

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Cross Timbers Energy	OGRID 298299
Contact Name Samanntha Angeles	Contact Telephone 817-334-7747
Contact email sangeles@mspartners.com	Incident # (assigned by OCD) NCS1901626708
Contact mailing address 400 W 7th Street, Fort Worth, TX 6102	

Location of Release Source

Latitude 36.48991 Longitude -107.45786
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Breech D 240E	Site Type Oil
Date Release Discovered 1/16/2019	API# (if applicable) 30-039-23429

Unit Letter	Section	Township	Range	County
F	15	26N	06W	Rio Arriba

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

NMOC

MAR 04 2019

DISTRICT III

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 185	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Corrosion in bottom of production tank.

52

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release was in excess of 25 BBLS Estimated oil loss of 185 BBLS
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Cory Smith was contacted via Email on January 16, 2019 by Eric Kittinger	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>SAMANTHA ANGELES</u>	Title: <u>REGULATORY TECHNICIAN</u>
Signature: <u>Samantha Angeles</u>	Date: <u>1/23/19</u>
email: <u>SANGELES@WSPARTNERS.COM</u>	Telephone: <u>817-334-7747</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

Incident ID	NCS1901626708
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>400'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NCS1901626708
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Printed Name: Samanntha AvarelloTitle: Regulatory TechnicianSignature: Date: 02/22/2019email: sangeles@mspartners.comTelephone: 817-334-7747**OCD Only**

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NCS1901626708
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Closure

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

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

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

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

Printed Name: Samanntha Avarello Title: Regulatory Technician
Signature: *Samanntha Avarello* Date: 02/22/2019
email: sangeles@mspartners.com Telephone: 817-334-7747

OCD Only

Received by: *OCD* Date: 3/4/19

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

Closure Approved by: *Cory* Date: 3/5/19
Printed Name: Cory Title: Environmental Spec.

BREECH D 240E

Unit Letter F – Sec. 15 – T26N – R0W

Lat. 36.48991, Long. -107.45786

Rio Arriba County

SPILL CLEANUP

Incident # NCS1901626708

Following the discovery of the release of oil from the production tank due to corrosion on January 16, 2019, the equipment inside the bermed area was removed and excavation of impacted soils began on January 22, 2019. Impacted soils were removed from inside the bermed area to a depth of approximately 12 feet. Due to the excavation being within 300 feet of a "significant watercourse", the cleanup standards were 100 mg/kg TPH (GRO+DRO+MRO), 50 mg/kg BTEX, 10 mg/kg Benzene, and 600 mg/kg Chloride. Soil samples were collected on January 29 and all met the cleanup standards except the east wall, the west wall and the west side of the north wall (north wall west). Additional excavation took place in these areas and samples were again collected on February 1. All met the cleanup standards except the south side of the west wall (west wall south). Additional excavation in this area took place several times and samples collected on February 15 showed the south side of the west wall met the cleanup standards.

During the cleanup, approximately 2500 cubic yards of impacted soils were trucked to IEI Landfill. Clean backfill material was trucked to location from Mesa Sand and Gravel and Flying M Construction. Beginning on the east side, backfilling the excavation began on February 13, 2019.

Breach D 240E

30-039-23429
NCS1901626708
Excavation 75' X 50'

Legend

Excavation boundary area.
More details on Excavation
Schematic

Contaminated Area
47'x35'

