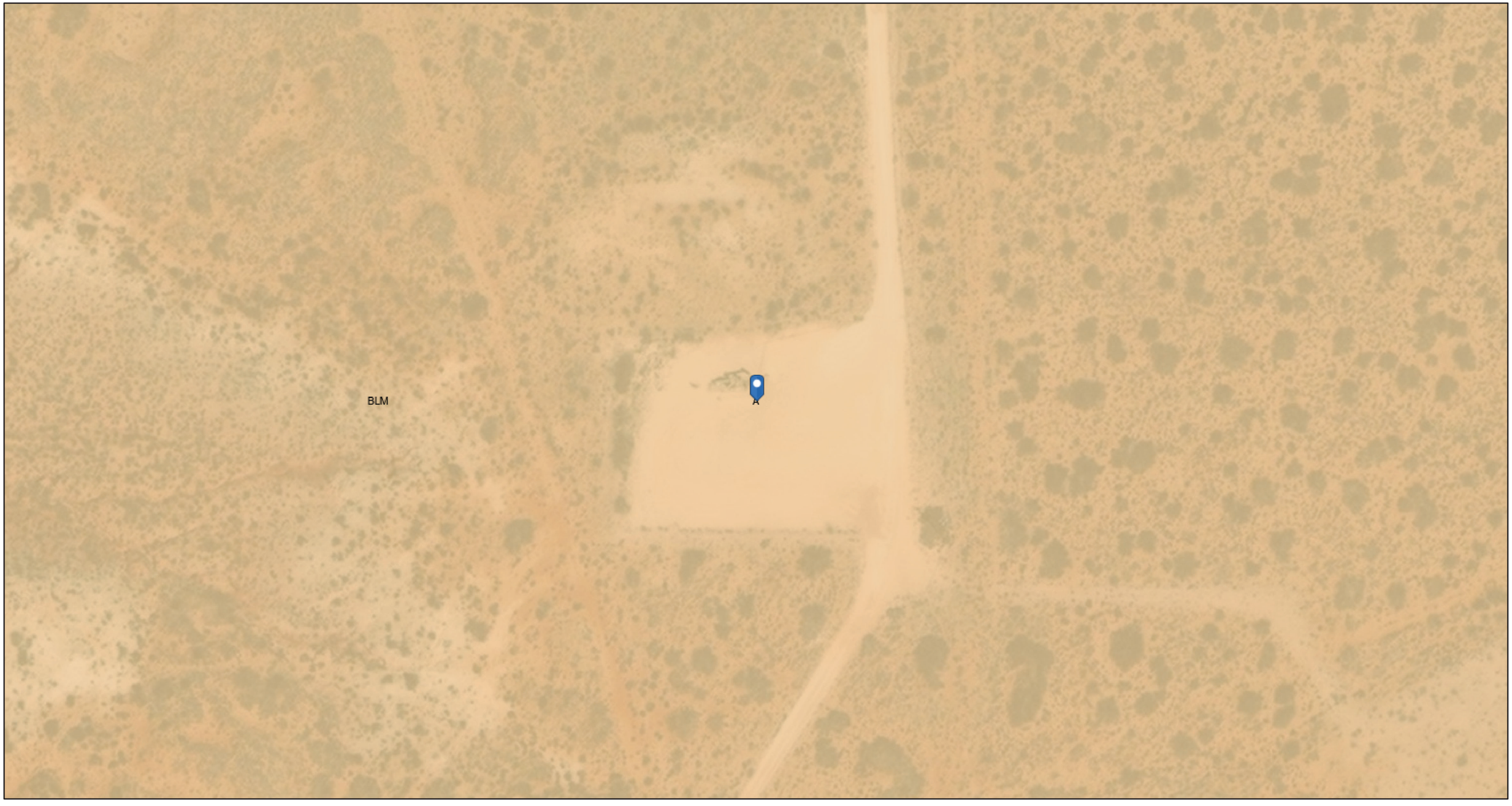
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: Brittany Hall Date: 11/28/2023

Printed Name: Brittany Hall Title: Environmental Specialist

APPENDIX B
Site Characterization Data

OCD - Mineral & Surface Ownership



10/5/2023, 1:55:44 PM

Mineral Ownership

A-All minerals are owned by U.S.

