



February 10, 2020

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505
Hobbs, New Mexico, 88240

**Subject: Closure Letter Report
ConocoPhillips
1RP-4804
EVGSAU 2622-030 Valve Release
Lea County, New Mexico**

Mr. Billings:

On behalf of ConocoPhillips, Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg San Andres Unit (EVGSAU) 2622-030 well is located approximately 10.6 miles southeast of Lovington in Lea County, New Mexico (Figure 1). The well listed in the C-141 is API # 30-025-02879 and its coordinates are 32.807682, -103.4347153. According to the NMOCD, the well was plugged on June 13, 2016.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), on September 6, 2017 a Multi-Skill Operator (MSO) discovered a release from a Braden head valve that resulted in a loss of 5.57 barrels (bbl) of oil, impacting an area of approximately 600 ft x 40 ft x 0.25 ft (the Site). The approximate release area is indicated in Figure 1. The total affected area included the initial release area on and south of the well on the pad, as well as an overspray area that extended approximately 530 feet west-southwest of the well pad in the pasture. Immediate action was taken to stop the release and recover 0.25 bbl of oil, and immediate notice was given to the New Mexico Oil Conservation Division (NMOCD).

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, public or private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The Site is located in a low karst potential area. Based on data from the New Mexico Office of the State Engineer (NMOSE), there are two water wells located in Section 26, Township 17 South, and Range 35 East. The average depth to groundwater is 50 feet. The site characterization data is shown in Attachment B.

A risk-based evaluation was performed for the Site in accordance with the NMOCD to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil. Based on the site characterization, the RRALs for the Site are as follows:

Constituent	RRAL
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg

TETRA TECH

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

Tel 512-338-1667 Fax 512-338-1331 www.tetrattech.com

Bradford Billings
NMOCD
February 10, 2020

REMEDIAL ACTIVITIES

According to correspondence with ConocoPhillips, remedial activities involved excavating the affected areas of the well pad to 1 foot below ground surface (bgs) and scraping the surface of the impacted area in the pasture to approximately 1 inch bgs. To determine the success of the remedial activities, confirmation samples were collected on September 4, 2018 at five subsurface locations (SP-1 through SP-5) within the perimeter of the release area on the well pad. Three (3) soil samples were collected from each sampling location and analyzed for TPH by Environmental Protection Agency (EPA) Method 8015M, BTEX by EPA Method 8021B, and chlorides by EPA Method SM4500Cl-B. Additionally, ten surface soil confirmation samples were collected from the overspray area and analyzed for chlorides only. See Figure 1 for sample locations.

Thus, a total of twenty-five (25) samples were submitted to Cardinal Laboratories in Hobbs, NM on September 5, 2018. A copy of the laboratory analytical report is included in Attachment C. Analytical results from the September 4, 2018 confirmation sampling event were below the established RRALs for all constituents in all sample locations (Table 1).

SITE ASSESSMENT SUMMARY

At the request of ConocoPhillips, Tetra Tech personnel conducted a visual Site Assessment in October 2019 at the release area evaluate current conditions at the Site. The formerly impacted area was identified from the description in the C-141 (and correspondence with ConocoPhillips) and was corroborated by aerial imagery. This footprint (Figure 1) appears to coincide with the areas of remediation observed in the field. Photographic documentation from the visual assessment is included as Attachment D. A list of field observations describing the Site follow:

- No staining was noted at the point of release.
- Previously disturbed areas off the lease road were observed to contain uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels.

REVEGETATION

From review of recent aerial photography and the visual Site Assessment, 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. Established vegetation was observed in the overspray area west of the lease road (see Attachment D). The well pad and lease road area remain unvegetated by design.

CONCLUSION

Based on 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.

