

APPROVED

By Olivia Yu at 9:02 am, May 03, 2017



NMOCD approves 1RP-4551 for closure without prior approval for the delineation workplan due to miscommunication.

CAT 3 Compressor Station

CLOSURE REPORT

Release Date: December 1, 2016

Unit Letter N, Section 2, Township 23 South, Range 34 East

API No. (closest well) 30-025-27486

NMOCD Case #: Not Assigned

1RP-4551

April 11, 2017

Prepared by:

Laura Flores

Environmental Department

Diversified Field Service, Inc.

206 W. Snyder

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)393-8396

Olivia Yu
Environmental Protection Specialist
New Mexico Oil Conservation District
1625 N French Drive
Hobbs, NM 88240

RE: BTA Oil Producers, LLC – CAT 3 Compressor Station – Closure Report
UL/N, Section 2, T23S, R34E
API No. (closest well) 30-025-27486
NMOCD Score: 0

Ms. Yu,

BTA Oil Producers, LLC (BTA) has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located southwest of Eunice, NM, in Lea County. The spill site resulted from a hole in the tank for the scrubber and compressor dumps. A total of approximately 60 barrels of condensate was released with 15 barrels recovered. An initial C-141 was submitted to NMOCD on December 2, 2016 and (Appendix I).

Site Assessment

On December 5, 2016 DFSI personnel were on site to obtain a sample within the leak area. One samples was obtained and field sampled for chloride levels, as well as BTEX (Figure 1). The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). The soil samples, a 4 ft and a 68 ft sample, were submitted for laboratory analysis at Cardinal Laboratories of Hobbs, NM.

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer, there is no known groundwater beneath this site (Appendix II).

Conclusion

Beginning January 2, 2017, DFSI personnel were on site to remove the tanks and excavate the release area to a depth of approximately 4' bgs (Appendix III). Soils were exported to a NMOCD approved facility for disposal. During the course of excavation, sidewall samples and composite samples were obtained and submitted for analysis at Cardinal Laboratories of Hobbs, NM and Hall Environmental of Albuquerque, NM, establishing a trend of decline (Appendix IV).

In addition to excavation of impacted soils, on January 19, 2017, the composite pile was sprayed with microblaze plus a 24% nitrogen content fertilizer and hay were utilized to encourage aerobic degradation of any remaining TPH constituents in the soil.

At the base of the excavation, a 20-mil poly liner was installed and a new pad was built. In order to provide a secondary barrier in case of future releases, berms were installed and lined.

Based on the report and work completed, any remaining chloride, TPH and BTEX constituents in the vadose zone will not affect groundwater beneath this site; therefore, DFSI, on behalf of BTA, submits the final C-141 (Appendix V) and respectfully requests the closure of the regulatory file for this site.

Please feel free to contact me with any questions concerning this closure request.

Sincerely,



Laura Flores

Report Writer | Diversified Field Service, Inc.

206 West Snyder | Hobbs, NM 88240

Office: (575)964-8394 | Fax: (575)964-8396 | Email: lflores@diversifiedfsi.com

cc: Amber Groves, NM SLO

Figure 1 – Soil Delineation

Appendix I – Initial C-141

Appendix II – Groundwater Study

Appendix III – Site Photos

Appendix III – Laboratory Analyses

Appendix IV – Final C-141

Site Map



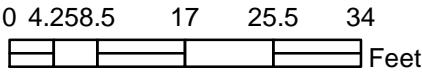
Legend

- Sample Points
- Tanks
- Battery Containment
- Condensate (545 sq ft)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



BTA
CAT 3 Compressor Station
Unit Letter N, Section 2, T23S, R34E
Lea County, NM
API #: 30-025-27486



Appendix I

INITIAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	BTA Oil Producers LLC	Contact	Pam Inskeep
Address	104 S. Pecos, Midland, TX 79701	Telephone No.	(432) 682-3753
Facility Name	CAT 3 compressor station 32.328135 -103.443411	Facility Type	compressor station

