Received by OCD: 6/17/2025 12:21:00 PM       State of New Mexico         Energy Minerals and Natural Resources       Revised C         Department Oil Conservation Division       1220 South St. Francis Dr.         Santa Fe, NM 87505       https://www.emnrd.nm.gov/ocd/ocd-e-permitting/	<b>Page 1 of 49</b> Form C-147 Detober 11, 2022
<b>Recycling Facility and/or Recycling Containment</b>	
Type of Facility:       Image: Construction of the second se	Dnly
* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface own	ner.
Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance	
1.       Operator:       ConocoPhillips Company         Address:       PO Box 2197 Houston TX 77252	
Facility or well name (include API# if associated with a well): Zia HIlls Superman AST Containments #1 and #2         OCD Permit Number: <a href="https://www.inclustor.com">1RF-454</a> (For new facilities the permit number will be assigned by the district office)         U/L or Qtr/Qtr       Section 30       Township 26S       Range 32E       County: Lea         Surface Owner:        Federal State Private Tribal Trust or Indian Allotment	
2.  2.  2.  2.  2.  2.  2.  2.  2.  2.	
groundwater or surface water.	
✓ Fluid Storage	
Above ground tanks 🛛 Recycling containment 🗌 Activity permitted under 19.15.17 NMAC explain type	
Activity permitted under 19.15.36 NMAC explain type: Other explain	
For multiple or additional recycling containments, attach design and location information of each containment	
Closure Report (required within 60 days of closure completion): Recycling Facility Closure Completion Date:	
3.	
<u>Recycling Containment</u> : Superman ASTs #1 and #2	
Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)	
Center of Recycling Containment (if applicable): Latitude <u>32.014527</u> Longitude <u>-103.714621</u> NAD83	
For multiple or additional recycling containments, attach design and location information of each containment	
Lined Liner type: Thickness 40 p 40 s mil LLDPE HDPE PVC Other See design sketch of Volume 2 April 202	20
String-Reinforced #1= 10 K #2 = 40K Total = 50 K bbl	
Liner Seams: 🛛 Welded 🗋 Factory 🗋 Other Volume:bbl Dimensions: L x W	_ x D
Recycling Containment Closure Completion Date: See Design Dra	wings March 2020

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#### **Bonding:**

4.

Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or

#### operated by the owners of the containment.)

Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$\_\_\_\_\_ (work on these facilities cannot commence until bonding

#### amounts are approved)

Attach closure cost estimate and documentation on how the closure cost was calculated.

#### Fencing:

5.

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify Game Fence

#### 6. Signs:

7.

☑ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

#### Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

 $\checkmark$  Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation. Variances in Volume 2 April 2020 submission

#### Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

#### **General siting**

Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes 🛛 No □ NA
<ul> <li>Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; written approval obtained from the municipality</li> </ul>	☐ Yes ☑ No ☐ NA
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division</li> </ul>	🗌 Yes 💋 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; topographic map</li> </ul>	🗌 Yes 🛛 No
Within a 100-year floodplain. FEMA map	🗌 Yes 🔽 No
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; aerial photo; satellite image</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.</li> <li>NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗹 No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🛛 No

<ul> <li>9.</li> <li><u>Recycling Facility and/or Containment Checklist:</u> <i>Instructions: Each of the following items must be attached to the application.</i> <ul> <li>Design Plan - based upon the appropriate requirements.</li> <li>Operating and Maintenance Plan - based upon the appropriate requirement</li> <li>Closure Plan - based upon the appropriate requirements.</li> <li>Site Specific Groundwater Data -</li> <li>Siting Criteria Compliance Demonstrations –</li> <li>Certify that notice of the C-147 (only) has been sent to the surface ow</li> </ul> </li> </ul>	nts. Not required for closure request
10.         Operator Application Certification:         I hereby certify that the information and attachments submitted with this applic         Name (Print):         Timothy Reed         Signature:         e-mail address:         timothy.reed@conocophillips.com	ation are true, accurate and complete to the best of my knowledge and belief
11.       OCD Representative Signature:       Victoria Venegas         Environmental Specialist	Approval Date: 06/23/2025 OCD Permit Number: 1RF-454

### R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Since 1996

June 10, 2025

Ms. Leigh Barr EMNRD - Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505 Via E-Mail Ms. Victoria Venegas NMOCD - District 2 811 S. First St. Artesia, NM 88210 Via E-Mail

RE: ConocoPhillips – Closure Report 2RF-454 AST #1 and AST #2 Section 30, T26S, R32E, Lea County 1RF-454

Dear Ms. Barr and Ms. Venegas:

On behalf of ConocoPhillips Company, R.T. Hicks Consultants is pleased to submit this Closure Report for the referenced project. Sample results demonstrate that the liners did not release fluid. Sample results are a fraction of the Table 1 limits. This submission requests closure of AST #1 and AST #2.

The C-147 requesting closure of AST #1 & #2 will be uploaded by ConocoPhillips separately.

This closure report is required by NMOCD Rule 34, which is reproduced below for the benefit of ConocoPhillips with *emphasis* added.