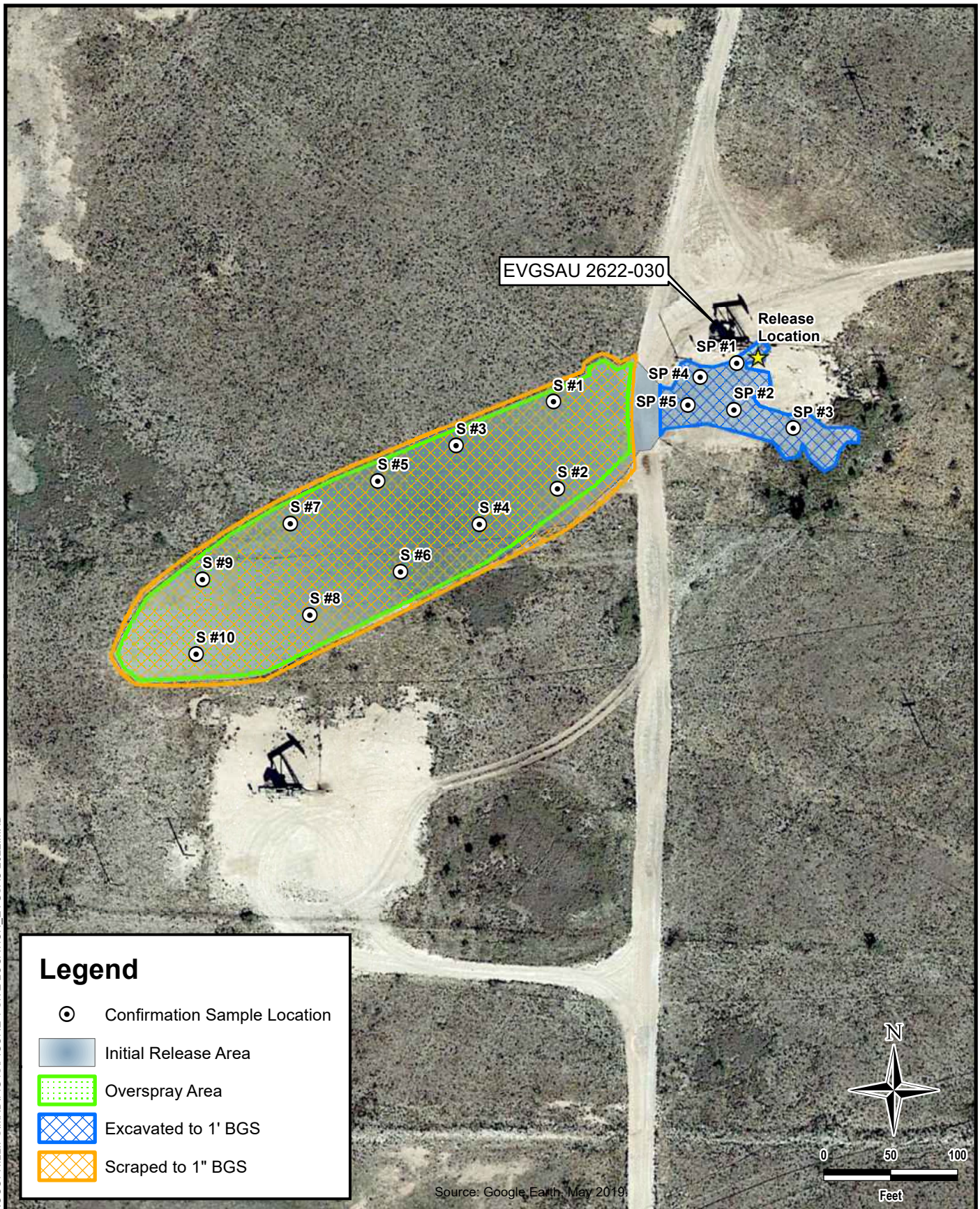
Sincerely,



Christian M. Llull
Project Manager
Tetra Tech, Inc.

