



November 17, 2020

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

**Subject: Closure Letter Report  
ConocoPhillips  
1RP-5062  
EVGSAU Satellite #3 Trunk Line Release  
PLSS Unit Letter H, Section 32, Township 17 South, and Range 35 East  
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg-San Andres Unit (EVGSAU) Satellite #3 release area (Site) is located approximately 2.1 miles east-southeast of Buckeye in Lea County, New Mexico. The Site coordinates are 32.791605°, -103.471746°, located in the Public Land Survey System (PLSS) Unit Letter H, Section 32, Township 17 South, and Range 35 East. The precise release location and extent was identified by ConocoPhillips (Figure 1). The well listed in the C-141 is the EVGSAU #012 well (API No. 30-025-02968), which is located approximately 2,000 feet (ft) southwest of the release Site in the PLSS Unit Letter J, Section 32, Township 17 South, Range 35 East.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on May 14, 2018 a release of 11 barrels (bbls) of oil and 9.38 bbls of produced water occurred from a trunk line near the EVGSAU Satellite #3. The affected area was reported as 138-feet (ft) by 81-ft by 1-inch deep. During initial response activities a vacuum truck recovered approximately 10 bbls of the released fluids. Notice was given to the New Mexico Oil Conservation Division (NMOCD) on May 16, 2018 and the release was subsequently assigned the Remediation Permit (RP) number 1RP-5062.

## SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, 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. However, the release footprint is located within 200 feet of a playa lake. The Site is located in a low karst potential area.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there are two (2) water wells located within 800 meters (approximately ½-mile) of the release location. The average depth to groundwater is 90 ft. The site characterization data is shown in Attachment B.

## 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

**TETRA TECH**

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Bradford Billings  
NMOCD  
November 17, 2020

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's proximity to a playa lake, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO + ORO): 100 mg/kg;
- Chloride: 600 mg/kg.

## 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 April 2019. Remedial activities included excavating the visibly impacted soils. The visible footprint of the release was excavated to approximately 2 ft below ground surface (bgs). Photographic documentation of the remedial activities is included in Attachment C, photos 1 and 2.

Following excavation activities, ConocoPhillips collected confirmation wall and floor samples at six (6) locations on May 1, 2019 and submitted them to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH via EPA Method 8015M, BTEX via EPA Method 8021B and chlorides using EPA Method 4500-Cl B. Sampling locations are indicated on Figure 1. Copies of the laboratory analytical report and chain-of-custody documentation are included in Attachment D.

Confirmation sampling results are summarized in Table 1. All analytical results associated with the confirmation samples were below the proposed RRALs for TPH, BTEX, benzene, and chlorides. The excavated soil was taken to an NMOCD-approved facility for disposal, and the excavated area was backfilled with clean soil.

## VISUAL SITE INSPECTION SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a records review and a visual Site inspection on July 24, 2020 at the release area evaluate to 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 inspection is included as Attachment C (photos 3 through 8). A list of observations made during the records review and visual Site inspection follow:

- Based on ConocoPhillips records, the release Site footprint was remediated in April and May 2019 via excavation of visually impacted soils.
- Both sidewall and floor confirmation samples were collected following excavation activities, and all results were below the Site RRALs (Table 1).
- The excavated area was backfilled with clean soil following receipt of confirmation sampling results.
- No surficial staining was noted at the approximate point of release or the in the reported release extent during the July 2020 visual Site inspection.
- Previously disturbed pasture areas within the reported release footprint were observed to contain uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels.

## RECLAMATION AND RE-VEGETATION

From review of recent aerial photography and the visual Site inspection, it appears that the formerly impacted surface areas were restored to the conditions that existed prior to the release in accordance with 19.15.29.13 NMAC (Attachment C). The lease road areas remain unvegetated by design, as they are needed for production operations.