Land Ownership

BLM

1:1,128

0 0.01 0.02 0.04 mi

0 0.02 0.04 0.07 km

U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

OCD - Waterbodies

10/5/2023, 1:56:54 PM

OSE Streams

1:2,257

0 0.02 0.04 0.09 mi

0 0.04 0.07 0.15 km

Maxar, Microsoft, Esri, HERE, Garmin, iPC, NM OSE

National Flood Hazard Layer FIRMette

FEMA

103°50'42"W 32°24'33"N

Feet
0 250 500 1,000 1,500 2,000
1:6,000

103°50'4"W 32°24'2"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

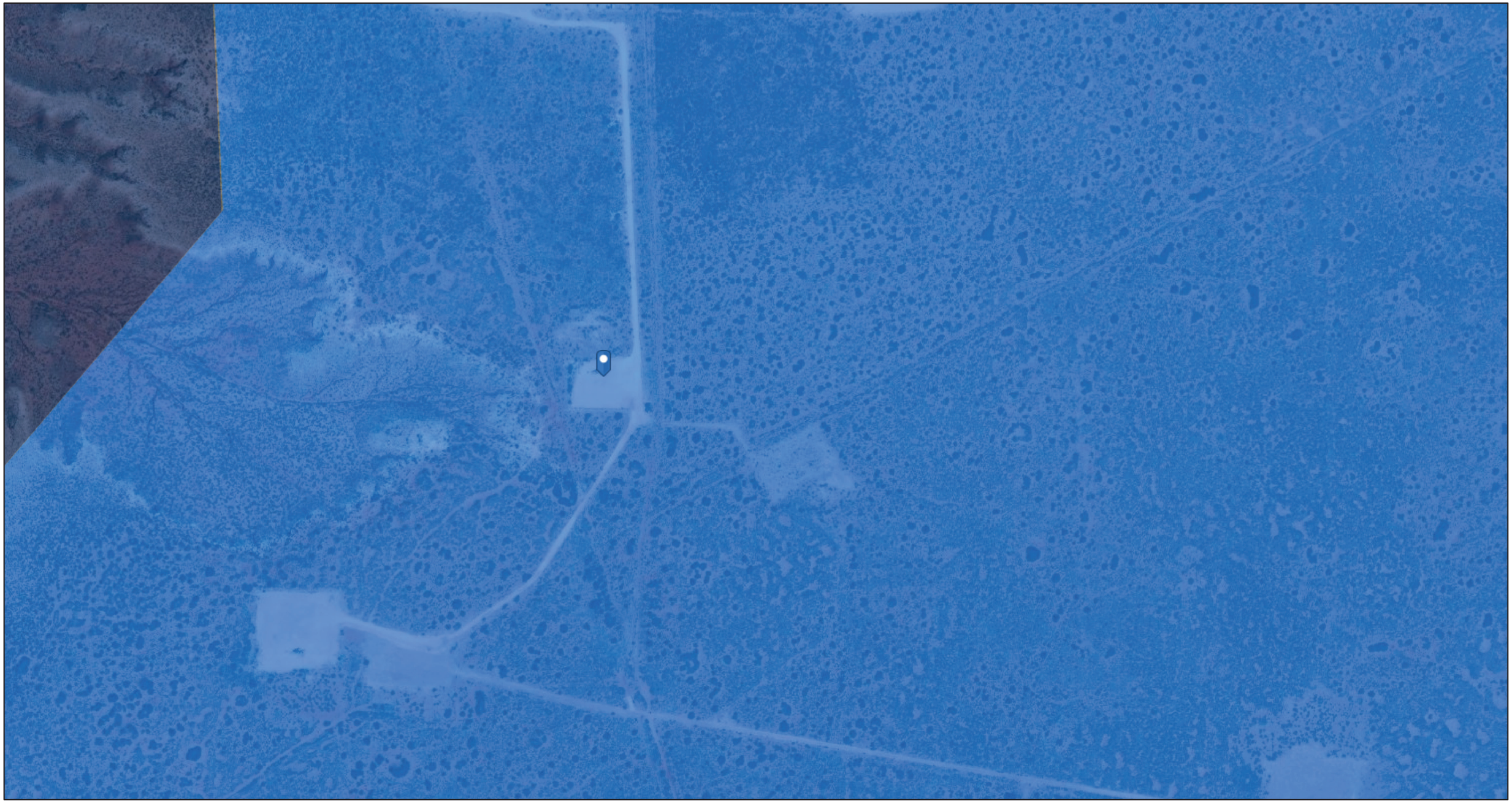
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/2/2023 at 11:03 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