## 19.15.34.14 CLOSURE AND SITE RECLAMATION REQUIREMENTS FOR RECYCLING CONTAINMENTS:

**A.** Once the operator has ceased operations, <u>the operator shall remove all fluids within 60 days and</u> <u>close the containment within six months from the date the operator ceases operations from the</u>

*containment for use.* The division district office may grant an extension for the removal of all fluids not to exceed two months. The division district office may grant an extension to close the containment not to exceed six months. If the operator wants to use the containment for a purpose other than recycling then the operator must have that use approved or permitted by the division in accordance with the appropriate rules.

**B.** The operator shall close a recycling containment by first removing all fluids, contents and synthetic liners and transferring these materials to a division approved facility.

C. <u>The operator shall test the soils beneath the containment for contamination with a five-point</u> <u>composite sample which includes stained or wet soils, if any, and that sample shall be analyzed for</u> <u>the constituents listed in Table I below</u>.

(1) If any contaminant concentration is higher than the parameters listed in Table I, the division may require additional delineation upon review of the results and the operator must receive approval before proceeding with closure.

(2) If all contaminant concentrations are less than or equal to the parameters listed in Table I, then the operator can proceed to backfill with non-waste containing, uncontaminated, earthen material.

**D.** Within 60 days of closure completion, the operator shall <u>submit a closure report on form C-147</u>, including required attachments, to document all closure activities <u>including sampling results</u> and the details on any backfilling, capping or covering, where applicable. The closure report shall certify that all information in the report and attachments is correct and that the operator has complied with all applicable closure requirements and conditions specified in division rules or directives.

Jun 10, 2025 Page 2

Laboratory reports are Appendix A. A copy of the OCD approval is Appendix B. A description of the sampling protocol and photographs of sampling are in Appendix C.

The results of closure sampling are presented below. Because the depth to groundwater as provided in the approved permit application is more than 210 feet (page 22 of 67 of Siting Criteria Demonstration, December 2022), we used the appropriate Table 1 remediation standards for a depth to groundwater greater than 100 feet.

South Station	Sama	e Depth	ter C	20 78	0 4	1 DRO ibe	Sand Location	Samp	Deather Deather	640	770	AND	20 Chiefe
С	0-4	0.3	10	10	10	48	С	0-4	0.3	10	10	10	64
С	4.25	0.3	10	10	10	32	C	4.25	0.3	10	10	10	48
N	0-4	0.3	10	10	10	16	N	0-4	0.3	10	10	10	32
N	4.25	0.3	10	10	10	16	N	4.25	0.3	10	10	10	96
S	0-4	0.3	10	10	10	80	S	0-4	0.3	10	10	10	465
S	4.25	0.3	10	10	10	16	S	4.25	0.3	10	10	10	688
E	0-4	0.3	10	10	10	48	E	0-4	0.3	10	10	10	16
Е	4.25	0.3	10	10	10	16	Е	4.25	0.3	10	10	10	16
W	0-4	0.3	10	10	10	48	W	0-4	0.3	10	10	10	32
W	4.25	0.3	10	10	10	16	W	4.25	0.3	10	10	10	32
Method Reporting Limit							Method Reporting Limit						
Average (5 pt Comp)	0-4	0.3	10	10	10	48	Average (5 pt Comp)	0-4	0.3	10	10	10	121.8
Average (5 pt Comp)	4.25					19.2	Average (5 pt Comp)	4.25					176
Standard Deviation	0-4					20.2	Standard Deviation	0-4					172.3
Standard Deviation	4.25					20.2	Standard Deviation	4.25					241.2
Table 1 Limit		50		2500		20000	Table 1 Limit		50		2500		20000

If you or OCD representatives have any questions regarding this closure report, please contact me.

Sincerely, R.T. Hicks Consultants

Randall T. Hicks PG Principal

Copy: Cascade Services

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### APPENDIX A LABORATORY REPORTS AST #1 AST #2



May 08, 2025

AARON GARCIA FLEX OILFIELD SERVICES LLC PO BOX 1320 HOBBS, NM 88240

**RE: CASCADE SERVICES** 

Enclosed are the results of analyses for samples received by the laboratory on 05/07/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

#### Analytical Results For:

		FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	_C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras

#### Sample ID: AST CENTER #1 0-4' (H252733-01)

SUPERMAN AST 1

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
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	05/08/2025	ND	464	116	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	105	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	109	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

#### Analytical Results For:

		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST CENTER #1 4.25' (H252733-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
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	05/08/2025	ND	464	116	400	10.9	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	111 9	40.6-15	3						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST NORTH #1 0-4' (H252733-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
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	05/08/2025	ND	464	116	400	10.9	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	98.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.9	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST NORTH #1 4.25' (H252733-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	118 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	122 9	40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST SOUTH #1 0-4' (H252733-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	118 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	121 9	40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST SOUTH #1 4.25' (H252733-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	121 9	% 40.6-15	· •						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST EAST #1 0-4' (H252733-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	103	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	105	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST EAST #1 4.25' (H252733-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	116 %	40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST WEST #1 0-4' (H252733-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	87.9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	89.7	% 40.6-15	3						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LI	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST WEST #1 4.25' (H252733-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
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	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	121 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	124 9	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 6/23/2025 9:56:20 AM

