Form C-144 Revised October 11, 2022

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

Pit, Below-Grade Tank, or									
Proposed Alternative Method Permit or Closure Plan Application									
Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method									
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request									
Please 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 the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.									
Operator: CrossTimbers Energy, LLC Operator: OGRID #: 298299									
Address: 400 West 7th Street, Fort Worth, Texas 76102									
Facility or well name: Breech C #323									
API Number: <u>30-039-08161</u> OCD Permit Number:									
U/L or Qtr/Qtr M Section 14 Township 26N Range 6W County: Rio Arriba									
Center of Proposed Design: Latitude 36.48323 Longitude -107.44221 NAD83									
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment									
Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other									
Liner Seams:									
3.									
X Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 10 BBL									
□ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off □ Visible sidewalls and liner ☒ Visible sidewalls only □ Other □ □ Liner type: Thickness □ mil □ HDPE □ PVC □ Other □									
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.									
5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify									

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	Yes No
<u>Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.</u> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	☐ Yes ☐ No							
Temporary Pit Non-low chloride drilling fluid								
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Permanent Pit or Multi-Well Fluid Management Pit								
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).								
- Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
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.								
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site								
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site								
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docume attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NM Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:								
11.								
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC								
Previously Approved Design (attach copy of design) API Number: or Permit Number:								

12.	
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	•
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.	documents are
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC	
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Climatological Factors Assessment	
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC	
Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC	
Quality Control/Quality Assurance Construction and Installation Plan	
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan	
Emergency Response Plan	
Oil Field Waste Stream Characterization	
☐ Monitoring and Inspection Plan ☐ Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Multi-well Fl	uid Managamant Pit
Alternative	uid Management Fit
Proposed Closure Method: X Waste Excavation and Removal	
Waste Removal (Closed-loop systems only)	
On-site Closure Method (Only for temporary pits and closed-loop systems)	
☐ In-place Burial ☐ On-site Trench Burial	
Alternative Closure Method	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a	attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are attached.	machea to the
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC	
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)	
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
 \overline{\textbf{X}} Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC \overline{\textbf{X}} Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	
Site Reclamation 1 tail based upon the appropriate requirements of bassection 11 of 15.15.17.13 (white	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC	
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour	
provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P 19.15.17.10 NMAC for guidance.	iease rejer to
17.13.17.10 Minte joi guunee.	
Ground water is less than 25 feet below the bottom of the buried waste.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is between 25-50 feet below the bottom of the buried waste	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∐ Yes ∐ No □ NA
-	
Ground water is more than 100 feet below the bottom of the buried waste.	∐ Yes ∐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa	☐ Yes ☐ No
lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence	☐ Yes ☐ No
at the time of initial application.	_ _
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland.	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
	☐ Yes ☐ No
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.								
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No							
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division								
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 								
Within a 100-year floodplain.	☐ Yes ☐ No							
- FEMA map	☐ Yes ☐ No							
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure proby a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cant Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC							
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bell Name (Print): Signature: Date: 8/16/2024 e-mail address: james@jakdsolutions.com Telephone: 505-860-1666	ief.							
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)								
OCD Representative Signature: Approval Date:								
Title: OCD Permit Number:								
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do no section of the form until an approved closure plan has been obtained and the closure activities have been completed.	t complete this							
☑Closure Completion Date: 09/25/2024	<u>T</u>							
20. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-l ☐ If different from approved plan, please explain.								

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this clo	
belief. I also certify that the closure complies with all applicable closure req	quirements and conditions specified in the approved closure plan.
Name (Print): Samanntha Avarello	_{Title:} EHS Coordinator
Signature: Samanntha Avarello	Date: 10/10/2024
e-mail address: savarello@txopartners.com	Telephone: 817-334-7747



Date: 8/16/2024



Company: Cross Timbers Energy, LLC

Facility: **Breech C #323** API: 30-039-08161

Section 14, Township 26N, Range 6W

GPS: **36.482322**, **-107.442188** Released to Imaging: 10/17/2024 3:46:07 PM

Rio Arriba, New Mexico



Breech A 204

30-039-06550

9/5/2024

Sample Narrative

On 8/16/2024 JAKD Solutions sent a closure notification via email to Nelson Velez with the NMOCD, copying Leigh Barr and Abiodun Adeloye with the BLM; see attached *Proof of Notification*.