OCD - Karst Potential



10/5/2023, 1:56:17 PM

Karst Occurrence Potential

- High
- Medium

1:4,514

0 0.05 0.1 0.19 mi

0 0.07 0.15 0.3 km

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

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-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04528 POD1	CUB	ED	1	3	3	12	22S	30E	608886	3585625	359			
C 02749	CUB	ED	1	1	1	18	22S	31E	610556	3585146*	1627	640		
C 02750	CUB	ED	1	1	1	18	22S	31E	610556	3585146*	1627	741		
C 02751	CUB	ED	1	1	1	18	22S	31E	610556	3585146*	1627	637		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 609115 **Northing (Y):** 3585902.93 **Radius:** 2400

***UTM location was derived from PLSS - see Help**

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04769 POD1	CUB	ED	2	1	2	21	26S	31E	615225	3544832	3694	101		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 615869.33 **Northing (Y):** 3541194.38 **Radius:** 5500

212C-MD-02413 | TETRA TECH | **LOG OF BORING James E 001 DTW** | Page 1 of 2

Project Name: James E #001 Tubing Line Release

Borehole Location: GPS Coordinates: 32.408042°, -103.849478° | Surface Elevation (ft): 3209

Borehole Number: James E 001 DTW | Borehole Diameter (in.): 8 | Date Started: 2/28/2023 | Date Finished: 2/28/2023

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft | 24 Hours After Completion of Drilling ▽ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPES	SAMPLE	STANDARD PENETRATION TEST SPT	PID (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	WELL DIAGRAM
0												**-SP-** SAND: Reddish brown, partially cemented, fine-grained, with trace caliche, dry.	4	Bentonite Chip Seal
5												**-SP-** SAND: Reddish brown, loose, coarse to fine-grained, poorly sorted, with moderate to trace caliche, dry.	8	
10												**-SP-** SAND: Light tan to light brown, loose, coarse to fine-grained, moderatley to poorly sorted, with caliche gravel, dry.	22	
15														
20														
25												**-SW-** SAND: Light tan, loose, fine to very fine-grained, with trace caliche, dry.	42	
30														
35														
40														
45												**-SW-** SAND: Light tan, loose, coarse to fine-grained, with occasional caliche fragments, dry.		2" Sch. 40 PVC Casing
50														
55														

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, California, Grab Sample, Sonic

Operation Types: Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Hollow Stem Auger, HSA

Notes:

Surface elevation is an approximate value obtained from Google Earth data.

Logger: Colton Bickerstaff | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

JAMES E #001 DTW.GPJ `3-22-23`.`TT_AUSTIN_ENVGEOTECH_WELL UPDATED`

Revised 8/14/2019 (RCD)

212C-MD-02413 | TETRA TECH | **LOG OF BORING James E 001 DTW** | Page 2 of 2

Project Name: James E #001 Tubing Line Release

Borehole Location: GPS Coordinates: 32.408042°, -103.849478° | Surface Elevation (ft): 3209

Borehole Number: James E 001 DTW | Borehole Diameter (in.): 8 | Date Started: 2/28/2023 | Date Finished: 2/28/2023

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft | 24 Hours After Completion of Drilling ▽ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPES	SAMPLE	STANDARD PENETRATION TEST SPT	PID (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	WELL DIAGRAM
60													62	
65												**-SW-** SAND: Brown to reddish brown, loose, fine to very fine-grained, dry.		
70														
75														
80														
85														
90														
95														
100														10' Slotted PVC Pipe
105													105	

Bottom of borehole at 105.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, California, Grab Sample, Sonic

Operation Types: Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Hollow Stem Auger, HSA

Notes:
Surface elevation is an approximate value obtained from Google Earth data.

Logger: Colton Bickerstaff | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

JAMES E #001 DTW.GPJ `3-22-23`.`TT_AUSTIN_ENVGEOTECH_WELL UPDATED`

Revised 8/14/2019 (RCD)

APPENDIX C
Regulatory Correspondence

Chavira, Lisbeth

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Monday, September 25, 2023 8:33 AM
To: Abbott, Sam; Enviro, OCD, EMNRD
Cc: Llull, Christian; Chavira, Lisbeth; Maxwell, Ashley, EMNRD; Llull, Christian; Chavira, Lisbeth; Smith, Cory, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Extension Request - Application ID 207613 (NKMW1035736062)

Sam,
The extension request for NKMW1035736062 is approved. The new due date is December 1, 2023.

If an approved workplan is found, it will need to have an email, stamps, etc. from the OCD that shows it was received and approved by the OCD prior to the rule change and will need to be submitted to the OCD ASAP. If the approved workplans are already uploaded into the files available on the OCD Permitting website the workplan will not need to be resubmitted.