Surface Owner	State of NM	Mineral Owner		Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	2	23S	34E					Lea

NATURE OF RELEASE

Type of Release	Minor	Volume of Release	60 BW/Cond	Volume Recovered	15
Source of Release	hole in tank	Date and Hour of Occurrence	8 pm 12/01/2016	Date and Hour of Discovery	11 pm 12/01/2016
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Kristen Lynch - NMOCD		
By Whom?	Pam Inskeep	Date and Hour	11:15 am 12/02/2016		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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

Describe Cause of Problem and Remedial Action Taken.*

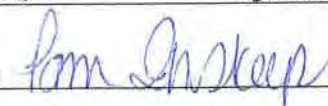
The release is at a compressor site associated with our 8006 Antelope Ridge Gathering System. Our internal name for the site is CAT #3. It is located in the SW/SE of Sec 2, T23S-R34E, Lea Co. near our State 2 #1 location (30-025-27486). The release was discovered late on 12/1/16.

The tank for the scrubber dump and compressor dump for the CAT #3 developed a hole and an estimated 60 bbls of condensate and water mix was released onto the location. All was contained inside the earthen berm around the compressor. The recoverable fluid (an estimated 15 bbls, at present) will be recovered and taken to one of our disposals. The contaminated soil will be removed by Diversified and taken to an approved waste disposal. Clean up will also be completed by Diversified. The damaged tank will be replaced. We will lay a line from the compressor/dump to an empty tank at the State 2 #1 location, until a new tank can be set in the week of 12/05/16. At that time, any fluid that is stored temporarily in that empty tank will be moved back to the new CAT #3 tank.

Describe Area Affected and Cleanup Action Taken.*

See above explanation

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Pam Inskeep		Approved by District Supervisor:	
Title: Regulatory Administrator	Approval Date:	Expiration Date:	
Date: 12/02/2016 Phone: (432) 682-3753	Conditions of Approval:	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Appendix II

GROUNDWATER STUDY

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394



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

No records found.

PLSS Search:

Section(s): 34, 35, 36

Township: 22S

Range: 34E



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

No records found.

PLSS Search:

Section(s): 1, 2, 3, 10, 11, 12 **Township:** 23S **Range:** 34E

Appendix III

SITE PHOTOS

CAT 3 COMPRESSOR STATION

PHOTO PAGE



Site prior



Site prior



Blending spoil pile



Excavating site



Excavation completed



Installed liner at base of excavation



Completed pad



Completed pad

Appendix IV

LABORATORY ANALYSES

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

December 12, 2016

CLAY TIPTON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: CAT COMPRESSOR

Enclosed are the results of analyses for samples received by the laboratory on 12/08/16 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BTA Oil Producers
CLAY TIPTON
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 12/08/2016
Reported: 12/12/2016
Project Name: CAT COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/06/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 4' (H602744-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.122	0.050	12/08/2016	ND	2.25	113	2.00	0.150	
Toluene*	6.07	0.050	12/08/2016	ND	2.32	116	2.00	0.135	
Ethylbenzene*	6.46	0.050	12/08/2016	ND	2.25	112	2.00	0.158	
Total Xylenes*	56.8	0.150	12/08/2016	ND	6.81	114	6.00	0.229	
Total BTX	69.4	0.300	12/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 263 % 73.6-140

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/08/2016	ND	416	104	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	467	10.0	12/09/2016	ND	190	95.0	200	1.17	
DRO >C10-C28	754	10.0	12/09/2016	ND	204	102	200	0.506	