TETRA TECH

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\FIG-1 SITE LOCATION EVGSAU 2622.MXD

**TETRA TECH**

www.tetrattech.com

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

CONOCOPHILLIPS

1RP-4804

(32.807682°, -103.434715°)

UNIT LETTER E, SECTION 26, TOWNSHIP 17S, RANGE 35E

**EVGSAU 2622-030 VALVE RELEASE
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-01796

DATE: DECEMBER 18, 2019

DESIGNED BY: AAM

Figure No.

1

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SOIL SAMPLES
EVGSAU 2622-030 VALVE RELEASE
1RP-4804
LEA COUNTY, NM

	Sample ID	Sample Date	Sample Interval	Chloride ¹	BTEX ²									TPH ³							
					Benzene		Toluene		Ethylbenzene		Xylene		Total BTEX	GRO		DRO		ORO		GRO + DRO	TPH (C ₆ - C ₃₆)
														C ₆ - C ₁₀		>C ₁₀ - C ₂₈		>C ₂₈ - C ₃₆		C6 - C28	
			ft. bgs	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
Initial Release Area (Well Pad)	SP-1	09/04/18	1	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			3	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			5	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
	SP-2	09/04/18	1	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			3	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			5	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
	SP-3	09/04/18	1	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			3	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			5	<16.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
	SP-4	09/04/18	1	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			3	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			5	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
	SP-5	09/04/18	1	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			3	32.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
			5	48.0	<0.050		<0.050		<0.050		<0.150		<0.300	<10.0		<10.0		<10.0		ND	ND
Overspray Area	SURFACE 1	09/04/18	0	<16.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 2	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 3	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 4	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 5	09/04/18	0	48.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 6	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 7	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 8	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 9	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS
	SURFACE 10	09/04/18	0	32.0	NS		NS		NS		NS		NS	NS		NS		NS		NS	NS

NOTES:

- ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

DRO Diesel Range Organics

GRO Gasoline Range Organics

ORO Oil Range Organics
- 1 Method SM4500Cl-B

2 Method 8260B

3 Method 8015M

ND Analyte Not Detected at or above the reporting limit

NS Not Sampled

ATTACHMENT A
C-141 Forms

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Cullen Rosine
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3133
Facility Name: EVGSAU 2622-030	Facility Type: Well
Surface Owner: State	Mineral Owner: N/A
API No. 30-025- 02879	

LOCATION OF RELEASE

Unit Letter E	Section 26	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	----------------------

Latitude 32.807682 Longitude -103.4347153

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5.57 BBL	Volume Recovered: 25 BBL
Source of Release: Braden head valve	Date and Hour of Occurrence 9-5-2017 2200	Date and Hour of Discovery 9-6-2017 0930
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu	
By Whom? Cullen Rosine	Date and Hour: 9-6-2017 1200 via email	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* N/A		

RECEIVED

By Olivia Yu at 2:58 pm, Sep 14, 2017

Describe Cause of Problem and Remedial Action Taken. - MSO discovered a release from a Braden head valve that resulted in 5.57 BO lost with .25 BBL recovered. Spill site will be remediated per NMOCD guidelines

Describe Area Affected and Cleanup Action Taken. *
Area 1 - 600' X 40' X .25"

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>		OIL CONSERVATION DIVISION	
Printed Name: Cullen Rosine		Approved by Environmental Specialist: <i>gy</i>	
Title: HSE Specialist	Approval Date: 9/14/2017	Expiration Date:	
E-mail Address: Cullen.J.Rosine@conocophillips.com	Conditions of Approval: see attached directive		Attached <input checked="" type="checkbox"/>
Date: 9-8-2017	Phone: 575-391-3133		

* Attach Additional Sheets If Necessary

1RP-4804

nOY1725753975

pOY1725754236

Incident ID	
District RP	
Facility ID	
Application ID	

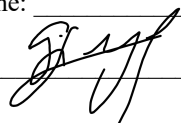
Closure

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

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

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

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

Printed Name: _____ Title: _____
Signature:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  _____ Date: 11/28/2022