#### Received by OCD: 6/17/2025 12:21:00 PM

	snm.com	keene@cardinallabsnm.com	to celey.keene	Please email changes	Construction of the second verbal changes Please email changes to celev.	Destinal connor	53	00 N 3.0 02/12/	FORM-0
Corrected Temp. °C	Ves Yes	24	Thermometer ID #140 Correction Factor +0.3°C			Corrected Temp. °C		Sampler - UPS - Bus - Other:	Sampler - UPS
Bacteria (only) Sample Condition Cool Infact Observed Temp. °C	Cool Intact	Standard Rush	Turnaround Time:	CHECKED BY: Turnary (Initials)	le Condition	Observed Temp. °C	Observed	(Circle One)	Delivered By: (Circle One)
							Time:		
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	Add'I Phone #		erwise.	any of the above stated reasons or oth	survisors or warms income and the set of the	nages, including without limita hereunder by Cardinal, regai	incidental or consequental dan	shall Cardinal be liable for incidental or co	service. In no event shall
			of the applicable	Cardinal within 30 days after completion	ent's exclusive remedy for any claim ansity wirelier based in writing and received by Cardinal within 30 days after completion of the applicable cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	oever shall be deemed waiv	Cardinal's liability and client's excluse regligence and any other cause what	and Damages. Cardinution those for negliger	PLEASE NOTE: Liability and Damages. Cardinal's liability and clinerate and the service and any other
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					City: / tale s	Project Owner:			Project #:
				Address: PO & 0x 1320	Address:		35/ Fax #:	)299-035	Phone #:57
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	- 	×.			P.O. #:		( int	34	Project Manager:
	ANALYSIS KEWUESI			BILL TO		24)10	do Services	- 1	Company Name:
101						393-2476	(575) 393-2326 FAX (575) 393-2476	(575) 393-	
						M 88240	when a Hopke	In Foot Mo	

Page 19 of 49

Page 13 of 13



May 08, 2025

AARON GARCIA FLEX OILFIELD SERVICES LLC PO BOX 1320 HOBBS, NM 88240

**RE: CASCADE SERVICES** 

Enclosed are the results of analyses for samples received by the laboratory on 05/07/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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. Keine

Celey D. Keene Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received: Reported: Project Name:	05/07/2025 05/08/2025 CASCADE SERVICES		Sampling Date: Sampling Type: Sampling Condition:	05/07/2025 Soil Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras

#### Sample ID: AST CENTER #2 0-4' (H252734-01)

SUPERMAN AST 1

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/08/2025	ND	416	104	400	3.77	
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	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	91.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	94.4	% 40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	F	LEX OILFIELD SERVICES LI	_C	
	A	ARON GARCIA		
	Р	PO BOX 1320		
	н	HOBBS NM, 88240		
	F	ax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST CENTER #2 4.25' (H252734-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/08/2025	ND	416	104	400	3.77	
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	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	115 9	40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	A4 PC HC	LEX OILFIELD SERVICES LL ARON GARCIA O BOX 1320 OBBS NM, 88240 ax To:	С	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST NORTH #2 0-4' (H252734-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	416	104	400	3.77	
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	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	106 9	40.6-15	3						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

#### Analytical Results For:

	ρ P H	FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST NORTH #2 4.25' (H252734-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/08/2025	ND	416	104	400	3.77	
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	05/08/2025	ND	186	92.8	200	0.641	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	180	89.8	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	109 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	111 9	40.6-15	3						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	ρ P H	FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST SOUTH #2 0-4' (H252734-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	0.455	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.4	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	110 9	40.6-15	3						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LI	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST SOUTH #2 4.25' (H252734-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	99.6	% 40.6-15	3						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	, F	FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.c	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST EAST #2 0-4' (H252734-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	110 9	40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES L	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
<b>D</b> · · ·	0.5 /0.7 /0.0.7			0= (0= (0.00=
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST EAST #2 4.25' (H252734-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	106 9	40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



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

#### Analytical Results For:

		FLEX OILFIELD SERVICES LL AARON GARCIA PO BOX 1320 HOBBS NM, 88240 Fax To:	.C	
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST WEST #2 0-4' (H252734-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/07/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/07/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	107 9	% 40.6-15	3						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		FLEX OILFIELD SERVICES LI	LC	
		AARON GARCIA		
		PO BOX 1320		
		HOBBS NM, 88240		
		Fax To:		
<b>D</b> · · ·	0 - 10 - 10 00 -			0= /0= /000=
Received:	05/07/2025		Sampling Date:	05/07/2025
Reported:	05/08/2025		Sampling Type:	Soil
Project Name:	CASCADE SERVICES		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Alyssa Parras
Project Location:	SUPERMAN AST 1			

#### Sample ID: AST WEST #2 4.25' (H252734-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.21	110	2.00	0.995	
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	117	2.00	0.417	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.23	112	2.00	0.0241	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.376	
Total BTEX	<0.300	0.300	05/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	110 9	40.6-15	3						