Surrogate: 1-Chlorooctane 96.4 % 35-147

Surrogate: 1-Chlorooctadecane 67.5 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BTA Oil Producers
CLAY TIPTON
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 12/08/2016
Reported: 12/12/2016
Project Name: CAT COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/07/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 68' (H602744-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2016	ND	2.25	113	2.00	0.150	
Toluene*	<0.050	0.050	12/08/2016	ND	2.32	116	2.00	0.135	
Ethylbenzene*	0.120	0.050	12/08/2016	ND	2.25	112	2.00	0.158	
Total Xylenes*	0.840	0.150	12/08/2016	ND	6.81	114	6.00	0.229	
Total BTEX	0.960	0.300	12/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/09/2016	ND	190	95.0	200	1.17	
DRO >C10-C28	34.9	10.0	12/09/2016	ND	204	102	200	0.506	

Surrogate: 1-Chlorooctane 76.9 % 35-147

Surrogate: 1-Chlorooctadecane 72.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

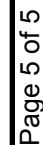
Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

January 12, 2017

CLAY TIPTON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: CAT COMPRESSOR

Enclosed are the results of analyses for samples received by the laboratory on 01/05/17 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BTA Oil Producers
CLAY TIPTON
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 01/05/2017
Reported: 01/12/2017
Project Name: CAT COMPRESSOR
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/05/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW EAST @ 2' (H700047-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2017	ND	1.96	97.8	2.00	0.256	
Toluene*	<0.050	0.050	01/09/2017	ND	1.92	96.2	2.00	0.0186	
Ethylbenzene*	<0.050	0.050	01/09/2017	ND	1.96	98.0	2.00	0.0618	
Total Xylenes*	<0.150	0.150	01/09/2017	ND	5.54	92.3	6.00	0.00642	
Total BTX	<0.300	0.300	01/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/09/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2017	ND	218	109	200	2.08	
DRO >C10-C28	<10.0	10.0	01/07/2017	ND	231	115	200	0.483	

Surrogate: 1-Chlorooctane 108 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

 Received: 01/05/2017
 Reported: 01/12/2017
 Project Name: CAT COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/05/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SW NORTH @ 2' (H700047-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2017	ND	1.96	97.8	2.00	0.256	
Toluene*	<0.050	0.050	01/09/2017	ND	1.92	96.2	2.00	0.0186	
Ethylbenzene*	<0.050	0.050	01/09/2017	ND	1.96	98.0	2.00	0.0618	
Total Xylenes*	<0.150	0.150	01/09/2017	ND	5.54	92.3	6.00	0.00642	
Total BTX	<0.300	0.300	01/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/09/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2017	ND	218	109	200	2.08	
DRO >C10-C28	<10.0	10.0	01/07/2017	ND	231	115	200	0.483	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

 Received: 01/05/2017
 Reported: 01/12/2017
 Project Name: CAT COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/05/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SW SOUTH @ 2' (H700047-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2017	ND	1.96	97.8	2.00	0.256		
Toluene*	<0.050	0.050	01/09/2017	ND	1.92	96.2	2.00	0.0186		
Ethylbenzene*	<0.050	0.050	01/09/2017	ND	1.96	98.0	2.00	0.0618		
Total Xylenes*	<0.150	0.150	01/09/2017	ND	5.54	92.3	6.00	0.00642		
Total BTEx	<0.300	0.300	01/09/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/09/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2017	ND	218	109	200	2.08	
DRO >C10-C28	<10.0	10.0	01/07/2017	ND	231	115	200	0.483	

Surrogate: 1-Chlorooctane 95.8 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BTA Oil Producers
 CLAY TIPTON
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

 Received: 01/05/2017
 Reported: 01/12/2017
 Project Name: CAT COMPRESSOR
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/05/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SW WEST @ 2' (H700047-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2017	ND	1.96	97.8	2.00	0.256	
Toluene*	<0.050	0.050	01/09/2017	ND	1.92	96.2	2.00	0.0186	
Ethylbenzene*	<0.050	0.050	01/09/2017	ND	1.96	98.0	2.00	0.0618	
Total Xylenes*	<0.150	0.150	01/09/2017	ND	5.54	92.3	6.00	0.00642	
Total BTEx	<0.300	0.300	01/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/09/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/07/2017	ND	218	109	200	2.08	
DRO >C10-C28	<10.0	10.0	01/07/2017	ND	231	115	200	0.483	