Wellhead

Pipeline

Pipeline

Seperator

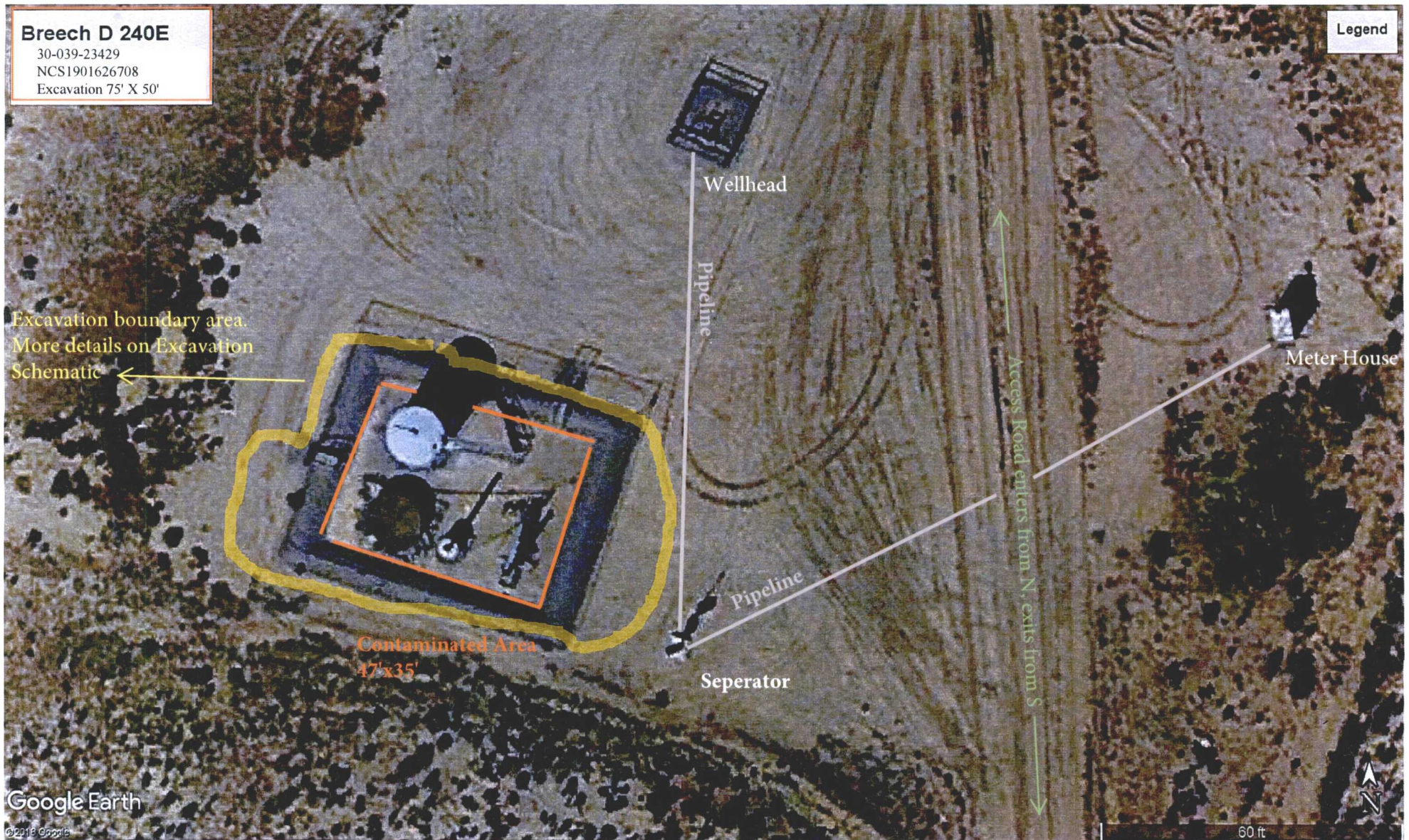
Meter House

Access Road enters from N, exits from S

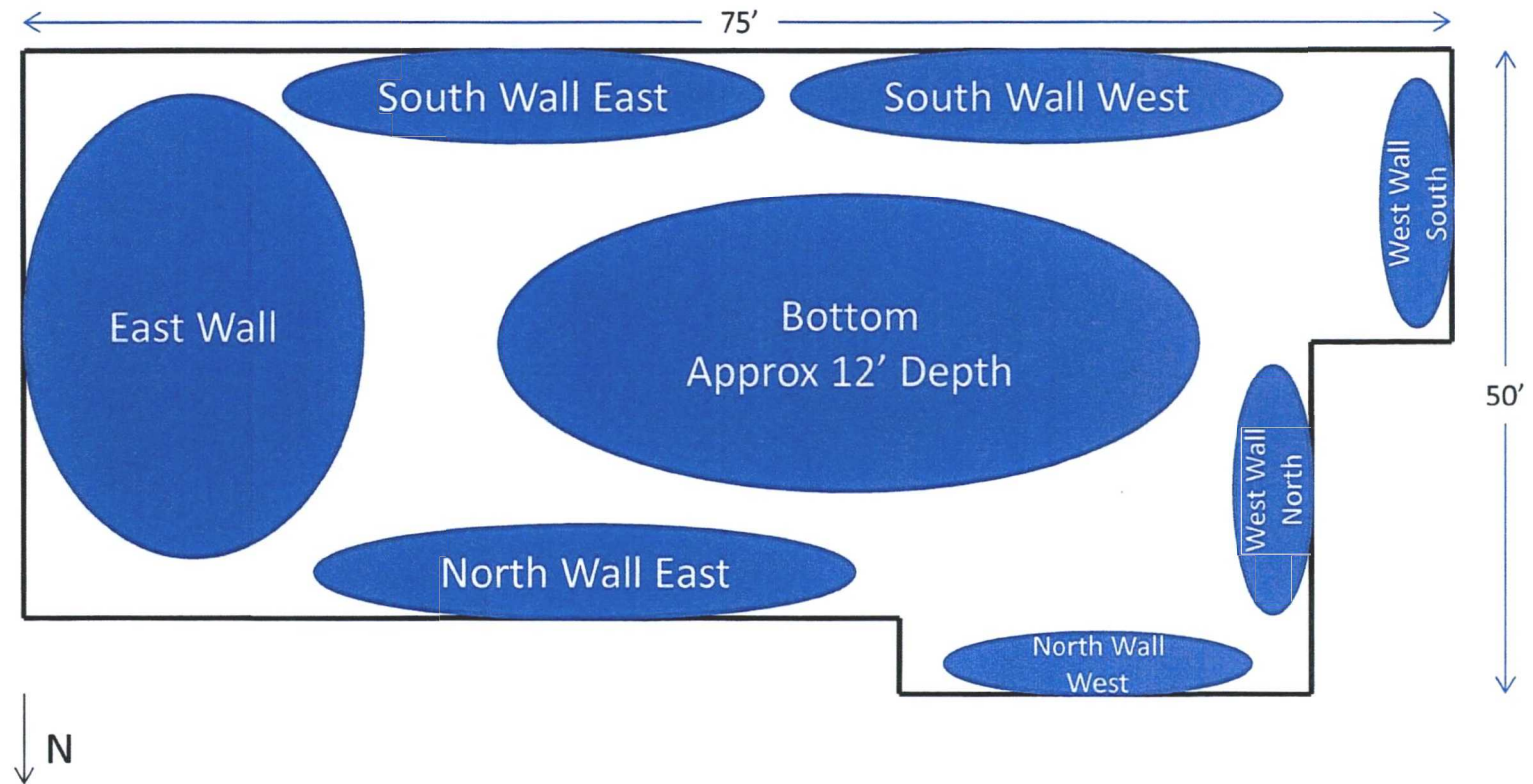
Google Earth

©2018 Google

60 ft



BREECH D 240E
Spill Cleanup Excavation



2/15/2019

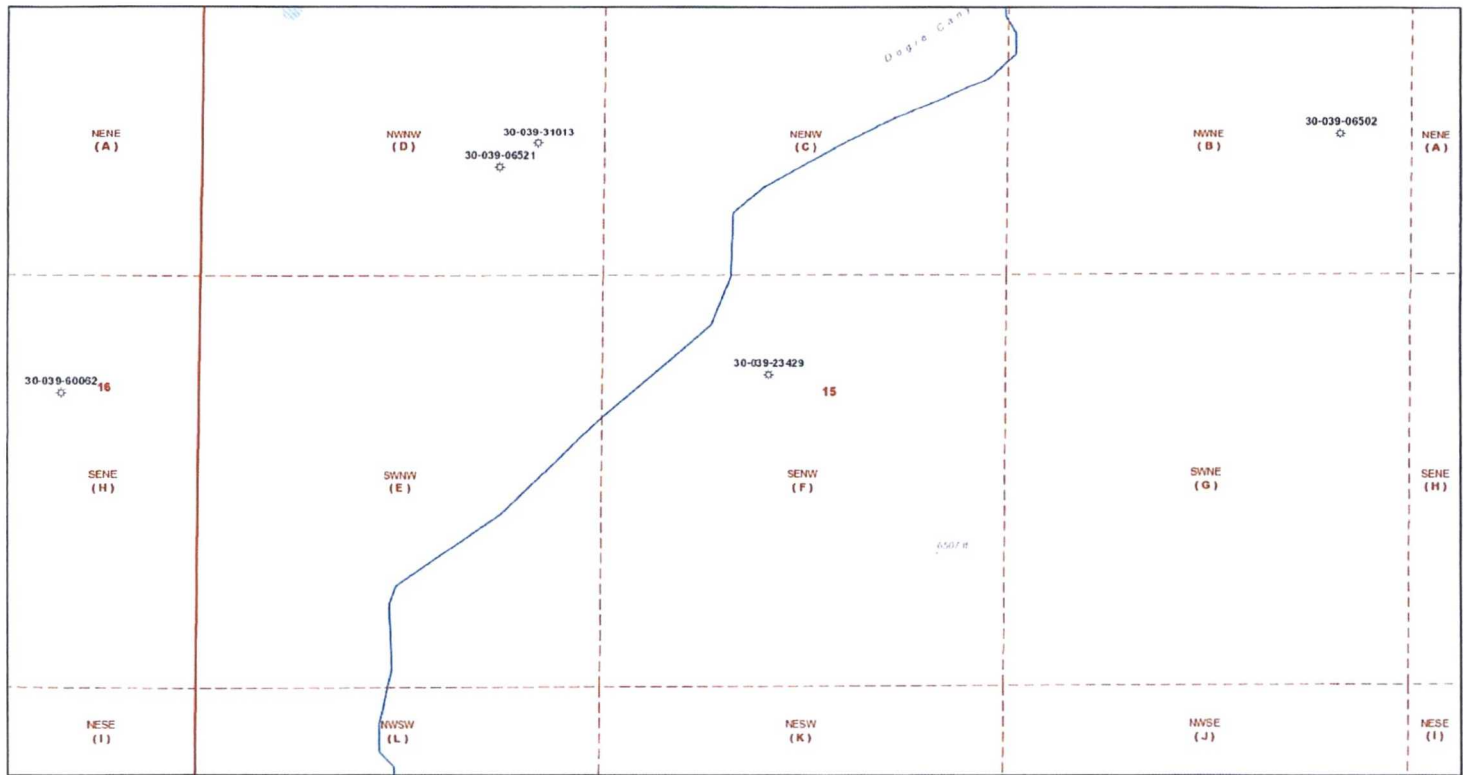
BREECH D 240E

Legend



Google Earth

Breach D 240E



1/28/2019 10:23:41 AM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned

Well Locations - Large Scale

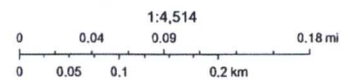
- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporarily Abandoned

- Gas Active
- Gas, Cancelled, Never Drilled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active

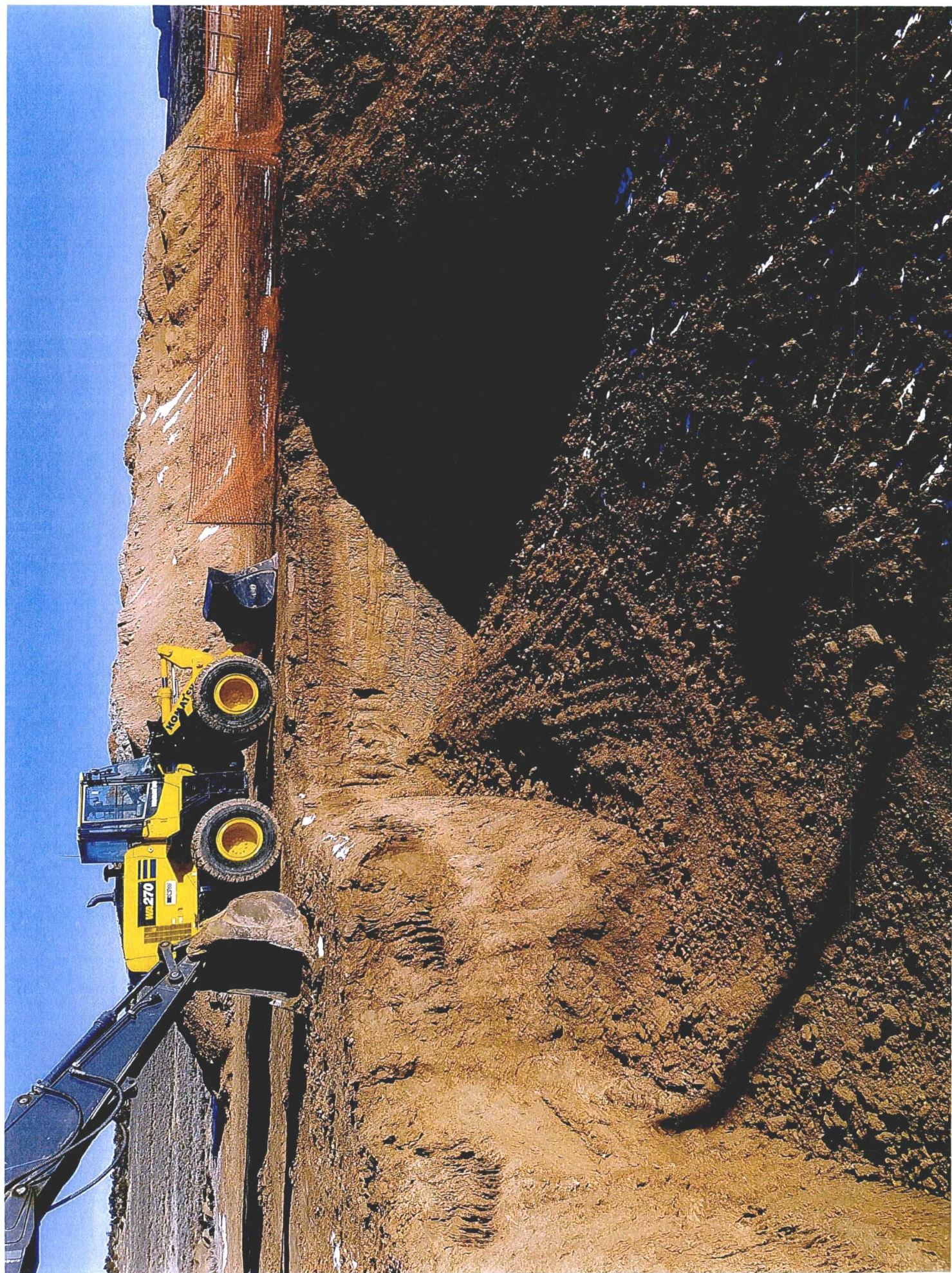
- Injection, Cancelled
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled

- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New

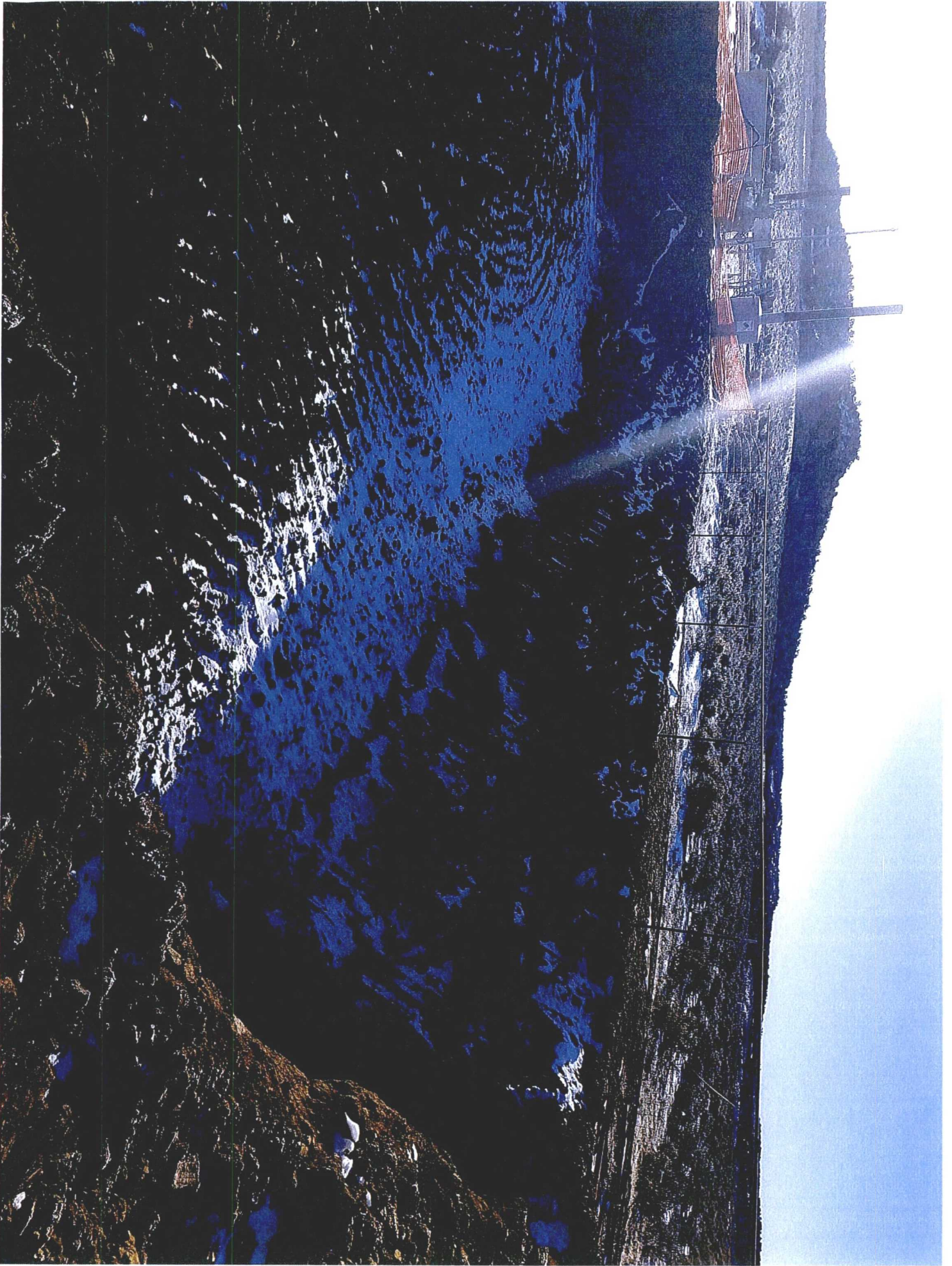
- Salt Water Injection, Plugged
- Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, OpenStreetMap contributors, and the GIS User Community, OGD.













Analytical Report

Report Summary

Client: Cross Timbers Energy
Chain Of Custody Number:
Samples Received: 2/15/2019 11:07:00AM
Job Number: 19008-0001
Work Order: P902031
Project Name/Location: Breech D 240E

Report Reviewed By:



Date: 2/19/19

Walter Hinchman, Laboratory Director



Date: 2/19/19

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Cross Timbers Energy
400 West 7th Street
Fort Worth TX, 76102

Project Name: Breech D 240E
Project Number: 19008-0001
Project Manager: Ed Hasely

Reported:
02/19/19 15:34

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall South	P902031-01A	Soil	02/15/19	02/15/19	Glass Jar, 4 oz.

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/19/19 15:34

West Wall South
P902031-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	25.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
Total Xylenes	ND	25.0	ug/kg	1	1907026	02/15/19	02/18/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %		50-150	1907026	02/15/19	02/18/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1907026	02/15/19	02/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	46.5	25.0	mg/kg	1	1907034	02/15/19	02/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	51.2	50.0	mg/kg	1	1907034	02/15/19	02/18/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %		50-150	1907026	02/15/19	02/18/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.3 %		50-200	1907034	02/15/19	02/18/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	371	20.0	mg/kg	1	1907025	02/15/19	02/15/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/19/19 15:34

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1907026 - Purge and Trap EPA 5030A
Blank (1907026-BLK1)

Prepared: 02/15/19 0 Analyzed: 02/19/19 0

Benzene	ND	25.0	ug/kg							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Total Xylenes	ND	25.0	"							
Surrogate: 4-Bromochlorobenzene-PID	8060		"	8000		101	50-150			

LCS (1907026-BS1)

Prepared: 02/15/19 0 Analyzed: 02/19/19 0

Benzene	5460	25.0	ug/kg	5000		109	70-130			
Toluene	5460	25.0	"	5000		109	70-130			
Ethylbenzene	5780	25.0	"	5000		116	70-130			
p,m-Xylene	12000	50.0	"	10000		120	70-130			
o-Xylene	5510	25.0	"	5000		110	70-130			
Total Xylenes	17500	25.0	"				70-130			
Surrogate: 4-Bromochlorobenzene-PID	8090		"	8000		101	50-150			

Matrix Spike (1907026-MS1)

Source: P902028-01

Prepared: 02/15/19 0 Analyzed: 02/18/19 1

Benzene	4790	25.0	ug/kg	5000	ND	95.8	54.3-133			
Toluene	4920	25.0	"	5000	ND	98.4	61.4-130			
Ethylbenzene	5290	25.0	"	5000	ND	106	61.4-133			
p,m-Xylene	11000	50.0	"	10000	ND	110	63.3-131			
o-Xylene	5080	25.0	"	5000	ND	102	63.3-131			
Total Xylenes	16100	25.0	"		ND		63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7950		"	8000		99.4	50-150			