Please let me know if you have any questions or require any additional information. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,
Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

From: Abbott, Sam <Sam.Abbott@tetratech.com>
Sent: Friday, September 22, 2023 3:25 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetratech.com>; Chavira, Lisbeth <LISBETH.CHAVIRA@tetratech.com>; Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>; Llull, Christian <Christian.Llull@tetratech.com>; Chavira, Lisbeth <LISBETH.CHAVIRA@tetratech.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request - Application ID 207613 (NKMW1035736062)

Ms. Hall,

On behalf of ConocoPhillips, Tetra Tech is requesting an extension to December 1, 2023 to complete any necessary additional assessment activities and associated reporting for the James E No.015 Release site (**NKMW1035736062**).

A Closure Letter Report dated October 15, 2020 was rejected by the OCD on 4/18/2023 with the following comments: “Closure for this incident is not approved. The OCD requires that this release be Remediated according to 19.15.29.12 NMAC and 19.15.29 13 NMAC as they apply to this release and resubmit a closure report by 07/17/2023.”

The OCD, ConocoPhillips, and Tetra Tech had a meeting on September 20, 2023 to discuss the OCD rejections of a select number of submitted closure reports associated with the Agreed Compliance Order (ACO) for open release incidents between ConocoPhillips and OCD. In this meeting, ConocoPhillips and Tetra Tech received clarification from the OCD on the closure requirements for the historical releases. Based on this meeting, ConocoPhillips will assess each remaining open release incident associated with the ACO to determine if there is an approved remediation work plan associated with the incident. If so, ConocoPhillips will proceed to perform the approved scope of work contained in the work plan. If there is not an approved work plan associated with the release incident, then ConocoPhillips will proceed with any necessary assessment and/or remediation activities in compliance with 19.15.29 NMAC.

ConocoPhillips is committed to addressing this open release incident in compliance with OCD regulations. Additional time is required to review incident records, perform additional assessment sampling if necessary, and prepare a revised report for OCD review. A complete report will be submitted to the OCD within the requested timeframe.

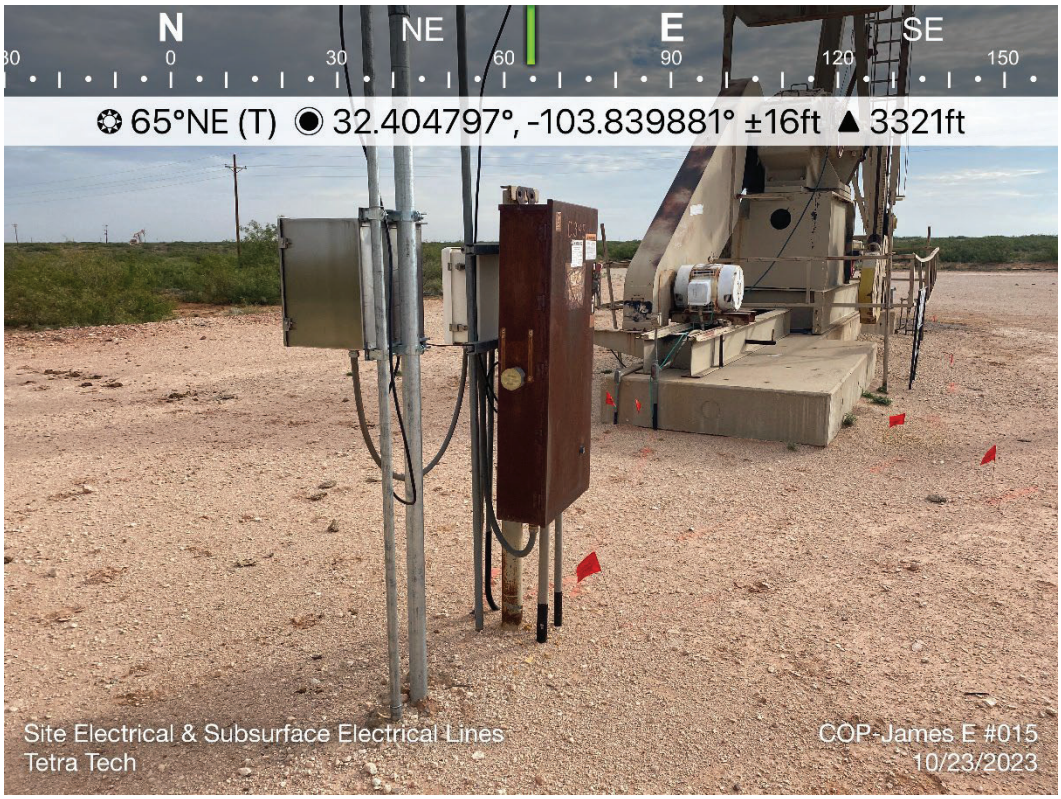
Thank you,
Sam

Samantha Abbott, PG | Project Manager
Direct Mobile **+1 (512) 739-7874** | Business **+1 (512) 338-1667** | Sam.Abbott@tetratech.com