Surrogate: 1-Chlorooctane 99.4 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BTA		BILL TO		ANALYSIS REQUEST																									
Project Manager:		P.O. #:																											
Address:		Company:																											
City:	State:	Zip:	Attn:																										
Phone #:	Fax #:	Address:																											
Project #:	Project Owner:		City:																										
Project Name:	State:		Zip:																										
Project Location:	Phone #:																												
Sampler Name:	Fax #:																												
FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING																								
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME															
HT00047													11/17	1:30	CL	Tph	Bter												
1 SW 6 @ 2'																													
2 SW N @ 2'																													
3 SW S @ 2'																													
4 SW W @ 2'																													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
<i>Ricky Sherry</i>	11/17	<i>Jodi Benson</i>	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Time:	Received By:	REMARKS:			
	1:20		Carroll to Flores @ diversifiedfsi.com			
			R. Alvarez			
			m. alves			
			m. burton			
			m. patterson			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:				
Sampler - UPS - Bus - Other: #75 1.90	Cool Intact	(Initials)				
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>				



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

January 25, 2017

BRYAN DAVIS

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: CAT 3 COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 01/24/17 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BTA Oil Producers
BRYAN DAVIS
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	01/24/2017	Sampling Date:	01/24/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	CAT 3 COMPRESSOR STATION	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PILE 1 5 PT. (H700156-01)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	104	10.0	01/24/2017	ND	199	99.5	200	1.11	
DRO >C10-C28	901	10.0	01/24/2017	ND	206	103	200	0.951	

Surrogate: 1-Chlorooctane 121 % 35-147

Surrogate: 1-Chlorooctadecane 113 % 28-171

Sample ID: PILE 2 5 PT. (H700156-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	94.1	10.0	01/24/2017	ND	199	99.5	200	1.11	
DRO >C10-C28	852	10.0	01/24/2017	ND	206	103	200	0.951	

Surrogate: 1-Chlorooctane 113 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BTA Oil Producers
BRYAN DAVIS
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	01/24/2017	Sampling Date:	01/24/2017
Reported:	01/25/2017	Sampling Type:	Soil
Project Name:	CAT 3 COMPRESSOR STATION	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PILE 3 5 PT. (H700156-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	149	10.0	01/24/2017	ND	199	99.5	200	1.11	
DRO >C10-C28	1150	10.0	01/24/2017	ND	206	103	200	0.951	

Surrogate: 1-Chlorooctane 114 % 35-147

Surrogate: 1-Chlorooctadecane 97.3 % 28-171

Sample ID: PILE 4 5 PT. (H700156-04)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	102	10.0	01/24/2017	ND	199	99.5	200	1.11	
DRO >C10-C28	912	10.0	01/24/2017	ND	206	103	200	0.951	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BTA		BILL TO		ANALYSIS REQUEST																							
Project Manager: BRYAN DAVIS		P.O. #:																									
Address:		Company:																									
City:	State:	Zip:	Attn:																								
Phone #:	Fax #:	Address:																									
Project #:	Project Owner:		City:																								
Project Name: Cat 3 Compressor Station		State:														Zip:											
Project Location:		Phone #:																									
Sampler Name:		Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (COMP.)	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		<i>TPH 8015</i>																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:													ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
	H700156																										
	1	PILE 1 SPT	C				X																			1-24-17	1058
	2	PILE 2 SPT	C				X																			1	1100
	3	PILE 3 SPT	C				X																			1	1050
	4	PILE 4 SPT	C				X																			1	1056