On 8/23/2024, JAKD Solutions was retained by CrossTimbers Energy to collect a below grade tank closure (BGT) sample from the pit cellar at the Breech C #323 wellsite. The BGT is being closed due to not being used on-site. At 9:00 AM on 8/23/2024, CrossTimbers removed the BGT from the cellar, and a composite sample was collected from the bottom of the cellar beneath the BGT. A 5-point composite sample was collected beneath the former location of the BGT and placed in a Ziploc bag. The sample was mixed thoroughly and placed into a 4-ounch glass jar and placed on ice for transport to Eurofins Laboratory for analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) via USEPA Method 8015M, Benzene and total BTEX via USEPA Method 8021, and for total chlorides.

On 8/30/2024, sample results were returned from Eurofins laboratory. The sample returned results of non-detect for all constituents analyzed; see attached Laboratory Analysis and *Sample Results Table*.

On 9/25/2024, the below grade tank cellar was backfilled by CrossTimbers; see attached *Photo Page*.

James McDaniel

From: James McDaniel

Sent: Friday, August 16, 2024 12:37 PM

To: Adeloye, Abiodun A; Barr, Leigh, EMNRD; Velez, Nelson, EMNRD

Cc: Jeff Waggoner; Dan Guillotte; Samanntha Avarello

Subject: BGT Closure Notification - Breech C 323

Please accept this email as the required Below Grade Tank closure notification for the wellsite below:

30-039-08161 BREECH C #323 [312459]

General Well Information

Operator: [298299] CROSS TIMBERS ENERGY, LLC

Status: Active
Well Type: Gas
Work Type: New

Surface Location: M-14-26N-06W 890 FSL 1190 FWL

Lat/Long: 36.48232,-107.44221 NAD83

GL Elevation: 6736

KB Elevation: DF Elevation:

Closure activities will be completed on 8/23/2024 at 9 AM. Please do not hesitate to contact me or Jeff Waggoner with any questions regarding this project.

James McDaniel, CSP, CHMM, CIT Project Manager 505-860-1666 james@jakdsolutions.com



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: James McDaniel JAKD Solutions 3811 Crestridge Dr Farmington, New Mexico 87401

Generated 8/30/2024 4:11:44 PM

JOB DESCRIPTION

Breech C #323

JOB NUMBER

885-10616-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 8/30/2024 4:11:44 PM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975

3

5

6

8

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10

Client: JAKD Solutions

Laboratory Job ID: 885-10616-1

Project/Site: Breech C #323

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Definitions/Glossary

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: JAKD Solutions Job ID: 885-10616-1 Project: Breech C #323

Job ID: 885-10616-1 **Eurofins Albuquerque**

> Job Narrative 885-10616-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 8/27/2024 7:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

Surrogate

Analyte

Chloride

Di-n-octyl phthalate (Surr)

Method: EPA 300.0 - Anions, Ion Chromatography

Client Sample ID: BGT Closure Composite

Date Collected: 08/23/24 09:30 Date Received: 08/27/24 07:15

Lab Sample ID: 885-10616-1

Prepared

08/28/24 09:30

Prepared

08/28/24 13:55

Analyzed

08/29/24 13:07

Analyzed

08/28/24 21:41

Matrix:	Solid

Method: SW846 8015M/D - Gaso	line Range Org	anics (GRC)) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		4.7	mg/Kg		08/27/24 14:08	08/29/24 03:27	1
(GRO)-C6-C10								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/27/24 14:08	08/29/24 03:27	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/27/24 14:08	08/29/24 03:27	1
Ethylbenzene	ND		0.047	mg/Kg		08/27/24 14:08	08/29/24 03:27	1
Toluene	ND		0.047	mg/Kg		08/27/24 14:08	08/29/24 03:27	1
Xylenes, Total	ND		0.094	mg/Kg		08/27/24 14:08	08/29/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						08/27/24 14:08	08/29/24 03:27	1
- Method: SW846 8015M/D - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/28/24 09:30	08/29/24 13:07	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/28/24 09:30	08/29/24 13:07	1

Limits

62 - 134

RL

60

Unit

mg/Kg

%Recovery Qualifier

Result Qualifier

112

ND

Eurofins Albuquerque

Dil Fac

Dil Fac

Prep Batch: 11123

Prep Type: Total/NA

Prep Batch: 11123

Job ID: 885-10616-1 Client: JAKD Solutions

Project/Site: Breech C #323

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-11123/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 11306

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 mg/Kg 08/27/24 14:08 08/29/24 01:16 (GRO)-C6-C10

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 35 - 166 08/27/24 14:08 08/29/24 01:16 4-Bromofluorobenzene (Surr) 107

Lab Sample ID: LCS 885-11123/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 11306

Prep Batch: 11123 LCS LCS Spike Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 25.0 27.6 mg/Kg 110 70 - 130

(GRO)-C6-C10

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 216 35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-11123/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 11307