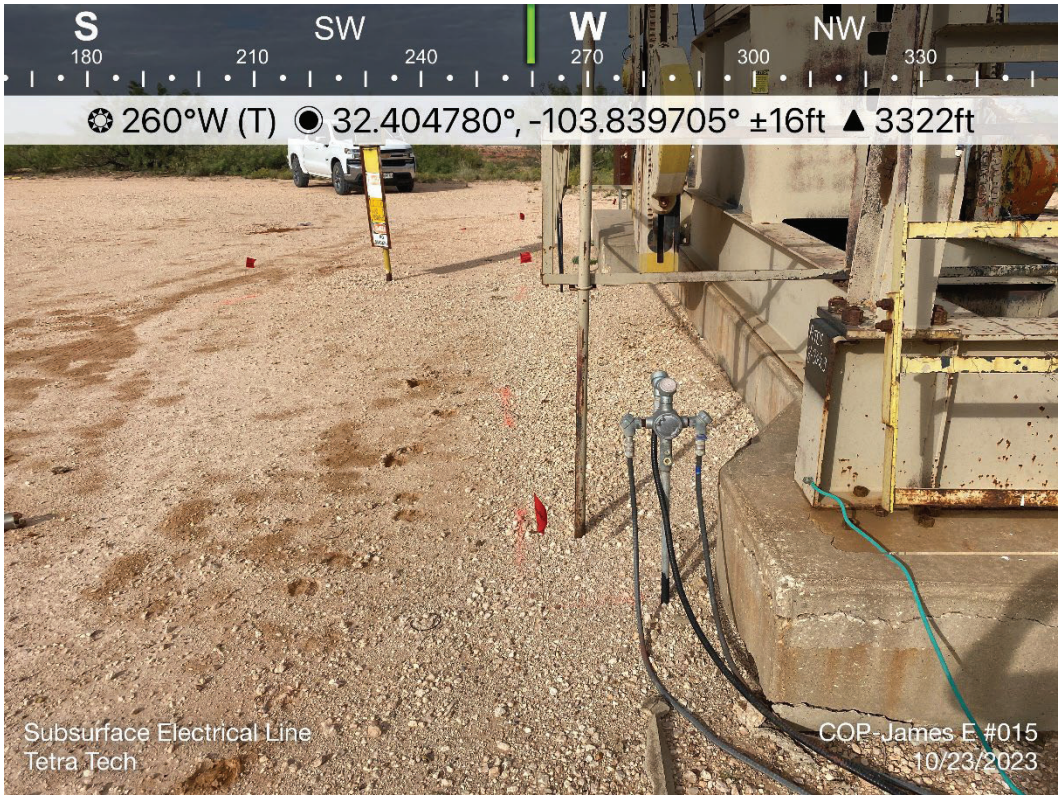
Tetra Tech, Inc. | *Leading with Science*® | OGA
8911 N Capital of Texas Hwy #2310 | Austin, TX 78759 | tetratech.com