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Relinquished By: <i>[Signature]</i>	Date: 1-24-17	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1330			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
			M. ALVES Diversified	
			M. BURTON	
			L. FLORES	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: #75 21.20	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials) <i>[Signature]</i>		
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Samples brought directly from



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 03, 2017

Michael Alves

Diversified Field Services, Inc

315 S. Leech St

Hobbs, NM 88240

TEL: (575) 964-8394

FAX

RE: BTA CAT 3 Compressor Station

OrderNo.: 1702077

Dear Michael Alves:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/2/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1702077**

Date Reported: **2/3/2017**

CLIENT: Diversified Field Services, Inc

Client Sample ID: Pile #1 5pt Comp

Project: BTA CAT 3 Compressor Station

Collection Date: 2/1/2017 7:43:00 AM

Lab ID: 1702077-001

Matrix: MEOH (SOIL)

Received Date: 2/2/2017 9:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	110	30		mg/Kg	20	2/2/2017 12:00:47 PM	30028
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	200	18		mg/Kg	5	2/2/2017 11:40:58 AM	G40470
Surr: BFB	114	70-130		%Rec	5	2/2/2017 11:40:58 AM	G40470
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2300	98		mg/Kg	10	2/2/2017 1:32:35 PM	30017
Motor Oil Range Organics (MRO)	770	490		mg/Kg	10	2/2/2017 1:32:35 PM	30017
Surr: DNOP	0	70-130	S	%Rec	10	2/2/2017 1:32:35 PM	30017
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.088		mg/Kg	5	2/2/2017 11:40:58 AM	29991
Toluene	ND	0.18		mg/Kg	5	2/2/2017 11:40:58 AM	29991
Ethylbenzene	ND	0.18		mg/Kg	5	2/2/2017 11:40:58 AM	29991
Xylenes, Total	ND	0.35		mg/Kg	5	2/2/2017 11:40:58 AM	29991
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%Rec	5	2/2/2017 11:40:58 AM	29991
Surr: 4-Bromofluorobenzene	135	70-130	S	%Rec	5	2/2/2017 11:40:58 AM	29991
Surr: Dibromofluoromethane	94.8	70-130		%Rec	5	2/2/2017 11:40:58 AM	29991
Surr: Toluene-d8	90.9	70-130		%Rec	5	2/2/2017 11:40:58 AM	29991

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 1 of 8
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1702077

Date Reported: 2/3/2017

CLIENT: Diversified Field Services, Inc

Client Sample ID: Pile #2 5pt Comp

Project: BTA CAT 3 Compressor Station

Collection Date: 2/1/2017 7:45:00 AM

Lab ID: 1702077-002

Matrix: MEOH (SOIL)

Received Date: 2/2/2017 9:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	120	30		mg/Kg	20	2/2/2017 12:13:11 PM	30028
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	190	21		mg/Kg	5	2/2/2017 12:10:16 PM	G40470
Surr: BFB	113	70-130		%Rec	5	2/2/2017 12:10:16 PM	G40470
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2300	96		mg/Kg	10	2/2/2017 1:54:21 PM	30017
Motor Oil Range Organics (MRO)	780	480		mg/Kg	10	2/2/2017 1:54:21 PM	30017
Surr: DNOP	0	70-130	S	%Rec	10	2/2/2017 1:54:21 PM	30017
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.10		mg/Kg	5	2/2/2017 12:10:16 PM	29991
Toluene	ND	0.21		mg/Kg	5	2/2/2017 12:10:16 PM	29991
Ethylbenzene	ND	0.21		mg/Kg	5	2/2/2017 12:10:16 PM	29991
Xylenes, Total	ND	0.41		mg/Kg	5	2/2/2017 12:10:16 PM	29991
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	5	2/2/2017 12:10:16 PM	29991
Surr: 4-Bromofluorobenzene	134	70-130	S	%Rec	5	2/2/2017 12:10:16 PM	29991
Surr: Dibromofluoromethane	95.2	70-130		%Rec	5	2/2/2017 12:10:16 PM	29991
Surr: Toluene-d8	95.4	70-130		%Rec	5	2/2/2017 12:10:16 PM	29991