мв мв Qualifier RLUnit D Prepared Dil Fac Analyte Result Analyzed Benzene ND 0.025 mg/Kg 08/27/24 14:08 08/29/24 01:16 ND 0.050 08/27/24 14:08 08/29/24 01:16 Ethylbenzene mg/Kg Toluene ND 0.050 mg/Kg 08/27/24 14:08 08/29/24 01:16 Xylenes, Total ND 0.10 08/27/24 14:08 08/29/24 01:16 mg/Kg

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 08/27/24 14:08 08/29/24 01:16

Lab Sample ID: LCS 885-11123/3-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 11307 Prep Batch: 11123 0-:1--

Вє Et Toluene

Lab Sample ID: 885-10616-1 MS **Client Sample ID: BGT Closure Composite**

Matrix: Solid

Toluene

Prep Type: Total/NA **Analysis Batch: 11307** Prep Batch: 11123

MS MS Sample Sample Spike %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits ND 0.937 Benzene 1.05 mg/Kg 112 70 - 130 Ethylbenzene ND 0.937 70 - 130 1.07 mg/Kg 115 ND 0.937 1.07 mg/Kg 70 - 130

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Prep Type: Total/NA

	Бріке	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	
Benzene	1.00	1.03		mg/Kg	103	70 - 130	
Ethylbenzene	1.00	1.02		mg/Kg	102	70 - 130	
Toluene	1.00	1.02		ma/Ka	102	70 130	

QC Sample Results

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 885-10616-1 MSD

Client Sample ID: BGT Closure Composite

Prep Type: Total/NA

Analysis Batch: 11307 Prep Batch: 11123

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.941	1.09		mg/Kg		116	70 - 130	4	20
Ethylbenzene	ND		0.941	1.11		mg/Kg		118	70 - 130	3	20
Toluene	ND		0.941	1.11		mg/Kg		118	70 - 130	4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11222/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 11289** Prep Batch: 11222 MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride ND 3.0 mg/Kg 08/28/24 13:55 08/28/24 20:02

Lab Sample ID: LCS 885-11222/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Total/NA **Analysis Batch: 11289** Prep Batch: 11222 Spike LCS LCS %Rec

Analyte Added Result Qualifier Unit D %Rec Limits Chloride 30.0 28.2 mg/Kg 94 90 - 110

Lab Sample ID: MB 885-11289/6 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 11289

MB MB

Prepared Analyte Result Qualifier RL Unit D Analyzed Chloride ND 0.50 mg/Kg 08/28/24 08:48

Lab Sample ID: MRL 885-11289/5 Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 11289

Released to Imaging: 10/17/2024 3:46:07 PM

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.519 mg/L 104

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Dil Fac

Prep Type: Total/NA

50 - 150

QC Association Summary

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

GC VOA

Prep Batch: 11123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10616-1	-10616-1 BGT Closure Composite		Solid	5030C	
MB 885-11123/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11123/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11123/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-10616-1 MS	BGT Closure Composite	Total/NA	Solid	5030C	
885-10616-1 MSD	BGT Closure Composite	Total/NA	Solid	5030C	

Analysis Batch: 11306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10616-1	BGT Closure Composite	Total/NA	Solid	8015M/D	11123
MB 885-11123/1-A	Method Blank	Total/NA	Solid	8015M/D	11123
LCS 885-11123/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11123

Analysis Batch: 11307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10616-1	BGT Closure Composite	Total/NA	Solid	8021B	11123
MB 885-11123/1-A	Method Blank	Total/NA	Solid	8021B	11123
LCS 885-11123/3-A	Lab Control Sample	Total/NA	Solid	8021B	11123
885-10616-1 MS	BGT Closure Composite	Total/NA	Solid	8021B	11123
885-10616-1 MSD	BGT Closure Composite	Total/NA	Solid	8021B	11123

GC Semi VOA

Prep Batch: 11173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10616-1	BGT Closure Composite	Total/NA	Solid	SHAKE	

Analysis Batch: 11296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10616-1	BGT Closure Composite	Total/NA	Solid	8015M/D	11173

HPLC/IC

Prep Batch: 11222

Lab Sample ID 885-10616-1	Client Sample ID BGT Closure Composite	Prep Type Total/NA	Matrix Solid	Method 300_Prep	Prep Batch
MB 885-11222/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11222/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 11289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Pr	ep Batch
885-10616-1	BGT Closure Composite	Total/NA	Solid	300.0	11222
MB 885-11222/1-A	Method Blank	Total/NA	Solid	300.0	11222
MB 885-11289/6	Method Blank	Total/NA	Solid	300.0	
LCS 885-11222/2-A	Lab Control Sample	Total/NA	Solid	300.0	11222
MRL 885-11289/5	Lab Control Sample	Total/NA	Solid	300.0	