Bradford Billings  
NMOCD  
November 17, 2020

## CONCLUSION

Based on reported and documented remediation work performed at the Site, confirmation sampling results, and recent visual evidence of reestablished vegetation at the formerly impacted surface areas in the pasture, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

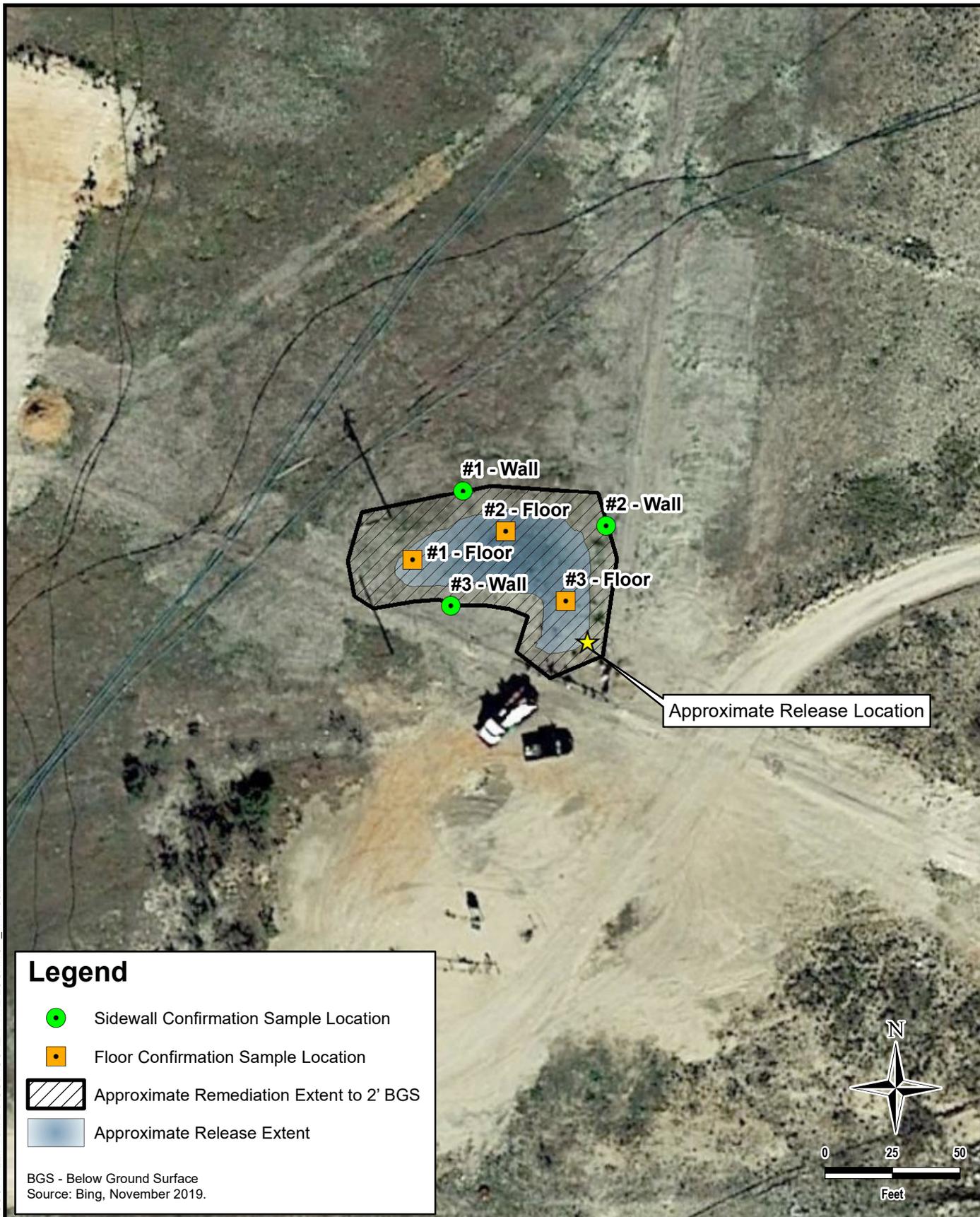
Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at [christian.llull@tetratech.com](mailto:christian.llull@tetratech.com).