Matrix Spike Dup (1907026-MSD1)

Source: P902028-01

Prepared: 02/15/19 0 Analyzed: 02/18/19 1

Benzene	4740	25.0	ug/kg	5000	ND	94.9	54.3-133	0.972	20	
Toluene	4900	25.0	"	5000	ND	98.1	61.4-130	0.320	20	
Ethylbenzene	5280	25.0	"	5000	ND	106	61.4-133	0.105	20	
p,m-Xylene	10900	50.0	"	10000	ND	109	63.3-131	0.260	20	
o-Xylene	5080	25.0	"	5000	ND	102	63.3-131	0.161	20	
Total Xylenes	16000	25.0	"		ND		63.3-131	0.229	20	
Surrogate: 4-Bromochlorobenzene-PID	7940		"	8000		99.3	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/19/19 15:34

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1907026 - Purge and Trap EPA 5030A
Blank (1907026-BLK1)

Prepared: 02/15/19 0 Analyzed: 02/19/19 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		"	8.00		93.6	50-150			

LCS (1907026-BS2)

Prepared: 02/15/19 0 Analyzed: 02/19/19 0

Gasoline Range Organics (C6-C10)	49.1	20.0	mg/kg	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		"	8.00		92.2	50-150			

Matrix Spike (1907026-MS2)
Source: P902028-01

Prepared: 02/15/19 0 Analyzed: 02/18/19 1

Gasoline Range Organics (C6-C10)	50.4	20.0	mg/kg	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		"	8.00		93.2	50-150			

Matrix Spike Dup (1907026-MSD2)
Source: P902028-01

Prepared: 02/15/19 0 Analyzed: 02/18/19 2

Gasoline Range Organics (C6-C10)	49.7	20.0	mg/kg	50.0	ND	99.4	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		"	8.00		94.3	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/19/19 15:34

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1907034 - DRO Extraction EPA 3570
Blank (1907034-BLK1)

Prepared: 02/15/19 1 Analyzed: 02/18/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.9		"	50.0		93.8	50-200			

LCS (1907034-BS1)

Prepared: 02/15/19 1 Analyzed: 02/18/19 1

Diesel Range Organics (C10-C28)	427	25.0	mg/kg	500		85.5	38-132			
Surrogate: n-Nonane	47.1		"	50.0		94.3	50-200			

Matrix Spike (1907034-MS1)
Source: P902028-01

Prepared: 02/15/19 1 Analyzed: 02/18/19 1

Diesel Range Organics (C10-C28)	414	25.0	mg/kg	500	ND	82.7	38-132			
Surrogate: n-Nonane	42.9		"	50.0		85.7	50-200			

Matrix Spike Dup (1907034-MSD1)
Source: P902028-01

Prepared: 02/15/19 1 Analyzed: 02/18/19 1

Diesel Range Organics (C10-C28)	415	25.0	mg/kg	500	ND	83.0	38-132	0.331	20	
Surrogate: n-Nonane	44.4		"	50.0		88.8	50-200			

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Cross Timbers Energy 400 West 7th Street Fort Worth TX, 76102	Project Name: Breech D 240E Project Number: 19008-0001 Project Manager: Ed Hasely	Reported: 02/19/19 15:34
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Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1907025 - Anion Extraction EPA 300.0/9056A

Blank (1907025-BLK1)				Prepared: 02/14/19 1 Analyzed: 02/15/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1907025-BS1)				Prepared: 02/14/19 1 Analyzed: 02/15/19 1						
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1907025-MS1)				Source: P902028-01 Prepared: 02/14/19 1 Analyzed: 02/15/19 1						
Chloride	284	20.0	mg/kg	250	25.1	104	80-120			
Matrix Spike Dup (1907025-MSD1)				Source: P902028-01 Prepared: 02/14/19 1 Analyzed: 02/15/19 1						
Chloride	288	20.0	mg/kg	250	25.1	105	80-120	1.42	20	

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Cross Timbers Energy
400 West 7th Street
Fort Worth TX, 76102

Project Name: Breech D 240E
Project Number: 19008-0001
Project Manager: Ed Hasely

Reported:
02/19/19 15:34

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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Project Information

Chain of Custody

Page 1 of 1

Client: Cross Timbers
 Project: Breach D 240 E
 Project Manager: Ed Hasely
 Address:
 City, State, Zip
 Phone: 505 634 8048
 Email: ed.hasely@mspsatneo.com

Report Attention
 Report due by:
 Attention: Ed Hasely
 Address:
 City, State, Zip
 Phone:
 Email:

Lab Use Only
 Lab WO# P902031 Job Number 19008-001
 TAT 1D 3D RCRA CWA SDWA
 Analysis and Method
 State
 NM CO UT AZ
 X

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
2/15	9a	Soil	1	West Wall South	1	X	X	X		X			

Additional Instructions:

Vis Ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ed Hasely

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Ed Hasely</u>	Date <u>2/15/19</u>	Time <u>11:07</u>	Received by: (Signature) <u>Josie G. [Signature]</u>	Date <u>2/15/19</u>	Time <u>11:07</u>	Lab Use Only Received on ice: <u>Y</u> / N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 AVG Temp °C <u>4</u> T2 T3

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Analytical Report

Report Summary

Client: Cross Timbers Energy
Chain Of Custody Number:
Samples Received: 2/1/2019 3:06:00PM
Job Number: 19008-0001
Work Order: P902001
Project Name/Location: Breech D 240E

Report Reviewed By:



Date: 2/5/19

Walter Hinchman, Laboratory Director



Date: 2/5/19

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.