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Celey D. Keene, Lab Director/Quality Manager



#### **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 SM4500CI-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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 13 of 13

Received by	<i>OCD</i> :	6/17/2025	12:21:00 PM	
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Of East Markind, Hobbs, MM 8230     BILL TO     AMALYSIS     AMALYSIS     Recursify       Company Nume:     C_SCL, dL     Sclub (SL)     F0.8     F0.8     F0.8       Project Manage:	Aborrator     But ro       corrator     corrator       corrator     co		Thermometer ID #140 Correction Factor +0.3°C Drug		Corrected Temp. °C	UPS - Bus - Other:	Sampler - UPS -	
International (1)     State (1)     <	ADORATORIES       Inite Task Mariand, Hoobs, NM 82240 (575) 393-2326 FAX (555) 383-82476 (575) 393-2326 FAX (555) 383-82476 (575) 393-2326 FAX (555) 383-82476 State: ///// State: ////////////////////////////////////	Bacteria (only) Sa		Sample Condition	Time:	But ICitado Opol		
International Constraints     Bill TO       (575) 393-2326     FAX (575) 393-2476       (575	aborratorries     state: Mariand, Hobbs, NM 88240       (b7) 393-2376     FAX (57) 393-2476       (c5) 393-2376     FAX (57) 393-2476       (c5) 393-2376     FAX (57) 393-2476       (c5) 404     Struit:       Project Owner:     State: MA 210: 80-24       State: Mariand, Hobbs     Marrix       Project Owner:     State: MA 210: 80-24       State: Mariand, Hobbs     Project Owner:       State: Mariand, Hobbs     State: Mariand, Hobbs       Project Owner:     State: Mariand, Hobbs       State: Mariand, Hobbs     Marrix       Fax #:     Project Owner:       State: Mariand, Hobbs     Fax #:       Sample I.D.     Order Marian       Sate: Mariand, Hobbs     Order Marian       Ast Call     Order Ma	Ir Erthicks consult		lug)	Open	hed By:	Relinquis	
Inter Mariand, Hobbs, NM 88240       BILL TO     ANALYSIS       Company: Ells, Olihudson, State: IVIA: ZIP: BD-YO     ANALYSIS       A. OX, I.3. LD     State: IVIA: ZIP: BD-YO     Address: PO.5.0(L)     Company: Ells, Olihudson, Address: PO.5.0(L)     Address: PO.5.0(L)     Address: PO.5.0(L)     Address: PO.5.0(L)     Address: PO.5.0(L)     Address: PO.5.0(L)     Address: PO.5.0(L)     Tompany: Ells, Olihudson, Address: PO.5.0(L)     Tompany: Ells	abor rator ries       Bill rol         Iori East Marland, Hobbs, NM 88240       BILL rol         (575) 393-2326       FAX (575) 393-2476 $Acrab       Current       BILL rol         Acrab       Current       Company: Flux 01/4         B OX 13 10       State: N/A       Zip: 80240       Attm: Acrab Current         Acrab       Current       Company: Flux 01/4       Company: Flux 01/4         B OX 13 10       State: N/A       Zip: 80240       Attm: Acrab Current       Address: PO & 0/4/13         Cost code       Scould Scould       Company: Flux 01/4       Inter Acrab Current       Romany: Flux 01/4         Cost code       Scould Sc$	e provide Email address: Elyo I Field scrupco	Verbal Result:  Verbal Result:  Verbal Results are emailed.  Please			hed By:	Relinquis	
BILL TO     ANALYSIS       GSS Cacle     State: NJA     State: NJA     Colspan="2">Company: Els, Olthulton, Address: PO & OK       2. OX 13 D     State: NJA     Tip:     BULL TO     Antr: Factor     Company: Els, Olthulton, Address: PO & OK     Antr: State: NJA       2. OX 13 D     State: NJA     Tip:     BVU     Antr: Factor     Classical     Antr: Factor     Antr: Factor     Classical       3. OX 13 D     Fax #:     Origination (Top:     Pole:     State: AJA     Zip:     BVU     Antr: Factor     Classical       3. OX 13 D     Fax #:     Company: Els, Olthulton, Address: PO & OK 3DU     Pole:     BVU     Antr: Factor     Classical     Pole:	aborratories     Bill to       101 East Mariand, Hobbs, NM 88240     5753 393-2276       (575) 393-2326 FAX (575) 393-2476     P.O. #       202 Cade     State://IA       202 Cade     State:/IA       202 Cade     State:/IA       203 Cade     State:/IA       203 Cade     State:/IA       204 Cade     State:/IA       204 Cade     State:/IA       205 Cade     State:/IA       204 Cade     State:/IA <td></td> <td></td> <td>ved unless made in writing and received by Cardinal within 30 days arter tation, business interruptions, loss of use, or loss of profits incurred by cl ardless of whether such claim is based upon any of the above stated reg</td> <td>ind any other cause whatsoever shall be deemed wa antal or consequental damages, including without lin performance of services hereunder by Cardinal, re</td> <td>ims including those for negligence an rent shall Cardinal be liable for incider incider solution out of or related to the u</td> <td>analyses. All clair service. In no evi</td>			ved unless made in writing and received by Cardinal within 30 days arter tation, business interruptions, loss of use, or loss of profits incurred by cl ardless of whether such claim is based upon any of the above stated reg	ind any other cause whatsoever shall be deemed wa antal or consequental damages, including without lin performance of services hereunder by Cardinal, re	ims including those for negligence an rent shall Cardinal be liable for incider incider solution out of or related to the u	analyses. All clair service. In no evi	
IOT East Mariand, Hobbs, NM 88240       (FTS) 393-2326     FAX (STG) 393-2476     POL #       Cost (a) Contract     State:/I/A     PO. #       Cost (a) Contract     State:/I/A     Company:     Fill 10       Sox (3) Cost     Fax #:     Company:     Fill (b)	BDOFATOFIES         Initiant       Holds, NM 88240         (576) 393-2326       FAX (575) 393-2476         Costade       Struites       Project Owner:       BILL TO         Aaron (aron		by the client for the	ing whether based in contract or tort, shall be limited to the amount paid	ability and client's exclusive remedy for any claim ar	Liability and Damages. Cardinal's lia	PLEASE NOTE:	
IOT East Marland, Hobbs, NM 88240       (gr5) 393-2326     FAX (G76) 393-2476     PIL TO     ANALYSIS       Cost Gold     Statte: NIA     Ip: 80740     Anti: Act full Group     Company: File Oilfull/Son       A OX 13 LO     Statte: NIA     Ip: 80740     Anti: Act full Group     Anti: Act full Group       A OX 13 LO     Statte: NIA     Ip: 80740     Anti: Act full Group     Anti: Act full Group       A OX 13 LO     Fax #:     Address: PO SOK13 LO     Address: PO SOK13 LO     Address: PO SOK13 LO       Project Owner:     Fax #:     Address: PO SOK13 LO     Address: PO SOK13 LO     Fax #:       Sample I.D.     GROUNDWATER     Inhone #: 577 391-0351     Fax #:     Ip: 80240       Ast full     AST Could     AST Fould     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S.     Ip: 80240     Ip: 80240     Ip: 80240       Ast full     U.S. <td< td=""><td>aboratories     Initiation       Initiation     Initiation       Initiation<!--</td--><td></td><td>H:45AM</td><td></td><td>* 7</td><td>West</td><td>5 -</td></td></td<>	aboratories     Initiation       Initiation     Initiation       Initiation </td <td></td> <td>H:45AM</td> <td></td> <td>* 7</td> <td>West</td> <td>5 -</td>		H:45AM		* 7	West	5 -	
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### APPENDIX B COPY OF OCD APPROVAL