Sincerely,



Christian M. Llull  
Project Manager  
Tetra Tech, Inc.

## **FIGURES**



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\FIGURE 1 SITE LOCATION\_1RP-5062.MXD

**Legend**

- Sidewall Confirmation Sample Location
- Floor Confirmation Sample Location
- Approximate Remediation Extent to 2' BGS
- Approximate Release Extent

BGS - Below Ground Surface  
Source: Bing, November 2019.



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Midland, Texas 79701  
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Fax: (432) 682-3946

CONOCOPHILLIPS

1RP-5062  
(32.791622°, -103.471708°)  
LEA COUNTY, NEW MEXICO

**EVGSAU SATELLITE #3 TRUNKLINE RELEASE  
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02307

DATE: OCTOBER 13, 2020

DESIGNED BY: AAM

Figure No.

**1**

## **TABLES**

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS**  
**CONFIRMATION SAMPLING**  
**CONOCOPHILLIPS**  
**EVGSAU SATELLITE #3 TRUNK LINE RELEASE**  
**1RP-5062**  
**LEA COUNTY, NM**

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>								TPH <sup>3</sup>								
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO <sup>4</sup>		DRO		ORO		Total TPH (GRO+DRO+ORO)
				mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
#1 - Floor	5/1/2019	< 16.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	
#2 - Floor	5/1/2019	32.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	
#3 - Floor	5/1/2019	< 16.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	
#1 - Wall	5/1/2019	16.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	
#2 - Wall	5/1/2019	16.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	
#3 - Wall	5/1/2019	32.0		< 0.05		< 0.05		< 0.05		< 0.15		< 0.30	< 10.0		< 10.0		< 10.0		ND	

**NOTES:**

- mg/kg Milligrams per kilogram      1      EPA Method SM4500Cl-B
- TPH Total Petroleum Hydrocarbons      2      EPA Method 8260B
- GRO Gasoline range organics      3      EPA Method 8015
- DRO Diesel range organics      4      EPA Method 8015D/GRO
- ORO Oil range organics
- Q Qualifier

**ATTACHMENT A  
C-141 Forms**

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

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

**OPERATOR**  Initial Report  Final Report

Name of Company: <b>ConocoPhillips</b>	Contact: <b>Cullen Rosine</b>
Address: <b>29 Vacuum Complex Lane</b>	Telephone No. <b>575-391-3133</b>
Facility Name: <b>EVGSAU Satellite 3</b>	Facility Type: <b>Satellite – Trunk line</b>

Surface Owner: <b>State</b>	Mineral Owner: <b>State</b>	API No. <b>30-025- 02968</b>
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#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	32	17S	35E					<b>Lea</b>

Latitude 32°47'20.26 Longitude -103°28'38.25

#### NATURE OF RELEASE

Type of Release: <b>Oil and Produced Water</b>	Volume of Release: <b>11 BBL Oil 9.38 BBL Produced Water</b>	Volume Recovered: <b>10 BBL</b>
Source of Release: <b>Trunk Line</b>	Date and Hour of Occurrence: <b>5/14/2018 1530 hrs</b>	Date and Hour of Discovery: <b>5/15/2018 0600 hrs</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Olivia Yu</b>	
By Whom? <b>Cullen Rosine</b>	Date and Hour: <b>5-16-2018 0800 hours via phone</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**RECEIVED**  
**By Olivia Yu at 2:00 pm, May 21, 2018**

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.. While driving to location a contractor spotted a line leak and reported it to COP personnel. MSO isolated line and called a vac truck to recover the fluid. A total of 20.38 BBL of fluid were released with 10 BBL recovered. The spill site will be remediated per NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. \*  
Area 1 – 138' x 81' x 1"

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: <i>Cullen Rosine</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Cullen Rosine	Approved by Environmental Specialist: 	
Title: HSE Specialist	Approval Date: <b>5/21/2018</b>	Expiration Date:
E-mail Address: <b>Cullen.J.Rosine@conocophillips.com</b>	Conditions of Approval: <b>see attached directive</b>	Attached <input checked="" type="checkbox"/>
Date: 5-16-2018	Phone: 575-391-3133	