APPENDIX D
Photographic Documentation

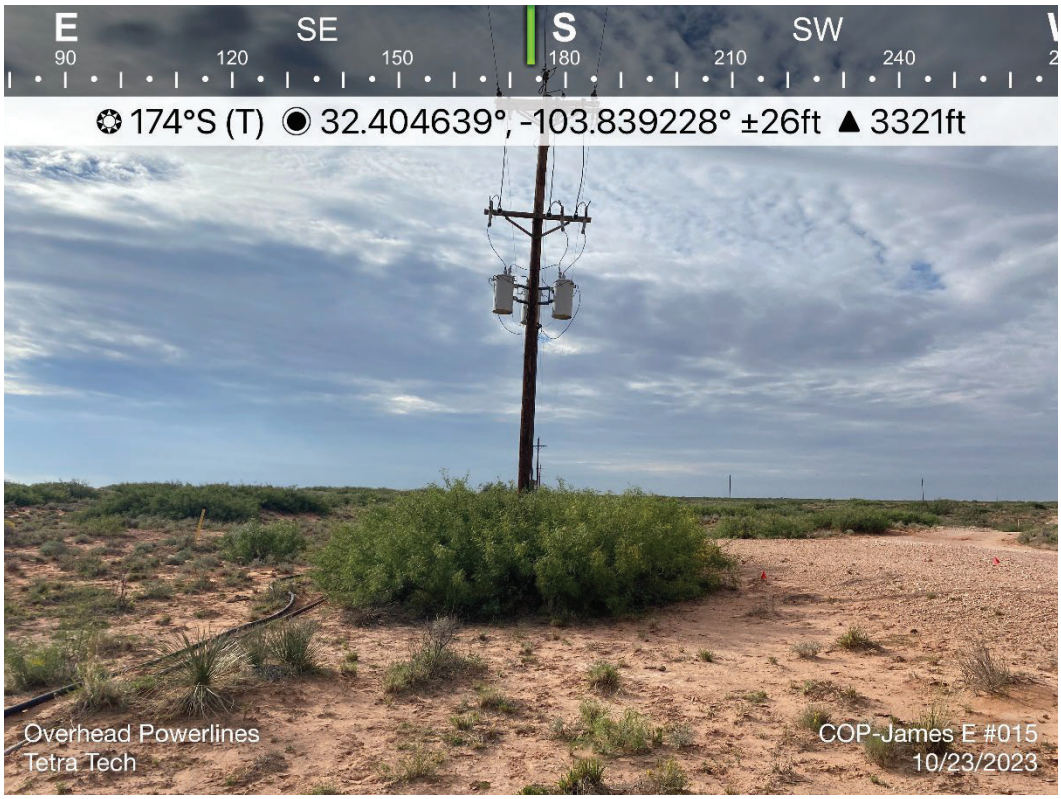
TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View north-northwest of sight signage. James E #015.	1
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



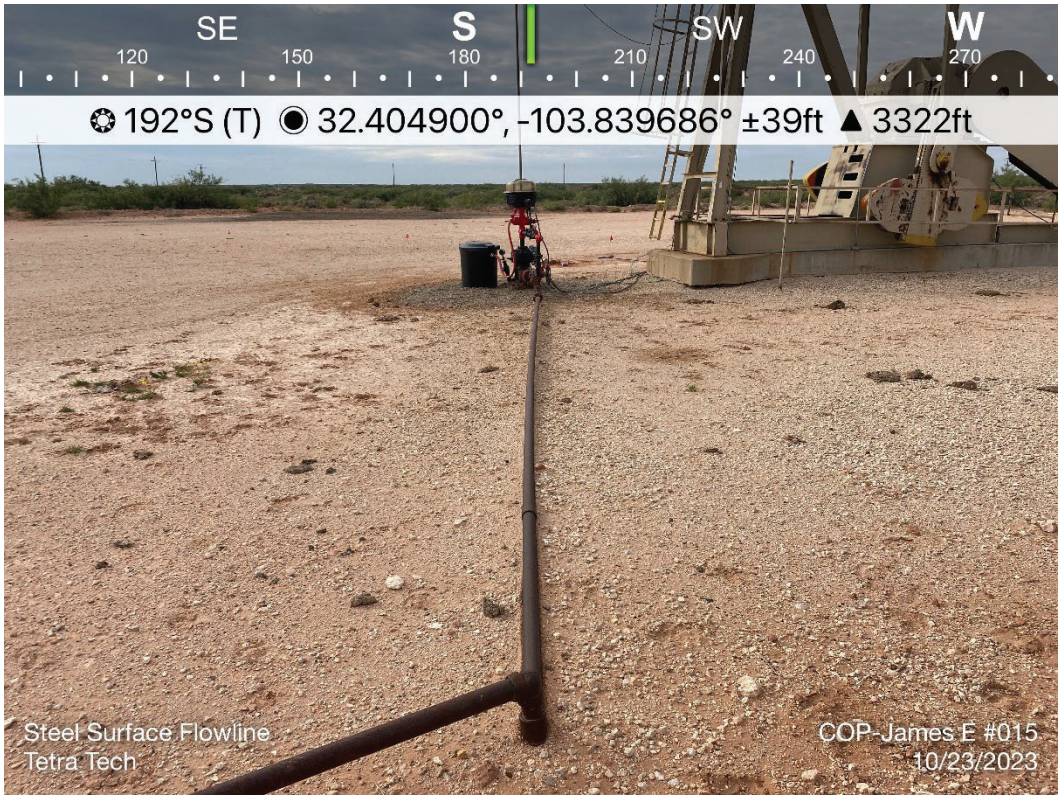
TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View east-northeast of Site electrical and subsurface electrical lines.	2
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