## 1RF – 454

## Zia Hills (Superman) Recycling Facility and Containment

# **Approval with Conditions**

## Conoco Phillips October 16, 2020

From:	LucasKamat, Susan, EMNRD
To:	Lee, Jeremy L
Cc:	<u>Randall Hicks; louis.c.salazar@conocophillips.com; Venegas, Victoria, EMNRD; Polak, Tiffany, EMNRD</u>
Subject:	Approval with Conditions, ConocoPhillips Zia Hills Recycling Facility and Containment (1RF-454), Section 30. T26S, R32E (Lea County, NM)
Date:	Friday, October 16, 2020 1:50:00 PM

Good afternoon, Mr. Lee.

The New Mexico Oil Conservation Division (OCD) has reviewed the recycling containment permit application and related documents, submitted by Conoco Phillips (CP) (OGRID # 217817) on May 28, 2020, for the proposed Zia Hills Superman Recycling Facility and Containment in Lea County, New Mexico.

CP requested variances from 19.15.34 NMAC for the Zia Hills Superman Recycling Facility and Containment related to 19.15.34.12.A (2) NMAC containment side-slope requirements; 19.15.34.12.A (3) NMAC liner anchors and anchor trench requirements, 19.15.34.12 A (4) NMAC liner requirements, 19.15.34.13 B (2) NMAC freeboard requirements, 19.15.34.13.B (4) liner repair or replacement requirements, 19.15.34.13.B (5) fluid removal and liner repair and replacement requirements, 19.15.34.13 D NMAC fencing requirements, 19.15.34.13 E NMAC netting requirements, and 19.15.34.14.C NMAC / 19.15.34 NMAC Table I closure criteria for recycling containments.

The following variances have been approved.

- The variance to 19.15.34.13 D NMAC for the installation around the entire facility of a chain link fence, six (6) feet in height with a minimum of three (3) strands of barbed wire over the top of the chain link, is approved per the application.
- The variance to 19.15.34.13 E NMAC for the installation of an audible bird deterrence system, a Bird-X Mega-Blaster, is approved per the application.
- The variance to 19.15.34.14.C NMAC and 19.15.34 NMAC Table I for the use of alternate analytical method 8015/8015M for total petroleum hydrocarbons (TPH) is approved per the application.

The following variance, specific to the earthen containments, has been approved.

• The variance to 19.15.34.12 A (4) NMAC for the installation on the earthen containments of a 60-mil non-reinforced HDPE primary liner and a 60-mil non-reinforced HDPE secondary liner with a 200-mil geogrid drainage layer is approved per the application.