Printed Name: Brittany Hall Title: Environmental Specialist

ATTACHMENT B
Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04881	L	LE		1	3	26	17S	35E	646556	3630644*		137	50	87
L 04951	L	LE		2	2	26	17S	35E	647851	3631560*		137	50	87

Average Depth to Water: **50 feet**

Minimum Depth: **50 feet**

Maximum Depth: **50 feet**

Record Count: 2

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 26

Township: 17S

Range: 35E

*UTM location was derived from PLSS - see Help

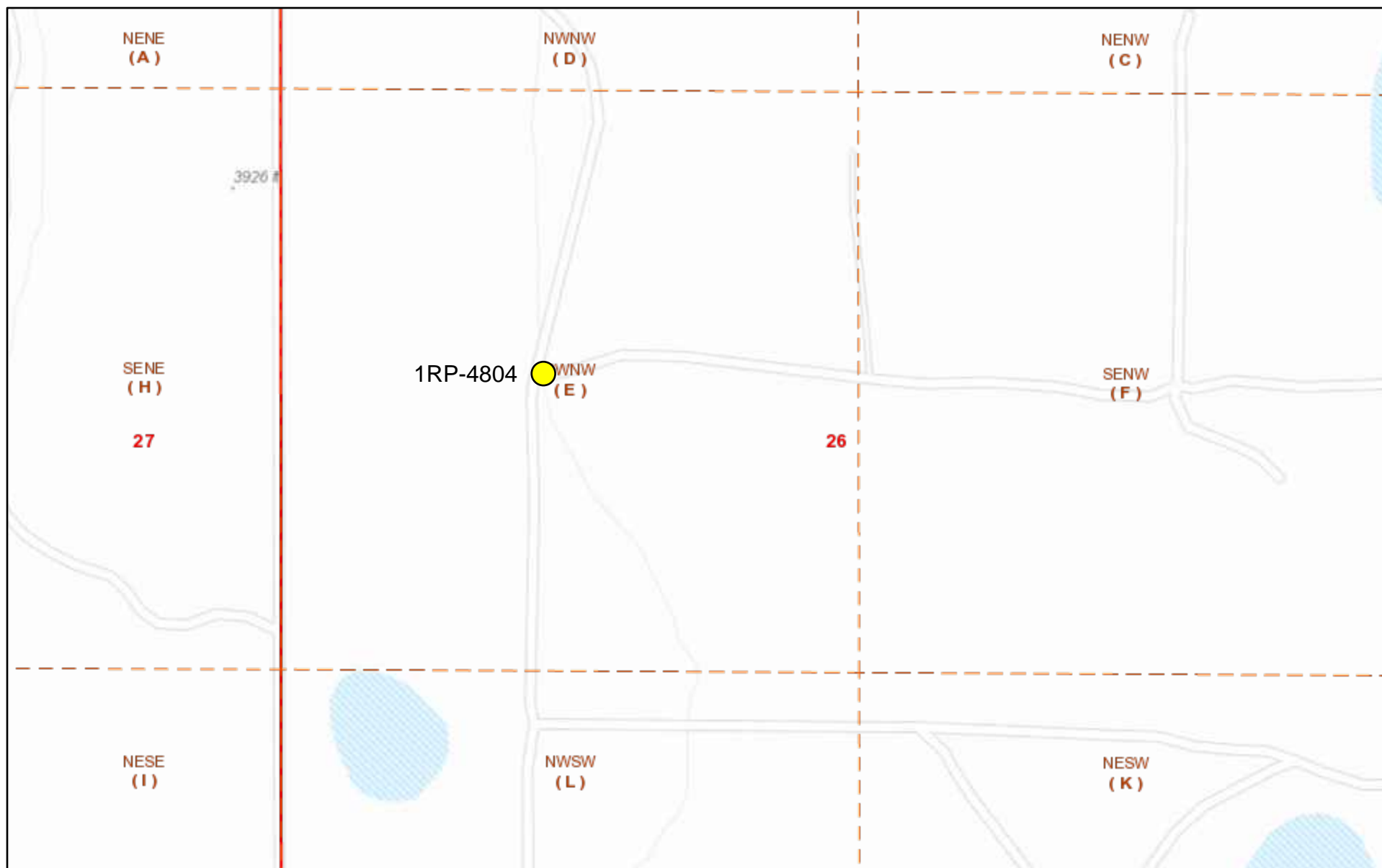
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/7/19 11:19 AM