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1702077

Date Reported: 2/3/2017

CLIENT: Diversified Field Services, Inc

Client Sample ID: Pile #3 5pt Comp

Project: BTA CAT 3 Compressor Station

Collection Date: 2/1/2017 7:46:00 AM

Lab ID: 1702077-003

Matrix: MEOH (SOIL)

Received Date: 2/2/2017 9:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	120	30		mg/Kg	20	2/2/2017 12:25:36 PM	30028
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	240	20		mg/Kg	5	2/2/2017 12:39:41 PM	G40470
Surr: BFB	122	70-130		%Rec	5	2/2/2017 12:39:41 PM	G40470
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2600	96		mg/Kg	10	2/2/2017 2:15:56 PM	30017
Motor Oil Range Organics (MRO)	780	480		mg/Kg	10	2/2/2017 2:15:56 PM	30017
Surr: DNOP	0	70-130	S	%Rec	10	2/2/2017 2:15:56 PM	30017
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.10		mg/Kg	5	2/2/2017 12:39:41 PM	29991
Toluene	ND	0.20		mg/Kg	5	2/2/2017 12:39:41 PM	29991
Ethylbenzene	ND	0.20		mg/Kg	5	2/2/2017 12:39:41 PM	29991
Xylenes, Total	ND	0.40		mg/Kg	5	2/2/2017 12:39:41 PM	29991
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	5	2/2/2017 12:39:41 PM	29991
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	5	2/2/2017 12:39:41 PM	29991
Surr: Dibromofluoromethane	96.5	70-130		%Rec	5	2/2/2017 12:39:41 PM	29991
Surr: Toluene-d8	93.4	70-130		%Rec	5	2/2/2017 12:39:41 PM	29991

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1702077**Date Reported: **2/3/2017****CLIENT:** Diversified Field Services, Inc**Client Sample ID:** Pile #4 5pt Comp**Project:** BTA CAT 3 Compressor Station**Collection Date:** 2/1/2017 7:49:00 AM**Lab ID:** 1702077-004**Matrix:** MEOH (SOIL)**Received Date:** 2/2/2017 9:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	120	30		mg/Kg	20	2/2/2017 12:38:00 PM	30028
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	210	20		mg/Kg	5	2/2/2017 1:09:13 PM	G40470
Surr: BFB	112	70-130		%Rec	5	2/2/2017 1:09:13 PM	G40470
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2300	94		mg/Kg	10	2/2/2017 1:10:54 PM	30017
Motor Oil Range Organics (MRO)	880	470		mg/Kg	10	2/2/2017 1:10:54 PM	30017
Surr: DNOP	0	70-130	S	%Rec	10	2/2/2017 1:10:54 PM	30017
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.10		mg/Kg	5	2/2/2017 1:09:13 PM	29991
Toluene	ND	0.20		mg/Kg	5	2/2/2017 1:09:13 PM	29991
Ethylbenzene	ND	0.20		mg/Kg	5	2/2/2017 1:09:13 PM	29991
Xylenes, Total	ND	0.40		mg/Kg	5	2/2/2017 1:09:13 PM	29991
Surr: 1,2-Dichloroethane-d4	93.3	70-130		%Rec	5	2/2/2017 1:09:13 PM	29991
Surr: 4-Bromofluorobenzene	130	70-130		%Rec	5	2/2/2017 1:09:13 PM	29991
Surr: Dibromofluoromethane	96.3	70-130		%Rec	5	2/2/2017 1:09:13 PM	29991
Surr: Toluene-d8	91.5	70-130		%Rec	5	2/2/2017 1:09:13 PM	29991