The following variances, specific to the above-ground storage tank (AST) containments, have been approved.

• The variance to 19.15.34.12.A (2) NMAC for the no side-slope requirement for the AST containment with vertical walls is approved per the application.

- The variance to 19.15.34.12.A (3) NMAC for the liners to be anchored to the top of the AST steel walls with clips and no anchor trenches is approved per the application.
- The variance to 19.15.34.12 A (4) NMAC for the installation on the ASTs containments of a 40-mil non-reinforced LLDPE primary liner and a 40-mil non-reinforced LLDPE secondary liner with a 200-mil geogrid drainage layer is approved per the application.

The following variances have been denied.

- The variance to 19.15.34.13.B (4) NMAC for allowing more than 48 hours after discovery to repair or replace a compromised primary liner above the fluid level is denied. Extension requests to the 48-hours after discovery timeframe to repair or replace a liner are considered based on the merits of the specific situation and request, and not a generic request. The containment liners must be repaired or replaced within 48-hours of discovery of the compromise or damage above the fluid level.
- The variance to 19.15.34.13.B (5) NMAC for allowing more than 48 hours after discovery to remove fluids and to repair or replace a compromised primary liner beneath the fluid level is denied. Extension requests to the 48-hours after discovery timeframe to remove fluids and to repair or replace a liner are considered based on the merits of the specific situation and request, and not a generic request.

The following variance, specific to the above-ground storage tank (AST) containments, has been denied.

• The variance to 19.15.34.13 B (2) NMAC for a 2-feet freeboard has been denied. The variance request did not address how a 2-feet freeboard would prevent overtopping of the tanks after wind and/or precipitation events. The containment must operate with the 3-feet freeboard as specified by rule.

The Form C-147 form and supporting documents submitted for registering and permitting the Zia Hills Superman Recycling Facility and Containment (1RF-454) is approved with the following conditions of conditions of approval:

- CP shall construct, operate, maintain, close, and reclaim the Zia Hills Superman Recycling Facility and Containment in compliance with 19.15.34 NMAC, including, but not limited to, the performance of containment inspections; recording of detailed inspection reports; removal of debris, foreign objects and oil from the containment; and monthly reporting of recycling and reuse of produced water, drilling fluids, and liquid oil field waste.
- The Zia Hills Superman Recycling Facility and Containment is approved for five (5) years of operation from the date of permit application. OCD received the permit application on May 28, 2020. The Zia Hills Superman Recycling Facility and Containment permit expires on May 28, 2025. If CP wishes to extend operations past five (5) years, an annual permit extension request must be submitted using an OCD form C-147 via email to OCD.Enviro@state.nm.us by April 28, 2025.
- CP shall provide the location (latitude and longitude) of each of the four (4) containments to OCD after construction.
- CP shall notify OCD when construction of each facility and/or containment at the Zia Hills Superman Recycling Facility and Containment (east containment, west containment, raw produced water AST, and future treated water) commences.
- CP shall notify OCD when recycling operations commence and cease at the Zia Hills Superman Recycling Facility and Containment.
- Water reuse and recycling from Zia Hills Superman Recycling Facility and Containment is limited to wells owned or operated by CP (OGRID # 217817).
- A minimum of 3-feet freeboard must be maintained in all the recycling containments, both earthen and steel tank, at all times during operations.
- CP shall provide OCD with the calculations for the operational total fluid capacity of each of the containments (east containment, west containment, raw produced water AST, and future treated water) within 30 days of receiving produced water in the containment. The operational fluid capacity is the total volume of the containment, minus the volume not utilized due to the freeboard.
- If less than 20% of the total fluid capacity is utilized every six months, beginning from the first withdraw, operation of the facility is considered ceased and notification of cessation of operations should be sent electronically to <u>OCD.Enviro@state.nm.us</u>. An extension to extend the cessation of operation, not to exceed six months, may be submitted using a C-147 form to <u>OCD.Enviro@state.nm.us</u>.
- CP shall submit monthly reports of recycling and reuse of produced water, drilling fluids, and liquid oil field waste. on via OCD form C-148. (Form C-148 is available for download at the OCD website at <a href="http://www.emnrd.state.nm.us/OCD/forms.html">http://www.emnrd.state.nm.us/OCD/forms.html</a>.)
- CP shall comply with 19.15.29 NMAC Releases in the event of any release of produced water or other oil field wastes at Zia Hills Superman Recycling Facility and Containment.

The facility has been assigned an OCD Administrative Order number 1RF-454. Please reference this number in all future communications, modifications, and notices related to Zia Hills Superman Recycling Facility and Containment and for monthly reporting of recycling and reuse of produced water, drilling fluids and liquid oil field waste. A copy of the approved C-147 forms for 1RF-454 is available through the OCD Imaging system at

http://ocdimage.emnrd.state.nm.us/imaging//AEOrderFileView.aspx?appNo=pSL2029048811 within 24 hours.

Please keep a copy of this electronic communication for your files. A certified copy will be mailed to you next week. A copy of this electronic communication will be saved in 1RF-454 electronic file on OCD Imaging referenced above.