Page 1 of 1

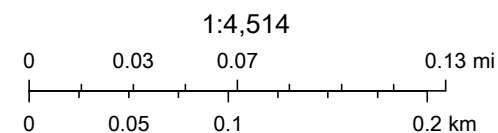
WATER COLUMN/ AVERAGE
DEPTH TO WATER

Water Bodies



12/18/2019, 8:43:41 AM

- | | | | | | |
|--|----------------------|--|----------------------|--|----------------------|
| | OCD Districts | | PLSS Second Division | | PLJV Probable Playas |
| | OCD District Offices | | PLSS Townships | | OSE Streams |
| | PLSS First Division | | OSE Water-bodies | | |







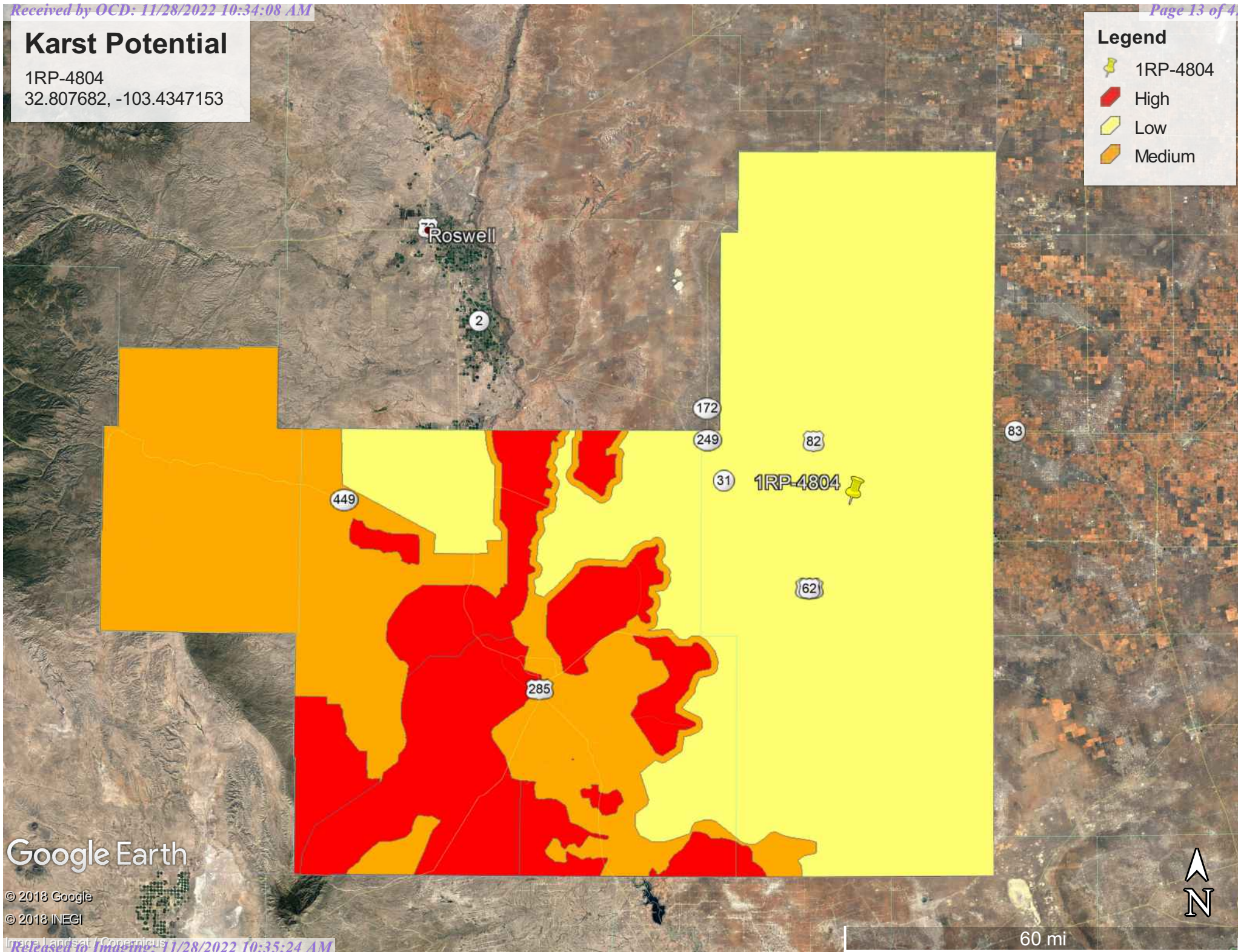
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