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702077

03-Feb-17

Client: Diversified Field Services, Inc
Project: BTA CAT 3 Compressor Station

Sample ID	MB-30028		SampType: MBLK		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 30028		RunNo: 40495					
Prep Date:	2/2/2017		Analysis Date: 2/2/2017		SeqNo: 1269175		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30028		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 30028		RunNo: 40495					
Prep Date:	2/2/2017		Analysis Date: 2/2/2017		SeqNo: 1269176		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702077

03-Feb-17

Client: Diversified Field Services, Inc
Project: BTA CAT 3 Compressor Station

Sample ID	LCS-30017		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 30017		RunNo: 40459					
Prep Date:	2/2/2017		Analysis Date: 2/2/2017		SeqNo: 1268071		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	63.8	116			
Surr: DNOP	5.3		5.000		107	70	130			

Sample ID	MB-30017	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	PBS	Batch ID: 30017		RunNo: 40459						
Prep Date:	2/2/2017	Analysis Date: 2/2/2017		SeqNo: 1268072		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	70	130			

Sample ID	LCS-29993		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 29993		RunNo: 40459					
Prep Date:	2/1/2017		Analysis Date: 2/2/2017		SeqNo: 1268814		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	70	130			

Sample ID	MB-29993		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 29993		RunNo: 40459					
Prep Date:	2/1/2017		Analysis Date: 2/2/2017		SeqNo: 1268815		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702077

03-Feb-17

Client: Diversified Field Services, Inc
Project: BTA CAT 3 Compressor Station

Sample ID	mb-29991		SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS		Batch ID: 29991		RunNo: 40470					
Prep Date:	2/1/2017		Analysis Date: 2/2/2017		SeqNo: 1268859		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.8	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.5000		85.9	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.1	70	130			
Surr: Toluene-d8	0.46		0.5000		91.8	70	130			

Sample ID	lcs-29991		SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS		Batch ID: 29991		RunNo: 40470					
Prep Date:	2/1/2017		Analysis Date: 2/2/2017		SeqNo: 1268860		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.2	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		87.6	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.5000		86.2	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		86.0	70	130			
Surr: Toluene-d8	0.47		0.5000		93.1	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702077

03-Feb-17

Client: Diversified Field Services, Inc
Project: BTA CAT 3 Compressor Station

Sample ID rb	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: G40470		RunNo: 40470							
Prep Date:	Analysis Date: 2/2/2017		SeqNo: 1268878		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	420		500.0		84.7	70	130			

Sample ID 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: G40470		RunNo: 40470							
Prep Date:	Analysis Date: 2/2/2017		SeqNo: 1268879		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	62.9	123			
Surr: BFB	450		500.0		90.7	70	130			

Sample ID 1702077-001ams	SampType: MS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: Pile #1 5pt Comp	Batch ID: G40470		RunNo: 40470							
Prep Date:	Analysis Date: 2/2/2017		SeqNo: 1268880		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	270	18	87.66	198.4	77.1	52.3	132			
Surr: BFB	1900		1753		108	70	130			

Sample ID 1702077-001amsd	SampType: MSD		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: Pile #1 5pt Comp	Batch ID: G40470		RunNo: 40470							
Prep Date:	Analysis Date: 2/2/2017		SeqNo: 1268881		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	280	18	87.66	198.4	89.0	52.3	132	3.85	20	
Surr: BFB	2100		1753		121	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

Sample Log-In Check List

Client Name: **DIVERSIFIED FIELD SE**

Work Order Number: **1702077**

RcptNo: **1**

Received by/date: AK 02/02/17

Logged By: **Ashley Gallegos** **2/2/2017 9:35:00 AM** AK

Completed By: **Ashley Gallegos** **2/2/2017 9:57:50 AM** AK

Reviewed By: AK 2/2/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

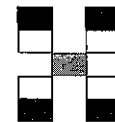
17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Yes			

[illegible]