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Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Cross Timbers Energy
400 West 7th Street
Fort Worth TX, 76102

Project Name: Breech D 240E
Project Number: 19008-0001
Project Manager: Ed Hasely

Reported:
02/05/19 15:01

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall	P902001-01A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
West Wall South	P902001-02A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
West Wall North	P902001-03A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
North Wall West	P902001-04A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

East Wall
P902001-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %		50-150	1906002	02/04/19	02/04/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %		50-150	1906002	02/04/19	02/04/19	EPA 8015D	
Surrogate: n-Nonane		96.3 %		50-200	1906004	02/04/19	02/04/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	144	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

West Wall South
P902001-02 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1906002	02/04/19	02/04/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	53.3	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	61.1	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %		50-150	1906002	02/04/19	02/04/19	EPA 8015D	
Surrogate: n-Nonane		88.5 %		50-200	1906004	02/04/19	02/04/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	299	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

West Wall North
P902001-03 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	

Surrogate: 4-Bromochlorobenzene-PID 101 % 50-150 1906002 02/04/19 02/04/19 EPA 8021B

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	

Surrogate: 1-Chloro-4-fluorobenzene-FID 95.4 % 50-150 1906002 02/04/19 02/04/19 EPA 8015D

Surrogate: n-Nonane 85.8 % 50-200 1906004 02/04/19 02/04/19 EPA 8015D

Anions by 300.0/9056A

Chloride	546	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

**North Wall West
 P902001-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	

Surrogate: 4-Bromochlorobenzene-PID 101 % 50-150 1906002 02/04/19 02/04/19 EPA 8021B

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	

Surrogate: 1-Chloro-4-fluorobenzene-FID 95.3 % 50-150 1906002 02/04/19 02/04/19 EPA 8015D

Surrogate: n-Nonane 92.5 % 50-200 1906004 02/04/19 02/04/19 EPA 8015D

Anions by 300.0/9056A

Chloride	179	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1906002 - Purge and Trap EPA 5030A
Blank (1906002-BLK1)

Prepared: 02/04/19 0 Analyzed: 02/04/19 1

Total Xylenes	ND	25.0	ug/kg							
Benzene	ND	25.0	"							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Surrogate: 4-Bromochlorobenzene-PID	8140		"	8000		102	50-150			

LCS (1906002-BS1)

Prepared: 02/04/19 0 Analyzed: 02/04/19 1

Total Xylenes	16300	25.0	ug/kg	15000		109	70-130			
Benzene	4990	25.0	"	5000		99.8	70-130			
Toluene	5060	25.0	"	5000		101	70-130			
Ethylbenzene	5390	25.0	"	5000		108	70-130			
p,m-Xylene	11200	50.0	"	10000		112	70-130			
o-Xylene	5150	25.0	"	5000		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8090		"	8000		101	50-150			

Matrix Spike (1906002-MS1)

Source: P902001-01

Prepared: 02/04/19 0 Analyzed: 02/04/19 2

Total Xylenes	16100	25.0	ug/kg	15000	ND	107	63.3-131			
Benzene	4850	25.0	"	5000	ND	97.1	54.3-133			
Toluene	4990	25.0	"	5000	ND	99.8	61.4-130			
Ethylbenzene	5310	25.0	"	5000	ND	106	61.4-133			
p,m-Xylene	11000	50.0	"	10000	ND	110	63.3-131			
o-Xylene	5050	25.0	"	5000	ND	101	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8150		"	8000		102	50-150			

Matrix Spike Dup (1906002-MSD1)

Source: P902001-01

Prepared: 02/04/19 0 Analyzed: 02/04/19 2

Total Xylenes	16600	25.0	ug/kg	15000	ND	110	63.3-131	3.00	20	
Benzene	5040	25.0	"	5000	ND	101	54.3-133	3.80	20	
Toluene	5120	25.0	"	5000	ND	102	61.4-130	2.54	20	
Ethylbenzene	5460	25.0	"	5000	ND	109	61.4-133	2.79	20	
p,m-Xylene	11300	50.0	"	10000	ND	113	63.3-131	2.84	20	
o-Xylene	5220	25.0	"	5000	ND	104	63.3-131	3.34	20	
Surrogate: 4-Bromochlorobenzene-PID	8160		"	8000		102	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1906002 - Purge and Trap EPA 5030A
Blank (1906002-BLK1)

Prepared: 02/04/19 0 Analyzed: 02/04/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		"	8.00		94.1	50-150			

LCS (1906002-BS2)

Prepared: 02/04/19 0 Analyzed: 02/04/19 1

Gasoline Range Organics (C6-C10)	56.9	20.0	mg/kg	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		"	8.00		97.2	50-150			

Matrix Spike (1906002-MS2)
Source: P902001-01

Prepared: 02/04/19 0 Analyzed: 02/04/19 2

Gasoline Range Organics (C6-C10)	63.7	20.0	mg/kg	50.0	ND	127	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		"	8.00		96.5	50-150			

Matrix Spike Dup (1906002-MSD2)
Source: P902001-01

Prepared: 02/04/19 0 Analyzed: 02/04/19 2

Gasoline Range Organics (C6-C10)	55.6	20.0	mg/kg	50.0	ND	111	70-130	13.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		"	8.00		96.5	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1906004 - DRO Extraction EPA 3570
Blank (1906004-BLK1)

Prepared & Analyzed: 02/04/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	53.0		"	50.0		106	50-200			

LCS (1906004-BS1)

Prepared & Analyzed: 02/04/19 1

Diesel Range Organics (C10-C28)	422	25.0	mg/kg	500		84.4	38-132			
Surrogate: n-Nonane	45.4		"	50.0		90.8	50-200			

Matrix Spike (1906004-MS1)

Source: P902001-01

Prepared & Analyzed: 02/04/19 1

Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132			
Surrogate: n-Nonane	47.1		"	50.0		94.2	50-200			

Matrix Spike Dup (1906004-MSD1)

Source: P902001-01

Prepared & Analyzed: 02/04/19 1

Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132	0.000357	20	
Surrogate: n-Nonane	45.0		"	50.0		90.0	50-200			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

Project Name: Breech D 240E
 Project Number: 19008-0001
 Project Manager: Ed Hasely

Reported:
 02/05/19 15:01

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1906007 - Anion Extraction EPA 300.0/9056A

Blank (1906007-BLK1)

Prepared & Analyzed: 02/04/19 1

Chloride	ND	20.0	mg/kg
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LCS (1906007-BS1)

Prepared & Analyzed: 02/04/19 1

Chloride	254	20.0	mg/kg	250	102	90-110
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Matrix Spike (1906007-MS1)

Source: P902001-01

Prepared & Analyzed: 02/04/19 1

Chloride	416	20.0	mg/kg	250	144	109	80-120
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Matrix Spike Dup (1906007-MSD1)

Source: P902001-01

Prepared & Analyzed: 02/04/19 1

Chloride	402	20.0	mg/kg	250	144	103	80-120	3.32	20
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Cross Timbers Energy
400 West 7th Street
Fort Worth TX, 76102