New Mexico Oil Conservation Division
 NM OCD Oil and Gas Map. <http://nm-ennrd.maps.arcgis.com/apps/webappviewer/>: New Mexico Oil Conservation Division

Karst Potential

1RP-4804
32.807682, -103.4347153

- Legend**
-  1RP-4804
 -  High
 -  Low
 -  Medium



Google Earth

© 2018 Google
© 2018 INEGI

60 mi

ATTACHMENT C

Laboratory Analytical Report



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

September 06, 2018

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU 2622-030

Enclosed are the results of analyses for samples received by the laboratory on 09/05/18 10:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #1 - 1' (H802508-01)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #1 - 3' (H802508-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTX	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

Cardinal Laboratories

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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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #1 - 5' (H802508-03)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #2 - 1' (H802508-04)

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	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTEX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 96.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #2 - 3' (H802508-05)

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	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTEX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 98.4 % 41-142

Surrogate: 1-Chlorooctadecane 89.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Conoco Phillips - Hobbs
 JUSTIN WRIGHT
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 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #2 - 5' (H802508-06)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	201	101	200	2.18	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	198	99.1	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 98.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Conoco Phillips - Hobbs
 JUSTIN WRIGHT
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 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #3 - 1' (H802508-07)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTEX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 95.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #3 - 3' (H802508-08)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTEx	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/05/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/05/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/05/2018	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #3 - 5' (H802508-09)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTX	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Conoco Phillips - Hobbs
 JUSTIN WRIGHT
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 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #4 - 1' (H802508-10)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTEx	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 89.9 % 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
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 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #4 - 3' (H802508-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTEX	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 111 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #4 - 5' (H802508-12)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTEX	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 97.4 % 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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #5 - 1' (H802508-13)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTEx	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #5 - 3' (H802508-14)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69	
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95	
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69	
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58	
Total BTEx	<0.300	0.300	09/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 95.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #5 - 5' (H802508-15)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/05/2018	ND	2.10	105	2.00	3.69		
Toluene*	<0.050	0.050	09/05/2018	ND	1.98	99.1	2.00	3.95		
Ethylbenzene*	<0.050	0.050	09/05/2018	ND	1.97	98.7	2.00	3.69		
Total Xylenes*	<0.150	0.150	09/05/2018	ND	6.00	100	6.00	3.58		
Total BTEx	<0.300	0.300	09/05/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/06/2018	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2018	ND	204	102	200	0.544	
DRO >C10-C28*	<10.0	10.0	09/06/2018	ND	211	106	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2018	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 99.1 % 37.6-147

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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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SURFACE #1 (H802508-16)

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	09/06/2018	ND	416	104	400	0.00		

Sample ID: SURFACE #2 (H802508-17)

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	09/06/2018	ND	416	104	400	0.00		

Sample ID: SURFACE #3 (H802508-18)