\* Attach Additional Sheets If Necessary

**1RP-5062**

**nOY1814150716**

**pOY1814151002**

Incident ID	NOY1814150716
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

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

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

**OCD Only**

Received by: Jocelyn Harimon Date: 04/18/2023

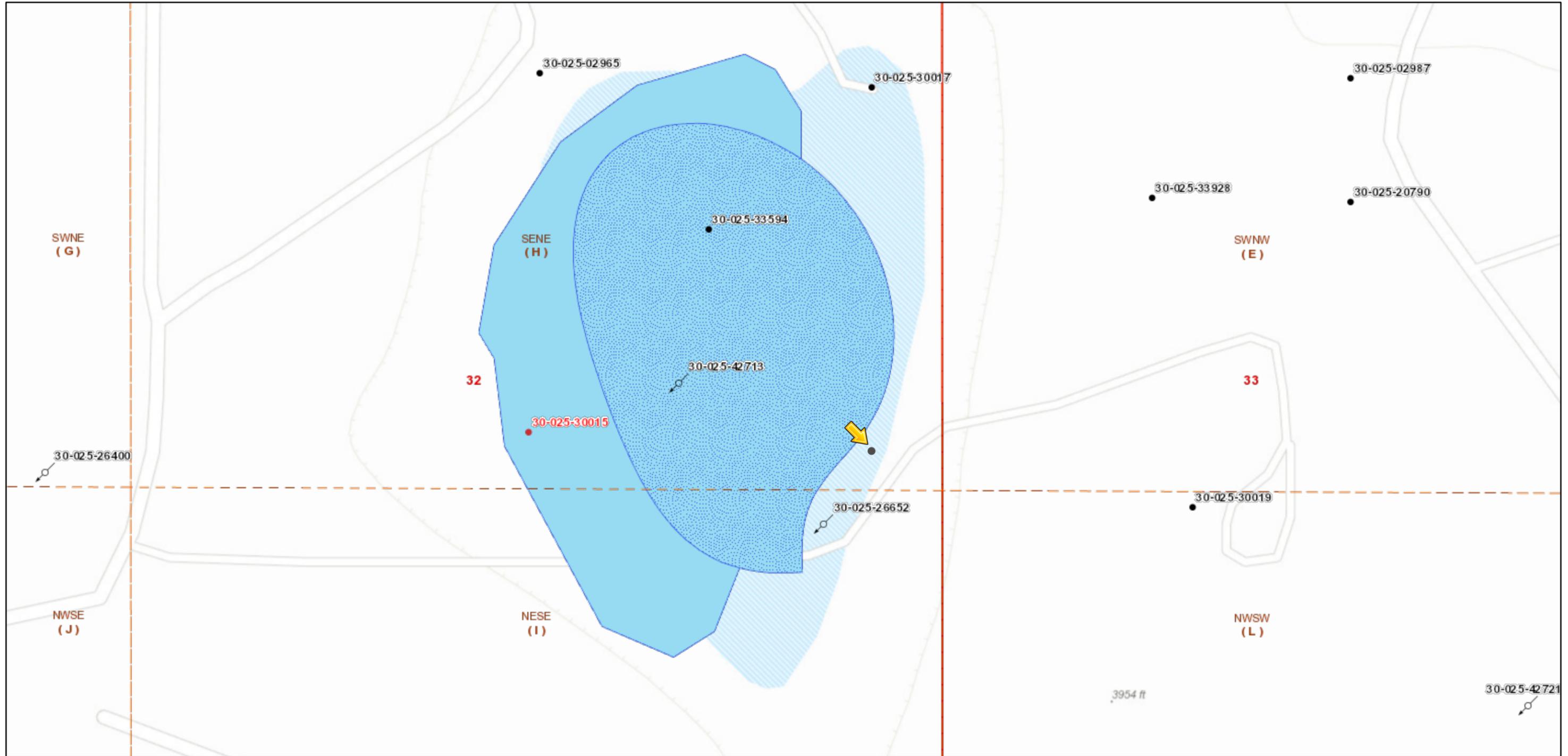
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by:  Date: 04/18/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