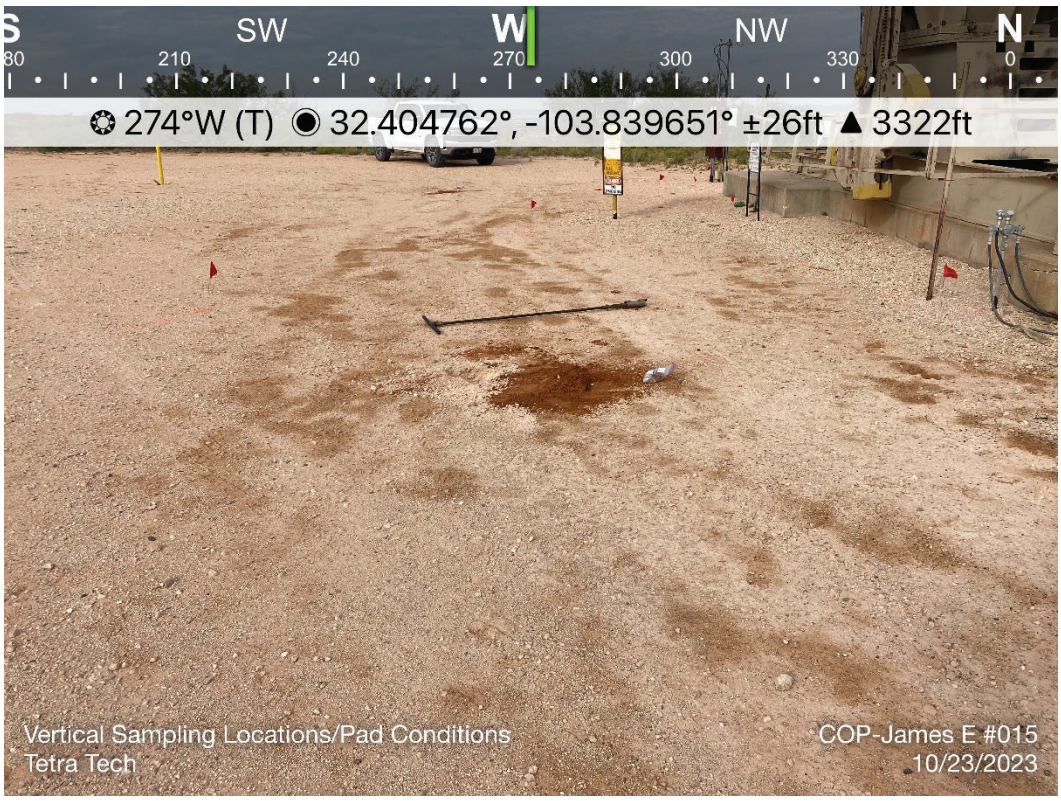
TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View west of subsurface electrical line.	3
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



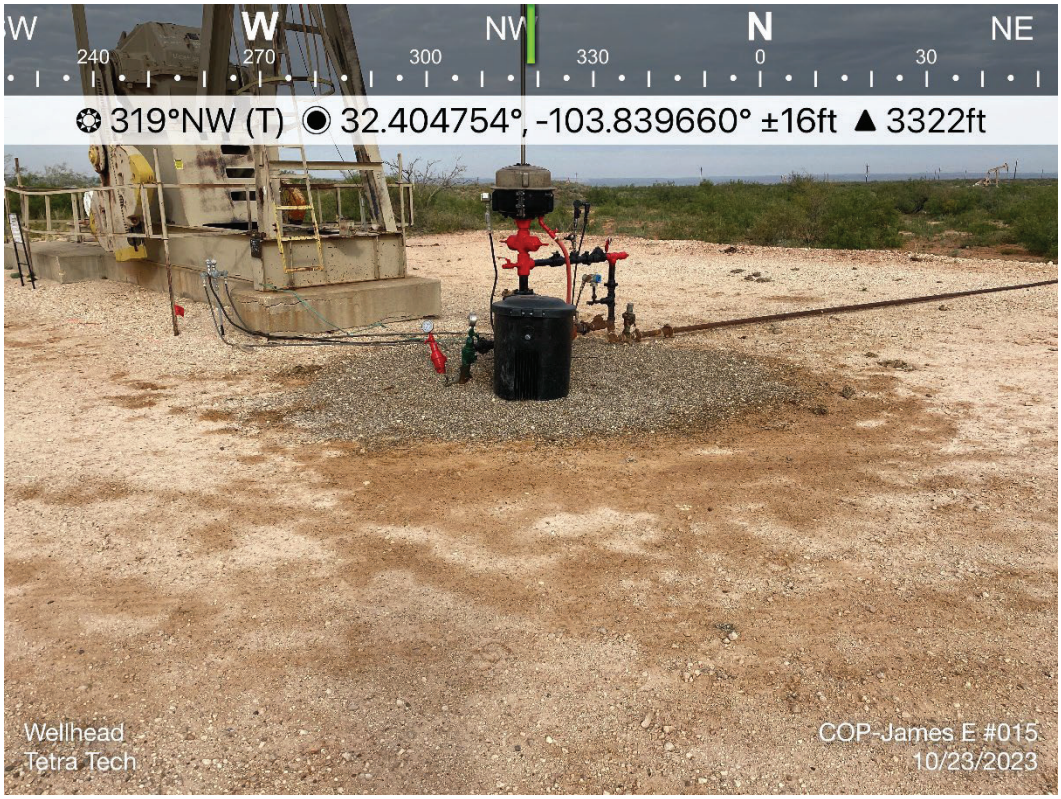
TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View south of overhead powerlines and surface polylines.	4
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View south of approximate release area near wellhead. Steel surface flowline.	5
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View west of approximate release area. Vertical sampling locations and pad condition.	6
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03247	DESCRIPTION	View northwest of approximate release area near wellhead.	7
	SITE NAME	James E #015 Stuffing Box Release	10/23/2023