Please do not hesitate to contact me if you have further questions or concerns.

Regards, Susan

#### Susan A. Lucas Kamat

Environmental Scientist Oil Conservation Division Energy, Minerals, and Natural Resources Department 5200 Oakland Avenue, Suite 100 Albuquerque, New Mexico 87113 (505) 670-8745 Susan.LucasKamat@state.nm.us

Received by OCD: 6/17/2025 12:21:00 PM		<b>Page 39 of 4</b>
District I	State of New Mexico	Form C-147
1625 N. French Dr., Hobbs, NM 88240 District II	Energy Minerals and Natural Resources	Revised April 3, 2017
811 S. First St., Artesia, NM 88210 District III	Department . Oil Conservation Division	
1000 Rio Brazos Road, Aztec, NM 87410	1220 South St. Francis Dr.	
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	
	Santa I C, IVIVI 87505	
Recycling I	Facility and/or Recycling Contain	ment
Type of Facility	: $\square$ Recycling Facility $\square$ Recycling Contain	nent*
<b>Type of action:</b> Permit		
☐ Modifi □ Closur		
	ision for a Recycling Containment, a copy shall be provided to	the surface owner.
	eve the operator of liability should operations result in pollution of surface wat bility to comply with any other applicable governmental authority's rules, regu	
1.		
Operator: : ConocoPhillips Compar	OGRID #: 217817	
Address: PO Box 2197 Housto	n TX 77252	_
Facility or well name (include API# if associate	ed with a well): Zia HIIIs Recycling Facility and Co	ntainment
OCD Permit Number: 1RF-454	(For new facilities the permit number will be assigned by the dis	trict office)
	30 Township 26S Range 32E County:	
Surface Owner: 🛛 Federal 🗌 State 🗌 Pri		
2.	valeIribai Irust or Indian Allotment	
∑ <u>Recycling Facility</u> :		
Location of (if applicable): Latitude 32 (	D14527° Longitude <u>-103.714621</u> NAD83 (Approxin	nate)
		late)
Proposed Use: Drilling* Completion*		
	used until fresh water zones are cased and cemented	
	ribe use, process, testing, volume of produced water and ensure there wi	u be no daverse impact on
groundwater or surface water.		
Fluid Storage		
	ing containment  Activity permitted under 19.15.17 NMAC explain type of the second sec	
		in
	ing containments, attach design and location information of each containm	
<b>Closure Report (required within 60 days</b>	of closure completion): Recycling Facility Closure Completion Date	:
3. X Recycling Containment: VOLUME 1 FO	R IN-GROUND CONTAINMENTS; VOLUME 2 FOR AST CONTAIN	MENTS
	h summary of monthly leak detection inspections for previous year)	
	ments ( <i>adjacent</i> ): (if applicable) Latitude <u>32.014614°</u> Longitude <u>-1</u>	03 717637 •
		<u></u>
<b>CUV'containments</b> : Latitude $32.015321$ Long		
	ng containments, attach design and location information of each containme	
	und x2: Primary 60- Mil HDPE; Secondary 60-Mil HDPE	I HDPE I PVC I Other
AST: Primary ; Secondary liner	. <u>SEE DESIGN DRAWINGS</u> String-Reinforced	
Liner Seams: Welded Factory Othe	er _ Volume: <u>_SEE DESIGN DRAWINGS</u> bbl Dimensions: (Inside dir	nensions) <u>SEE DESIGN</u>
DRAWINGS AST final design drawings pe	nding	
Recycling Containment Closure Completion	n Date:May 2020	

#### **Bonding**:

Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or

operated by the owners of the containment.)

Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$

(work on these facilities cannot commence until bonding

#### amounts are approved)

Attach closure cost estimate and documentation on how the closure cost was calculated.

### Fencing:

5.

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify 6 foot Chain link with 3 strand barbed wire

#### Signs:

6

7.

2 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

#### Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation. See Volume 3

#### Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting	
Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells FIGURES 1-2	☐ Yes ⊠ No □ NA
<ul> <li>Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; written approval obtained from the municipality FIGURE 3</li> </ul>	
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division FIGURE 4</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; topographic map FIGURES 5a-e</li> </ul>	🗌 Yes 🛛 No
Within a 100-year floodplain. FEMA map FIGURE 6	🗌 Yes 🛛 No
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; visual inspection (certification) of the proposed site FIGURE 7</li> </ul>	☐ Yes ⊠ No
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; aerial photo; satellite image FIGURE 8</li> </ul>	🗌 Yes 🛛 No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. FIGURES 1 and 7	🗌 Yes 🛛 No
- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site	
Within 500 feet of a wetland. FIGURE 9         -       US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	🗌 Yes 🛛 No
9.	
Recycling Facility and/or Containment Checklist: Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the document	nts are attached.
<ul> <li>Design Plan - based upon the appropriate requirements.</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements.</li> <li>Closure Plan - based upon the appropriate requirements.</li> <li>Site Specific Groundwater Data -</li> <li>Siting Criteria Compliance Demonstrations -</li> <li>Certify that notice of the C-147 (only) has been sent to the surface owner(s)</li> </ul>	
10.         Operator Application Certification:         I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my known in the information and attachments submitted with this application.	owledge and belief.
Name (Print):         Jeremy Lee         Title:         Regulatory Coordinator	
Signature: Date: 3/30/20	
e-mail address Jeremy.L.Lee@conocophillips.com Telephone: 832.486.2510	
DCD Representative Signature: Q. Jum Rand Approval Date: Oct 16,	2020
Title:       Environmental Scientist       OCD Permit Number:       1RF-454	