Project Name: Breech D 240E
Project Number: 19008-0001
Project Manager: Ed Hasely

Reported:
02/05/19 15:01

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Project Information

Chain of Custody

Page 1 of 1

Client: <u>Cross Timbers</u> Project: <u>Breach D 240E</u> Project Manager: <u>Ed Haseley</u> Address: <u>E I</u> City, State, Zip: Phone: <u>505 634 8048</u> Email: <u>ehaseley@mspartners.com</u>		Report Attention Report due by: Attention: <u>Ed Haseley</u> Address: City, State, Zip: Phone: <u>505 634 8048</u> Email: <u>ehaseley@mspartners.com</u>		Lab Use Only Lab WO# <u>P902001</u> Job Number <u>19008-0001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 TPH 418.1		TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/> EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/>	
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
1pm	2/1/19	Soil	1	East Wall	1	X	X	X			X		
			1	West Wall South	2								
			1	West Wall North	3								
			1	North Wall West	4								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ed Haseley *big ice in cooler*

Relinquished by: (Signature) <u>Ed Haseley</u>		Date <u>2/1/19</u>	Time <u>3:06pm</u>	Received by: (Signature) <u>[Signature]</u>		Date <u>2/1/19</u>	Time <u>1506</u>	Lab Use Only	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
								T1 T2 T3	
								AVG Temp °C <u>11.0</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Analytical Report

Report Summary

Client: Cross Timbers Energy

Chain Of Custody Number:

Samples Received: 1/29/2019 12:05:00PM

Job Number: [none]

Work Order: P901041

Project Name/Location: Breech D 240E

Report Reviewed By:



Date: 1/30/19

Walter Hinchman, Laboratory Director



Date: 1/30/19

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall	P901041-01A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
West Wall	P901041-02A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
South Wall East	P901041-03A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
South Wall West	P901041-04A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
North Wall East	P901041-05A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
North Wall West	P901041-06A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.
Bottom	P901041-07A	Soil	01/29/19	01/29/19	Glass Jar, 4 oz.

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

East Wall
P901041-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	78.6	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Toluene	3040	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Ethylbenzene	1500	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
p,m-Xylene	13000	50.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
o-Xylene	3410	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total Xylenes	16500	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total BTEX	21100	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %		50-150	1905012	01/29/19	01/29/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	196	20.0	mg/kg	1	1905012	01/29/19	01/29/19	EPA 8015D	
Diesel Range Organics (C10-C28)	48.8	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		127 %		50-150	1905012	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.0 %		50-200	1905004	01/29/19	01/29/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	80.4	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

West Wall
P901041-02 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total Xylenes	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total BTEX	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %		50-150	1905012	01/29/19	01/29/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1905012	01/29/19	01/29/19	EPA 8015D	
Diesel Range Organics (C10-C28)	64.4	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	149	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %		50-150	1905012	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.8 %		50-200	1905004	01/29/19	01/29/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	223	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

**South Wall East
 P901041-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total Xylenes	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
Total BTEX	ND	25.0	ug/kg	1	1905012	01/29/19	01/29/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %		50-150	1905012	01/29/19	01/29/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1905012	01/29/19	01/29/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %		50-150	1905012	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.5 %		50-200	1905004	01/29/19	01/29/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	105	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

**South Wall West
 P901041-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total Xylenes	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total BTEX	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	50-150		1905012	01/29/19	01/30/19	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1905012	01/29/19	01/30/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	50-150		1905012	01/29/19	01/30/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		100 %	50-200		1905004	01/29/19	01/29/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	152	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

**North Wall East
 P901041-05 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Toluene	160	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Ethylbenzene	25.8	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
p,m-Xylene	252	50.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
o-Xylene	69.2	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total Xylenes	322	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total BTEX	508	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %		50-150	1905012	01/29/19	01/30/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1905012	01/29/19	01/30/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %		50-150	1905012	01/29/19	01/30/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.5 %		50-200	1905004	01/29/19	01/29/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	112	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

**North Wall West
 P901041-06 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	65.1	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Toluene	1720	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Ethylbenzene	641	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
p,m-Xylene	5910	50.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
o-Xylene	1550	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total Xylenes	7460	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total BTEX	9890	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	

Surrogate: 4-Bromochlorobenzene-PID	94.5 %	50-150	1905012	01/29/19	01/30/19	EPA 8021B
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Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	76.9	20.0	mg/kg	1	1905012	01/29/19	01/30/19	EPA 8015D	
Diesel Range Organics (C10-C28)	45.5	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	

Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	50-150	1905012	01/29/19	01/30/19	EPA 8015D
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Surrogate: n-Nonane	103 %	50-200	1905004	01/29/19	01/29/19	EPA 8015D
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Anions by 300.0/9056A

Chloride	112	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Bottom
P901041-07 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Toluene	49.8	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
p,m-Xylene	59.7	50.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total Xylenes	59.7	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	
Total BTEX	109	25.0	ug/kg	1	1905012	01/29/19	01/30/19	EPA 8021B	

<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>98.6 %</i>	<i>50-150</i>	<i>1905012</i>	<i>01/29/19</i>	<i>01/30/19</i>	<i>EPA 8021B</i>
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Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1905012	01/29/19	01/30/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1905004	01/29/19	01/29/19	EPA 8015D	

<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>104 %</i>	<i>50-150</i>	<i>1905012</i>	<i>01/29/19</i>	<i>01/30/19</i>	<i>EPA 8015D</i>
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<i>Surrogate: n-Nonane</i>	<i>105 %</i>	<i>50-200</i>	<i>1905004</i>	<i>01/29/19</i>	<i>01/29/19</i>	<i>EPA 8015D</i>
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Anions by 300.0/9056A

Chloride	123	20.0	mg/kg	1	1905013	01/29/19	01/29/19	EPA 300.0/9056A	
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Cross Timbers Energy
400 West 7th Street
Fort Worth TX, 76102

Project Name: Breech D 240E
Project Number:
Project Manager: Ed Hasely

Reported:
01/30/19 15:47

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1905012 - Purge and Trap EPA 5030A

Blank (1905012-BLK1)

Prepared & Analyzed: 01/29/19 1

Benzene	ND	25.0	ug/kg							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Total Xylenes	ND	25.0	"							
Total BTEX	ND	25.0	"							
Surrogate: 4-Bromochlorobenzene-PID	7660		"	8000		95.7	50-150			

LCS (1905012-BS1)