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	09/06/2018	ND	416	104	400	0.00		

Sample ID: SURFACE #4 (H802508-19)

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	09/06/2018	ND	416	104	400	0.00	

Sample ID: SURFACE #5 (H802508-20)

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	09/06/2018	ND	400	100	400	3.92	

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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: 09/05/2018
 Reported: 09/06/2018
 Project Name: EVGSAU 2622-030
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 09/04/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SURFACE #6 (H802508-21)

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	09/06/2018	ND	400	100	400	3.92		

Sample ID: SURFACE #7 (H802508-22)

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	09/06/2018	ND	400	100	400	3.92		

Sample ID: SURFACE #8 (H802508-23)

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	09/06/2018	ND	400	100	400	3.92	

Sample ID: SURFACE #9 (H802508-24)

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	09/06/2018	ND	400	100	400	3.92	

Sample ID: SURFACE #10 (H802508-25)

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	09/06/2018	ND	400	100	400	3.92	

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>ConocoPhillips</u>		P.O. #:	
Project Manager: <u>Justin Wright</u>		Company: <u>ConocoPhillips</u>	
Address:		Attn:	
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Address:	
Phone #: <u>575-431-9092</u> Fax #:		City:	
Project #:		State:	
Project Name: <u>EV654U 0623-030</u>		Zip:	
Project Location: <u>Lea County, NM</u>		Phone #:	
Sample Name: <u>Justin Wright</u>		Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D.		ANALYSIS REQUEST	
<u>H802508</u>			
11 SP#4-3' (G)RAB OR (C)OMP.			
12 SP#4-5' # CONTAINERS			
13 SP#5-1' GROUNDWATER			
14 SP#5-3' WASTEWATER			
15 SP#5-5' SOIL			
16 Surface #1 OIL			
17 Surface #2 SLUDGE			
18 Surface #3 OTHER:			
19 Surface #4 ACID/BASE:			
20 Surface #5 ICE / COOL			
		OTHER:	
DATE		TIME	
9-4-18 11:00		✓	
9-4-18 11:05		✓	
9-4-18 11:15		✓	
9-4-18 11:20		✓	
9-4-18 11:30		✓	
9-4-18 8:00		✓	
9-4-18 8:10		✓	
9-4-18 8:15		✓	
9-4-18 8:25		✓	
9-4-18 8:35		✓	
Relinquished By: <u>[Signature]</u>		Relinquished By: <u>[Signature]</u>	
Date: <u>9-5-18</u>		Date: <u>9-5-18</u>	
Time: <u>10:58 AM</u>		Time: <u>10:58 AM</u>	
Received By: <u>[Signature]</u>		Received By: <u>[Signature]</u>	
Delivered By: (Circle One) <u>-8.60c/#97</u>		Sample Condition	
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Checked By: <u>[Signature]</u>	
Bus - Other: <u>-8.60c/#97</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:		REMARKS: <u>RUSH!!</u>	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

ATTACHMENT D
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of formerly impacted release area on well pad, facing southeast. Site Coordinates: 32.807752, -103.434562	1
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of plugged well and formerly impacted release area on well pad, facing southwest.	2
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of the formerly impacted release area on well pad and lease road, facing east. Adjacent well (API: 30-025-26376) in background.	3
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of the formerly impacted release area on well pad, facing west. Lease road and adjacent well (API: 30-025-20526) in background.	4
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of formerly impacted release area on well pad and plugged well from the west-adjacent access road west, facing northeast.	5
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of the formerly impacted over spray area from the access road west of the well pad, facing northwest.	6
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019



TETRA TECH, INC. PROJECT NO. 212C-MD-01796	DESCRIPTION	View of established vegetation in the formerly affected over spray area from west of the access road, facing west. Adjacent well (API: 30-025-20526) in background.	7
	SITE NAME	EVGSAU 2622-030 Valve Release	10/24/2019

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
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Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 161544

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 161544
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	11/28/2022