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Lab Chronicle

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

Client Sample ID: BGT Closure Composite

Lab Sample ID: 885-10616-1 Date Collected: 08/23/24 09:30 Matrix: Solid

Date Received: 08/27/24 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			11123	JR	EET ALB	08/27/24 14:08
Total/NA	Analysis	8015M/D		1	11306	AT	EET ALB	08/29/24 03:27
Total/NA	Prep	5030C			11123	JR	EET ALB	08/27/24 14:08
Total/NA	Analysis	8021B		1	11307	AT	EET ALB	08/29/24 03:27
Total/NA	Prep	SHAKE			11173	EM	EET ALB	08/28/24 09:30
Total/NA	Analysis	8015M/D		1	11296	KR	EET ALB	08/29/24 13:07
Total/NA	Prep	300_Prep			11222	EH	EET ALB	08/28/24 13:55
Total/NA	Analysis	300.0		20	11289	RC	EET ALB	08/28/24 21:41

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: JAKD Solutions Job ID: 885-10616-1

Project/Site: Breech C #323

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
lew Mexico	State		NM9425, NM0901	02-26-25
• •	are included in this report, because not offer certification.	ut the laboratory is not certi	ied by the governing authority. This li	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015M/D	5030C	Solid	Gasoline Range Organics	(GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [0	C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organic	s [C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
Dregon	NELA	,P	NM100001	02-26-25

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8/30/2024

Received by OCD: 10/14/202	4.1:08:37 PM	Page 23 of 28
916 000		bort.
2 4 8		alytical re
ANALYSIS LABOI www.hallenvironmental.com kins NE - Albuquerque, NM 871 885 10616 COC 345-3975 Fax 505-345-4107 Analysis Request	(CI)=, Bf, MO ₅ , PO ₄ , SO ₄ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)	Date Time Remarks: Date Time Remarks: Date Time Date Time This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
HALL ANAL www.hall 4901 Hawkins NE - Tel. 505-345-3975	PAHs by 8310 or 82705IMS RCRA 8 Metals	acted dai
H v 1awkin 05-345	EDB (Method 504.1)	ub-contra
Tel. 5	TPH:8015D(GRO \ DRO \ MRO)	rks:
	(\$100 \ BTEX \ MTBE \ TMB's (8021)	Remarks:
Rush (#333	Preservative HEAL No.	
Turn-Around Time: Standard Project Name: Breech Project #:	Project Manager: Sampler: Sampler: Cooler Temp(including CF): 2 Container Type and # Type I-\(\text{Co} \cdot C\)	Received by: V Received by: V And the second output accred
Chain-of-Custody Record Client: SAKD So Frons Mailing Address: 1 a Re Depart of But Farming Address: 1 a Record	ickage: ard	Date: Time: Relinquished by: Viá: Bate: Time: Relinquished by: Viá: Date: Time: Relinquished by: Via: COMPeter Processory, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
10 12 14	0 0 2 2 12 13 1 1 1 1 1 1 1 1	8/30/2024

Login Sample Receipt Checklist

Client: JAKD Solutions Job Number: 885-10616-1

Login Number: 10616 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

Breech C 323 Sample Results Table											
			Diesel Range		Oil Range						
			Organics	Gasoline Range	Organics					Total	
			(DRO)	Organics (GRO)	(MRO)	TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Chlorides
Sample Name	Date	Time	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BGT Closure Composite	8/23/2024	9:30 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Non-Detect



CrossTimbers Energy Breech C 323 BGT Closure Photo Page

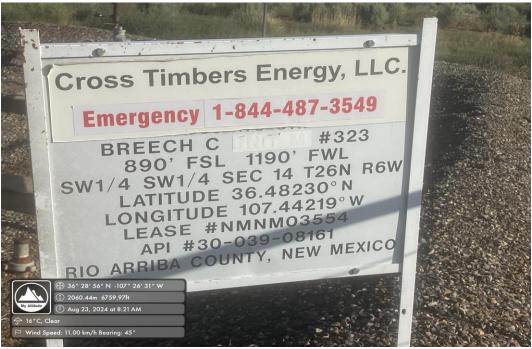


Photo 1: Well Sign



Photo 2: BGT in Cellar





Photo 3: BGT Cellar after Tank Removal



Photo 4: Backfilled BGT Cellar Area

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 392339

CONDITIONS

Operator:	OGRID:
CROSS TIMBERS ENERGY, LLC	298299
400 West 7th Street	Action Number:
Fort Worth, TX 76102	392339
	Action Type:
	[C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By	Condition	Condition Date
joseph.kennedy	None	10/17/2024