 OCD Conditions

 Additional OCD Conditions on Attachment

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# APPENDIX C PHOTOGRAPHS OF SITE SAMPLING AND DESCRIPTION OF SAMPLING METHODS



The 12/20/2023 Google Earth image above shows the location of AST #1 and the location of AST #2 to the south. Latitude and longitude of AST #1 and #2 provided by ConocoPhillips correctly identify the AST locations on the south side of the working pad of the recycling facility. The images below provide latitude and longitude based upon the phone camera used for images. The crew who collected the samples used field evidence of the AST locations and the sampling data support the field observations used to identify the 5-point composite sample used to test each location (see email from Flex Services, below). While the phone longitude appears correct, the latitude of each image falls about 200 feet north of the actual location.

## From: aaron garcia

#### **To:** Randall Hicks **Cc:** Bobbi Jo Crain

Subject: Re: Cascade CP Superman - AST #1 and AST #2 Closure Sampling - I think you camera lat long is off - I need your help quickly please. Date: Friday, May 9, 2025 8:49:15 AM

Attachments: image002.png

Randy,

The crew that was dispatched to go out and do sampling at the Cascade CP Superman AST#1 & #2 examined the site pad for evidence such as AST compaction into the caliche pad and traffic markings around where the AST's were placed. The crew then collected samples on all 4 sides and center based on the AST positioning site data and observations. The area has bad cell service and this is the reason for the discrepancy in GPS data. All future endeavors will be done with Garmin handheld GPS units. Attached below are the photos of the pad site where the AST 1 & 2 were. If you have any questions please let me know.

Respectfully, Aaron Garcia Flex Oilfield Services

## AST #1 Photographs of Sampling Locations





#### Photographs of AST #2 Sampling Locations











# R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Since 1996

## **Closure Sampling ASTs**

- Flex Services is responsible as the excavator to ensure clearance from the NM811 "onecall" service for underground facilities location before any excavation begins.
- RT Hicks Consultants is responsible for the collection, storage, integrity, and transport of all of the samples.

### PROCEDURE

The following procedure will be followed to collect samples using an auger mounted on a skidsteer, bobcat or equivalent:

- 1. Advance drill to 4 ft BGS and slowly remove auger from hole. Collect representative soil sample from stem of auger drill from
  - a. 0-4 ft depth interval
  - b. 0-2 foot depth
  - c. 2-4 foot depth.
- 2. Clean out boring and then return clean auger to the hole. Advance auger to approximately 4.3 ft BGS and slowly remove stem from hole. Collect soil sample from this interval.
- 3. Backfill hole with remaining cuttings using a shovel.
- 4. Repeat at each sample point marked by an "X" on the enclosed maps or as directed by Hicks Consultants.

### SAMPLE MANAGEMENT

Obtain coolers and sample vials, etc. from Cardinal Labs in Hobbs.

Chain of Custody #1 should list only the following samples

- 5 samples of the depth interval 0-4 feet 1 for each boring
- 5 samples of the 4.25 depth 1 from each boring
- All 10 samples should be analyzed for Chloride, BTEX and GRO/DRO/MRO

Chain of Custody #2 should be for the second group of samples that will be "HELD FOR POSSIBLE ANALYSIS" and will include

- 5 samples of the depth interval 0-2 feet one from each boring and
- 5 samples of the depth interval 2-4 feet one from each boring
- All 10 samples should be analyzed for chloride only

Deliver samples on ice to Cardinal Labs in Hobbs.



Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

CONDITIONS

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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Action 475738

CONDITIONS

CONOCOPHILLIPS COMPANY     217817       600 W. Illinois Avenue     Action Number:	Operator:	OGRID:
	CONOCOPHILLIPS COMPANY	217817
Midland, IX 79701 475738	Midland, TX 79701	475738
Action Type:		Action Type:
[C-147] Water Recycle Long (C-147L)		[C-147] Water Recycle Long (C-147L)

Created By	Condition	Condition Date
vvenegas	The closure request, specifically to the ASTs, is approved with the following conditions of approval: • 1RF-454 - Zia Hills Superman Recycling Facility and Containment [fSL2029049637] will operate as originally permitted. • [217817] CONOCOPHILLIPS COMPANY will comply with all conditions previously approved for permit 1RF-454 - Zia Hills Superman Recycling Facility and Containment [fSL2029049637]. • No changes will be made to operations, maintenance and monitoring procedures, or closure procedures, other than the requested closure of the two ASTs associated with permit 1RF-454 - Zia Hills Superman Recycling [SL2029049637].	6/23/2025