APPENDIX E
Laboratory Analytical Data

CARDINAL Laboratories

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

October 31, 2023

LISBETH CHAVIRA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JAMES E #015 STUFFING BOX RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/24/23 12:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 1 (0-1') (H235815-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/26/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane *74.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *73.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 1 (2'-3') (H235815-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/26/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane *78.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 1 (3'-4') (H235815-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/26/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane *74.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 2 (0-1') (H235815-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/26/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane *59.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *59.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 2 (2'-3') (H235815-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/26/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane *73.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 2 (3'-4') (H235815-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/27/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane *70.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 3 (0-1') (H235815-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/27/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane *70.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 4 (0-1') (H235815-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/27/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane *56.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *57.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 5 (0-1') (H235815-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/27/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane *75.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/31/2023	Sampling Type:	Soil
Project Name:	JAMES E #015 STUFFING BOX RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY COUNTY, NM		

Sample ID: AH - 6 (0-1') (H235815-10)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	2.05	103	2.00	2.81	
Toluene*	<0.050	0.050	10/27/2023	ND	2.03	101	2.00	2.71	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	2.06	103	2.00	2.46	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.90	98.4	6.00	2.15	
Total BTEX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	10/27/2023	ND	432	108	400	3.64	

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	10/27/2023	ND	182	90.9	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	183	91.4	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane *69.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		**BILL TO**	
Project Manager: Lisbeth Chavira		P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310		Company: Tetra Tech	
City: Austin	State: TX Zip:	Attn: Lisbeth Chavira	
Phone #: (512)565-0190	Fax #:	Address: EMAIL	
Project #: 212C-MD-03246	Project Owner: ConocoPhillips	City:	
Project Name: James E #015 Stuffing Box Release		State: Zip:	
Project Location: Eddy County, New Mexico		Phone #:	
Sampler Name: Colton Bickerstaff		Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015M	BTEX 8021B	Chloride SM4500CI-B									
H235815																										
1	AH-1 (0-1')	G	1			X					X		10/23/2023		X	X	X									
2	AH-1 (2'-3')	G	1			X					X		10/23/2023		X	X	X									
3	AH-1 (3'-4')	G	1			X					X		10/23/2023		X	X	X									
4	AH-2 (0-1')	G	1			X					X		10/23/2023		X	X	X									
5	AH-2 (2'-3')	G	1			X					X		10/23/2023		X	X	X									
6	AH-2 (3'-4')	G	1			X					X		10/23/2023		X	X	X									
7	AH-3 (0-1')	G	1			X					X		10/23/2023		X	X	X									
8	AH-4 (0-1')	G	1			X					X		10/23/2023		X	X	X									
9	AH-5 (0-1')	G	1			X					X		10/23/2023		X	X	X									
10	AH-6 (0-1')	G	1			X					X		10/23/2023		X	X	X									

Relinquished By: Colton Bickerstaff	Date: 10/24/23 Time: 1249	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: Lisbeth.Chavira@tetratech.com
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.0 Corrected Temp. °C 5.0	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Bacteria (only) Sample Condition Rush: NO, N/A ☐ Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.5°C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

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 285121

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 285121
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. Site will need to meet the requirements of 19.15.9.13 NMAC at time of plugging and abandonment.	11/28/2023