Prepared & Analyzed: 01/29/19 1

Benzene	5030	25.0	ug/kg	5000		101	70-130			
Toluene	5090	25.0	"	5000		102	70-130			
Ethylbenzene	5140	25.0	"	5000		103	70-130			
p,m-Xylene	10500	50.0	"	10000		105	70-130			
o-Xylene	5080	25.0	"	5000		101	70-130			
Total Xylenes	15600	25.0	"	15000		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7740		"	8000		96.8	50-150			

Matrix Spike (1905012-MS1)

Source: P901041-01

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Benzene	4610	25.0	ug/kg	5000	78.6	90.6	54.3-133			
Toluene	6060	25.0	"	5000	3040	60.3	61.4-130			SPK1
Ethylbenzene	5450	25.0	"	5000	1500	79.0	61.4-133			
p,m-Xylene	15600	50.0	"	10000	13000	25.8	63.3-131			SPK1
o-Xylene	6250	25.0	"	5000	3410	56.8	63.3-131			SPK1
Total Xylenes	21900	25.0	"	15000	16500	36.1	63.3-131			SPK1
Surrogate: 4-Bromochlorobenzene-PID	7360		"	8000		91.9	50-150			

Matrix Spike Dup (1905012-MSD1)

Source: P901041-01

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Benzene	4910	25.0	ug/kg	5000	78.6	96.6	54.3-133	6.32	20	
Toluene	5730	25.0	"	5000	3040	53.8	61.4-130	5.49	20	SPK1
Ethylbenzene	5370	25.0	"	5000	1500	77.5	61.4-133	1.37	20	
p,m-Xylene	13100	50.0	"	10000	13000	0.305	63.3-131	17.8	20	SPK1
o-Xylene	5710	25.0	"	5000	3410	45.9	63.3-131	9.08	20	SPK1
Total Xylenes	18800	25.0	"	15000	16500	15.5	63.3-131	15.2	20	SPK1
Surrogate: 4-Bromochlorobenzene-PID	7780		"	8000		97.2	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1905004 - DRO Extraction EPA 3570
Blank (1905004-BLK1)

Prepared & Analyzed: 01/28/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	49.0		"	50.0		98.0	50-200			

LCS (1905004-BS1)

Prepared & Analyzed: 01/28/19 1

Diesel Range Organics (C10-C28)	441	25.0	mg/kg	500		88.2	38-132			
Surrogate: n-Nonane	48.2		"	50.0		96.4	50-200			

Matrix Spike (1905004-MS1)

Source: P901039-01

Prepared & Analyzed: 01/28/19 1

Diesel Range Organics (C10-C28)	470	25.0	mg/kg	500	ND	94.1	38-132			
Surrogate: n-Nonane	46.0		"	50.0		92.0	50-200			

Matrix Spike Dup (1905004-MSD1)

Source: P901039-01

Prepared & Analyzed: 01/28/19 1

Diesel Range Organics (C10-C28)	483	25.0	mg/kg	500	ND	96.6	38-132	2.65	20	
Surrogate: n-Nonane	51.1		"	50.0		102	50-200			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

 Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1905012 - Purge and Trap EPA 5030A
Blank (1905012-BLK1)

Prepared & Analyzed: 01/29/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		"	8.00		104	50-150			

LCS (1905012-BS2)

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Gasoline Range Organics (C6-C10)	52.4	20.0	mg/kg	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		"	8.00		107	50-150			

Matrix Spike (1905012-MS2)

Source: P901041-01

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Gasoline Range Organics (C6-C10)	149	20.0	mg/kg	50.0	196	NR	70-130			SPK1
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.13		"	8.00		114	50-150			

Matrix Spike Dup (1905012-MSD2)

Source: P901041-01

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Gasoline Range Organics (C6-C10)	96.3	20.0	mg/kg	50.0	196	NR	70-130	42.8	20	D1, SPK1
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		"	8.00		108	50-150			

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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1905013 - Anion Extraction EPA 300.0/9056A

Blank (1905013-BLK1)

Prepared & Analyzed: 01/29/19 1

Chloride	ND	20.0	mg/kg
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LCS (1905013-BS1)

Prepared & Analyzed: 01/29/19 1

Chloride	247	20.0	mg/kg	250	98.8	90-110
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Matrix Spike (1905013-MS1)

Source: P901041-02

Prepared: 01/29/19 1 Analyzed: 01/29/19 2

Chloride	380	20.0	mg/kg	250	223	62.7	80-120			SPK1
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Matrix Spike Dup (1905013-MSD1)

Source: P901041-02

Prepared & Analyzed: 01/29/19 1

Chloride	385	20.0	mg/kg	250	223	64.7	80-120	1.33	20	SPK1
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Cross Timbers Energy
 400 West 7th Street
 Fort Worth TX, 76102

Project Name: Breech D 240E
 Project Number:
 Project Manager: Ed Hasely

Reported:
 01/30/19 15:47

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

D1 Duplicates or Matrix Spike Duplicates or Laboratory Control Sample Duplicates Relative Percent Difference is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

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Project Information

Chain of Custody

Page 1 of 1

Client: <u>Cross Timbers</u>	Report Attention	Lab Use Only	TAT	EPA Program				
Project: <u>Breesh D 240 E</u>	Report due by:	Lab WO# <u>P901041</u>	Job Number	1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>	RCRA	CWA	SDWA	
Project Manager: <u>Ed Hasely</u>	Attention: <u>Ed Hasely</u>	Analysis and Method			State			
Address: <u>PO Box 820</u>	Address: <u>PO Box 820</u>				NM	CO	UT	AZ
City, State, Zip: <u>Aztec NM 87410</u>	City, State, Zip: <u>Aztec NM 87410</u>				<input checked="" type="checkbox"/>			
Phone: <u>505 634 8048</u>	Phone: <u>505 634 8048</u>							
Email: <u>ehasely@mspartners.com</u>	Email: <u>ehasely@mspartners.com</u>							

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
9am	1/29	Soil	1	East Wall	1	X	X	X		X			
			1	West Wall	2								
			1	South Wall East	3								
			1	South Wall West	4								
			1	North Wall East	5								
			1	North Wall West	6								
			1	Bottom	7								

Additional Instructions:

Rush

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ed Hasely

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature) <u>E. Hasely</u>	Date <u>1/29/19</u>	Time <u>12:05 pm</u>	Received by: (Signature) <u>ALV</u>	Date <u>1/29/19</u>	Time <u>12:05 pm</u>	Lab Use Only
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <u>Y</u> / N
						T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech
Analytical Laboratory

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