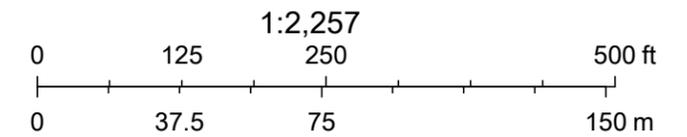
**ATTACHMENT B**  
**Site Characterization Data**

# 1RP-5062



7/28/2020, 10:57:18 AM

- Override 1
- CO2, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Temporarily Abandoned
- Salt Water Injection, Active
- Wells - Large Scale
- CO2, Plugged
- Gas, Temporarily Abandoned
- Oil, Active
- Salt Water Injection, Cancelled
- undefined
- CO2, Temporarily Abandoned
- Gas, Temporarily Abandoned
- Oil, Cancelled
- Salt Water Injection, New
- Miscellaneous
- Gas, Active
- Injection, Active
- Oil, New
- Salt Water Injection, Plugged
- CO2, Active
- Gas, Cancelled
- Injection, Cancelled
- Salt Water Injection, Temporarily Abandoned
- CO2, Cancelled
- Gas, New
- Injection, New
- Oil, Temporarily Abandoned
- Water, Active
- Injection, Plugged



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

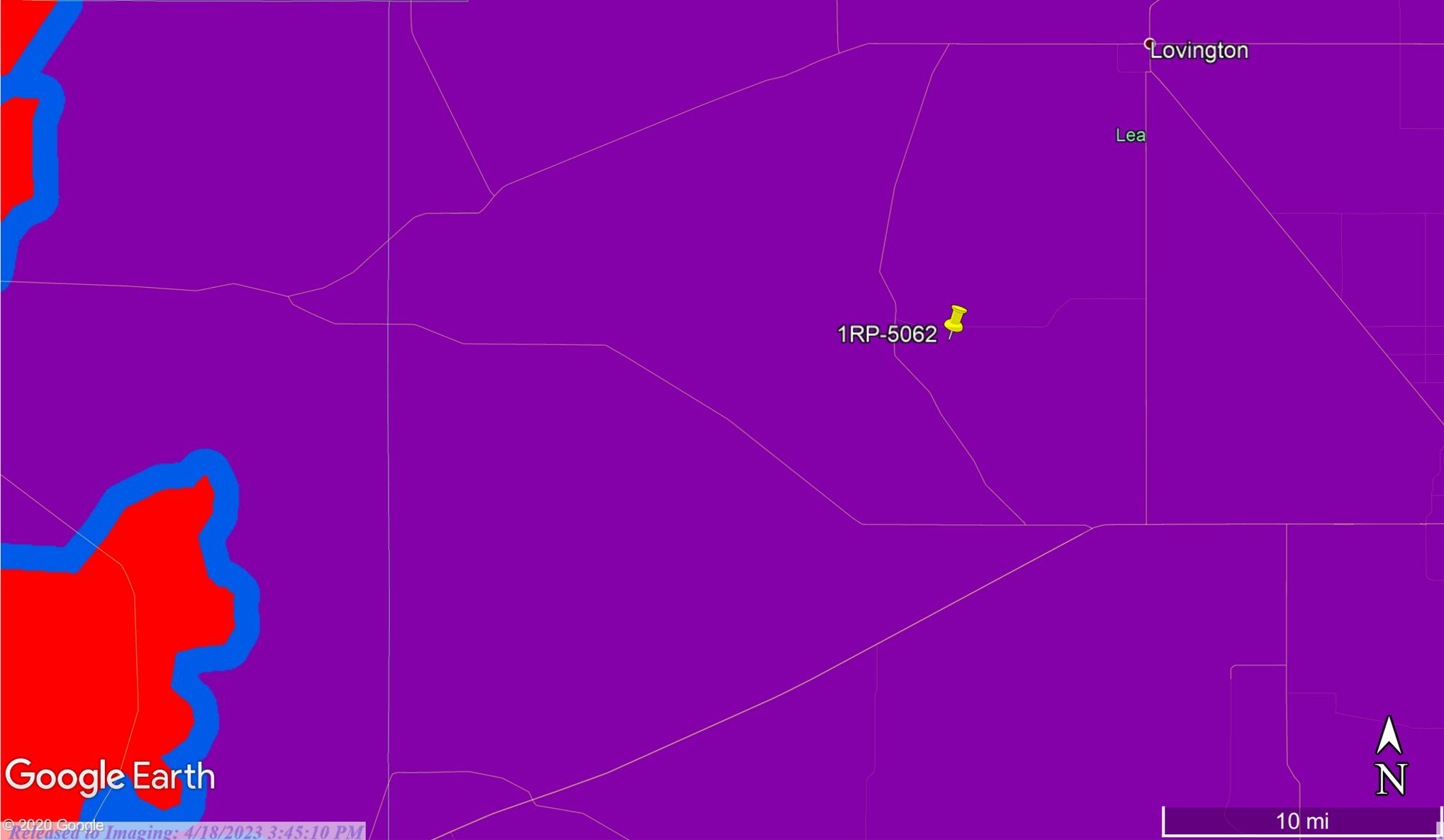
# KARST POTENTIAL MAP

1RP-5062



**Legend**

-  1RP-5062
-  High
-  Low
-  Medium



Google Earth

10 mi



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

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

(R=POD has been replaced, O=orphaned,

C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	WellDepth	Average Depth to Water	Water Column
<a href="#">L_04829 S5</a>	L	LE	64	16	4	33	17S	35E		643347	3629400*	302	220	90	130
<a href="#">L_04880</a>	L	LE	2	3	33	17S	35E			643757	3629002*	686	145	90	55

