



CAT 3 Compressor Station

WORK PLAN

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

December 13, 2016

Prepared by:

Michael Burton, Environmental Operations Director
Environmental Department
Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

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FIGURE

- 1 – Site Map

APPENDICES

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

**RE: BTA Oil Producers, LLC – CAT 3 Compressor Station –
Remediation Work Plan**

UL/N, Section 2, T23S, R34E
API No. (closest well) 30-025-27486
NMOCD Score: 0

Ms. Lynch,

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 (Appendix II). 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 (Appendix III).

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 IV).

Conclusion

After careful review DFSI, on behalf of BTA, would like to propose the following:

The tank will be removed entirely and excavated to a depth of 4' bgs. Prior to any additional remediation and installation work, a confirmatory 4' sample of sidewalls will be submitted to an approved facility for analysis. A new pad, with an installed liner at the base, will be built. In order to provide a secondary barrier in case of future releases, berms will be installed and lined.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

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

Sincerely,



Michael Burton
Environmental Operations Director | Diversified Field Service, Inc.
206 West Snyder | Hobbs, NM 88240
Office: (575)964-8394 | Mobile: (575)390-5454
Fax: (575)964-8396 | Email: Mburton@diversifiedfsi.com

Cc: Shelly Tucker, BLM





Figures: Site Diagram

Appendices: Initial C-141
Site Photos
Laboratory Analysis
Groundwater Study

Site Map



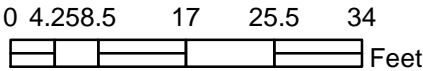
Legend

-  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.*

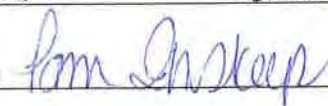
The release is at a compressor site associated with our 8006 Antelope Ridge Gathering System. Our internal name for the site is CAT #3. It is located in the SW/SE of Sec 2, T23S-R34E, Lea Co. near our State 2 #1 location (30-025-27486). The release was discovered late on 12/1/16.

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

SITE PHOTOS

CAT 3 COMPRESSOR STATION

PHOTO PAGE



Site prior

Appendix III

LABORATORY ANALYSIS

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	Sampling Date:	12/06/2016
Reported:	12/12/2016	Sampling Type:	Soil
Project Name:	CAT COMPRESSOR	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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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*=Accredited Analyte

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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

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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: BTA			State:											Zip:												
Project Location: CAT Compressor			Phone #:																							
Sampler Name: Ricky Alvarez			Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
H602744																										
2	SP 1 @ 4'														12-6-16	8:40	X	X	X							
	SP 1 @ 68'												12-7-16	3:49	X	X	X									

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Relinquished By: Ricky Alvarez	Date: 12/8/16	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 4:45	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Date:	Sample Condition	REMARKS:	
Sampler - UPS - Bus - Other:	Time:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	email to: IFlores @ diversifiedfsi.com	
		Checked By: (Initials)	R Alvarez	
			m alves	
			m burton	
			m patterson	

Appendix IV

GROUNDWATER STUDY



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