Turn-Around Time: <u>2/2/17 per Alves</u>		
<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush		
Project Name: <u>BTA CAT 3 COMPRESSOR STATION</u>		
Project #:		
Project Manager: <u>MIKE ALVES</u>		
Sampler: <u>ELIJAH RASCON</u>		
On Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Temperature: <u>2.3 + 8.6 CF</u>		
Container Type and #	Preservative Type	HEAL No.
4oz 9/625	COOL	17080877
↓	↓	-001
		-002
		-003
		-004
Received by: <u>[Signature]</u>	Date	Time
	2/1/17	1023
Received by: <u>[Signature]</u>	Date	Time
	02/02/17	0923



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/1/17	10:23	Laura Glover	Spoh	2/1/17	10:23
Date:	Time:	Relinquished by:	Received by:	Date	Time
4/1/17	1900	Spoh	carman	02/02/17	09:33

Remarks: RUSH
EMAIL: M BURTON
L FLORES
MALVES @DIVERSIFIEDPSI.COM

Appendix V

FINAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BTA Oil Producers, LLC	Contact: Pam Inskeep	
Address: 104 S Pecos, Midland, TX 79701	Telephone No. 432-682-3753	
Facility Name: CAT 3 Compressor Station	Facility Type: Compressor Station	
Surface Owner: State of NM	Mineral Owner:	API No. 30-025-27486 (closest well)

LOCATION OF RELEASE

Unit Letter N	Section 2	Township 23S	Range 34E	Feet from the	North/South Line South	Feet from 1650	East/West Line East	County Eddy
------------------	--------------	-----------------	--------------	---------------	---------------------------	-------------------	------------------------	----------------

Latitude: 32.8318352193832 Longitude: -103.888755956835

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: 60 bbls	Volume Recovered: 15 bbls
Source of Release: Hole in Tank	Date and Hour of Occurrence 12/01/2016 8:00 PM	Date and Hour of Discovery 12/01/2016 11:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kristen Lynch - NMOCD	
By Whom? Pam Inskeep	Date and Hour: 12/02/2016 11:15 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

APPROVED

By Olivia Yu at 9:05 am, May 03, 2017

If a Watercourse was Impacted, Describe Fully.*



Describe Cause of Problem and Remedial Action Taken.*

The release is at a compressor site associated with our 8006 Antelope Ridge Gathering System. Our internal name for the site is CAT #3. It is located in the SWSE of Sec 2, T23S-R348, Lea Co. near our State 2 #1 location (30-025-27486). The release was discovered late on 12/11/16. The tank for the scrubber dump and compressor dump for the CAT #3 developed a hole and an estimated 60 bbls of condensate and water mix was released onto the location. All was contained inside the berm around the compressor. The recoverable fluid (an estimated 15 bbls, at present) was recovered and taken to one of our disposals. The contaminated soil will be removed by Diversified and taken to an approved waste disposal.

Describe Area Affected and Cleanup Action Taken.

Beginning January 2, 2017, DFSI personnel were on site to remove the tanks and excavate the release area to a depth of approximately 4' bgs. Soils were exported to a NMOCD approved facility for disposal. During the course of excavation, sidewall samples and composite samples were obtained and submitted for analysis at Cardinal Laboratories of Hobbs, NM and Hall Environmental of Albuquerque, NM, establishing a trend of decline. In addition to excavation of impacted soils, on January 19, 2017, the composite pile was sprayed with microblaze to encourage aerobic degradation of any remaining TPH constituents in the soil. At the base of the excavation, a 20-mil poly liner was installed and a new pad was built. In order to provide a secondary barrier in case of future releases, berms were installed and lined.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Pam Inskeep	Approved by Environmental Specialist: 	
Title: Regulatory Administrator	Approval Date: 5/3/2017	Expiration Date: xx/xx/xxxx
E-mail Address: pinskeep@btaoil.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 03/07/2017 Phone: 432-682-3753		

* Attach Additional Sheets If Necessary