Average Depth to Water: **90 feet**

Minimum Depth: **90 feet**

Maximum Depth: **90 feet**

**Record Count: 2**

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

**Easting (X):** 643105.598

**Northing (Y):** 3629218

**Radius:** 800

\*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.

9/15/20 12:44 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

**ATTACHMENT C**  
**Photographic Documentation**



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east of excavation area.	1
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	04/17/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of excavation area.	2
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	04/17/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east of release area.	3
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing east of release area.	4
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020



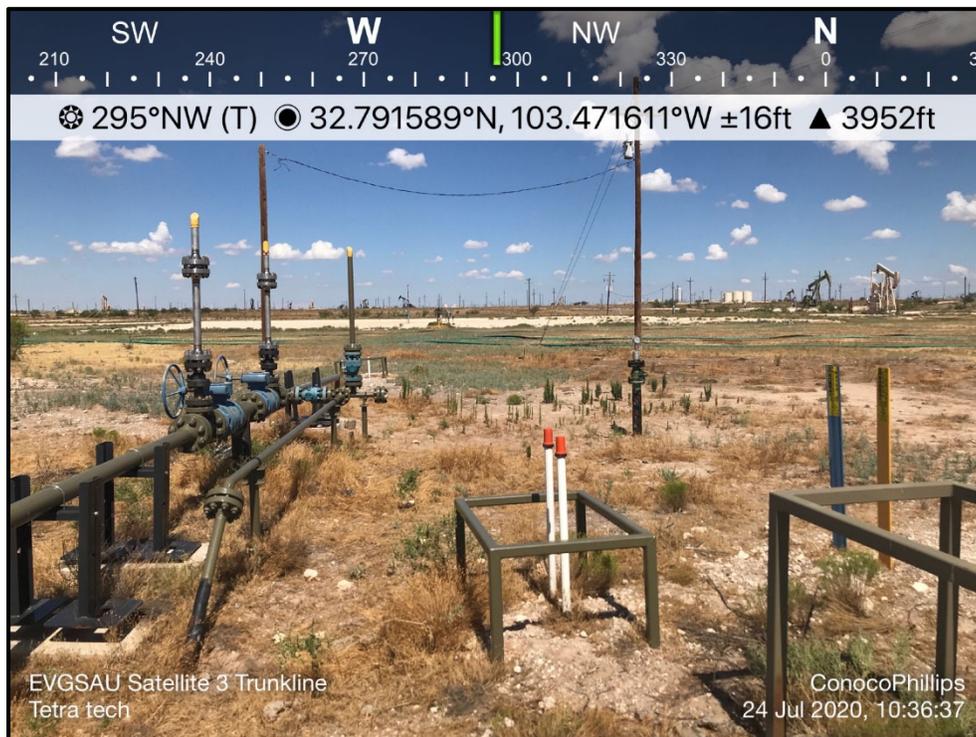
TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing northeast of release area.	5
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing southwest of release area.	6
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing south of release area.	7
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02152	DESCRIPTION	View facing west of above ground piping at release area.	8
	SITE NAME	EVGSAU Satellite 3 Trunk Line Release	7/24/2020

**ATTACHMENT D**  
**Laboratory Analytical Report**



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

---

May 08, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU SATELLITE 3

Enclosed are the results of analyses for samples received by the laboratory on 05/02/19 15:26.

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".

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:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #1 - WALL (H901592-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	05/06/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #2 - WALL (H901592-02)**

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	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	05/06/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 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:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #3 - WALL (H901592-03)**

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	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	05/06/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 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:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #1 - FLOOR (H901592-04)**

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	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	05/06/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 96.9 % 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:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #2 - FLOOR (H901592-05)**

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	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	05/06/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 95.8 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 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:	05/02/2019	Sampling Date:	05/01/2019
Reported:	05/08/2019	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 3	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY NM		

**Sample ID: #3 - FLOOR (H901592-06)**

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	05/06/2019	ND	2.04	102	2.00	1.10	
Toluene*	<0.050	0.050	05/06/2019	ND	2.12	106	2.00	1.22	
Ethylbenzene*	<0.050	0.050	05/06/2019	ND	2.00	99.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	05/06/2019	ND	6.18	103	6.00	1.52	
Total BTEX	<0.300	0.300	05/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	<16.0	16.0	05/06/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2019	ND	197	98.5	200	1.04	
DRO >C10-C28*	<10.0	10.0	05/03/2019	ND	224	112	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/03/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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

Company Name: ConocoPhillips  
 Project Manager: Justin Wright

Address: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88240  
 Phone #: 575-631-9092 Fax #: \_\_\_\_\_  
 Project Owner: \_\_\_\_\_

Project #: \_\_\_\_\_  
 Project Name: EVGSAU Satellite 3 Trunkline  
 Project Location: Lea County, NM  
 Sampler Name: Justin Wright

FOR LAB USE ONLY

**BILL TO**  
 P.O. #: \_\_\_\_\_  
 Company: COPC  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	Chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
<u>H901592</u>	<u>#1 - wall</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:15</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>#2 - wall</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:24</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>#3 - wall</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:28</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>#1 - floor</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:32</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>#2 - floor</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:36</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>#3 - floor</u>	<u>G</u>	<u>6</u>	<u>✓</u>								<u>5-1</u>	<u>1:41</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	

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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: 5-2-19  
 Time: 5:26 PM  
 Received By: [Signature]  
 Relinquished By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_

Temp. \_\_\_\_\_  
 Sample Condition: Cool  Intact   
 Delivered By: (Circle One) UPS  Bus  Other   
 -0.9°C #97  
 CHECKED BY: [Signature]  
 (Initials)  
 Phone Result:  No  Add'l Phone #: \_\_\_\_\_  
 Fax Result:  No  Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

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

**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 207598

**CONDITIONS**

Operator: Maverick Permian LLC 1111 Bagby Street Suite 1600 Houston, TX 77002	OGRID: 331199
	Action Number: 207598
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	4/18/2023