<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u>

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Re-

By OCD District 1 at 12:01 pm, Aug 13, 2015

RECEIVED

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPERA	OR		☐ Initia	l Report	\boxtimes	Final Report
Name of Co	mpany	BTA Oil Pro	ducers			Contact	Pam Inske	еер				
Address		104 S. Pecos	, Midlan	d, TX 79701		Telephone N	lo. (432) 682	-3753				
Facility Nar	ne	9418 JV-P V	aca Dra	w Battery		Facility Typ	e Tank Bat	tery				
Surface Ow:	ner USA			Mineral O	wner				Lease N	lo. NMN	M9715	53
				LOCA	TIOI	N OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
A	10	25S	33E	190	North		330	East		Lea		
				NAT	HRE	OF RELI	TASE					
Type of Relea	ase	Minor		IVAI	CKE		Release 45 bbl	oil	Volume R	Recovered	40 bl	bl oil
Source of Rel			ve malfun	ction			our of Occurrence			Hour of Dis		01 011
=						early morn			1 pm 6 20			
Was Immedia	ite Notice (If YES, To						1
			es 🔲 N	lo 🗌 Not Requi	red	Tomas Obe	erding – NMOCD	Jim A	imos, BLM	1		
By Whom?		Pam Insk	еер				our 5:30 p.m. (
Was a Watero	course Read		Yes 🛛	No		If YES, Vo	lume Impacting t	he Wate	rcourse.			
If a Watercou	rse was Im	pacted, Descri	be Fully.*	:		V.						
N/	'A											
. "	•											
Describe Cau	se of Probl	em and Remed	lial Action	Taken.*								
BTA. The cu battery. It wa	t out dump s originally	valve malfund thought that	ctioned an all of the f	a Plains truck drived released oil into luid remained in the dat the #2H well	the cont	ntainment. Al ainment. Hov	l fluid possible w vever, some fluid	as vacuu	ımed up an	id returned t	o a tank	c at the
UPDATE: Cacceptable te				oints (diagram at nent liner.	ttached) and sample	ed soil (analyses	attached	d). All san	nple sites ar	e withi	in
Describe Area	Affected a	and Cleanup A	ction Tak	en.*			22221					
C1	1					A	PPROVI	ED				
See an	ove explan	ation				B	OCD Distr	rict 1 a	at 12:01	1 pm, Au	g 13,	, 2015
regulations all public health of should their of	operators or the environs had been to be the operations and the operations had been to be the operations and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators had been to be the operators and the operators are not operators.	are required to conment. The ave failed to a ddition, NMO	report an acceptanc dequately CD accept	is true and comple d/or file certain re e of a C-141 report investigate and re tance of a C-141 re	lease no t by the mediate	otifications ar NMOCD ma contamination	nd perform correct arked as "Final Re on that pose a thre	tive action eport" do eat to gro	ons for rele oes not reli ound water	eases which eve the oper , surface wa	may en ator of ter, hur	danger liability man health
, , , , , , , , , , , , , , , , , , , ,		1	. /				OIL CON	SERV	ATION	DIVISIO	N	
Signature:	tan	IM	May	V					1 dou			
Printed Name:	: P	am Inskeep				Approved by	District Supervi	sor:	Jam X Vhye			
Title:	R	egulatory Adr	ninistrator	-		Approval Dat	e: 08/13/2015	E	Expiration 1	Date:		
Date: 08/0	7/2015 P	hone: (432) 6	82-3753			Geotag Conditions of	ged photos of ren Approval:	nediatio	n required.	Attached		RP 3705
Attach Additi	ional Shee	ts If Necessa	iry				300					

SAMPLE 0# 6×20 Auto 五世の dirt pipe we removed



August 03, 2015

TODD ROBERSON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: VACA DRAW CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/31/15 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/ga/lab accred certif.html.

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

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

Celey D. Keine

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



BTA Oil Producers TODD ROBERSON 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/31/2015 Sampling Date: 07/31/2015

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VD01 (H501997-01)

BTEX 8021B	mg,	r r g	Alluly20	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.19	1.00	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	29.4	1.00	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	4.62	1.00	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	48.2	3.00	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	83.3	6.00	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 85.6-13	7						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1670	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	8880	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	1220	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	220	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	238	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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07/31/2015



NOT GIVEN

Analytical Results For:

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

Received: 07/31/2015 Sampling Date:

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Sample ID: VD02 (H501997-02)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	<0.050	0.050	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	<0.050	0.050	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	<0.300	0.300	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	<10.0	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	<10.0	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	114 9	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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BTA Oil Producers TODD ROBERSON 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/31/2015 Sampling Date: 07/31/2015

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VD03 (H501997-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	0.073	0.050	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	<0.050	0.050	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	0.233	0.150	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	0.306	0.300	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 85.6-13	7						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	47.2	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	<10.0	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	118 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120	% 52.1-17	'6						

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

Received: 07/31/2015 Sampling Date: 07/31/2015

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: VD04 (H501997-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	<0.050	0.050	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	<0.050	0.050	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	<0.300	0.300	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 85.6-13	7						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	200	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	30.2	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	115	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	138	% 52.1-17	6						

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BTA Oil Producers TODD ROBERSON 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/31/2015 Sampling Date: 07/31/2015

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VD05 (H501997-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	0.997	0.050	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	1.80	0.050	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	7.79	0.150	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	10.6	0.300	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 85.6-13	7						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	136	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	862	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	130	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	134	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	130	% 52.1-17	' 6						

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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BTA Oil Producers TODD ROBERSON 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/31/2015 Sampling Date: 07/31/2015

Reported: 08/03/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Judy Garcia

Project Location: **NOT GIVEN**

Sample ID: VD06 (H501997-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2015	ND	1.98	99.2	2.00	3.64	
Toluene*	0.556	0.050	08/03/2015	ND	2.02	101	2.00	4.60	
Ethylbenzene*	0.342	0.050	08/03/2015	ND	2.17	108	2.00	5.97	
Total Xylenes*	1.38	0.150	08/03/2015	ND	5.68	94.7	6.00	6.65	
Total BTEX	2.28	0.300	08/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 85.6-13	7						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	36.5	10.0	08/03/2015	ND	207	103	200	1.74	
DRO >C10-C28	201	10.0	08/03/2015	ND	179	89.3	200	5.83	
EXT DRO >C28-C35	29.2	10.0	08/03/2015	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118	% 52.1-17	'6						

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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 *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 12 + VI Frocures	S	BILL TO	A	ANALYSIS REQUEST
Project Manager: Todd Robe esow		P.O. #:		
Address: 1416 W. Beondway	Co	Company:		
State: NM	Zip: 88240 Attn:	n:		
Phone #: 575 - 631- 3/29 Fax #:		Address:		
Project #: Project Owner:	City:	y:		
Project Name:	State:	ite: Zip:		
Project Location: VACA DAAW C	CTB Ph	Phone #:		
Sampler Name:	Fax	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.		COOL	TEX PH L	
H501997	# CONT	ACID/B	TIME B	
1001	2	7/3/18	111	
N 1001	2		\ \ \	
4. VD04	7		\ \ \	
SIV DOS	5 1		\ \ \	
6 VD06	5		\	
PLEASE NOTE: Leating and Jamages. Castinals liability and clents exclusive remody for any datin arising whether based in contract or bit, 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 consequental 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 hereurder by Cardinal regardless of whether such datin is based upon any of the above stated reasons or otherwise.	y claim arising whether based in contract or tort eemed waived unless made in writing and recei without limitation, business interruptions, loss of dilinat regardless of whether such claim is base	t, shall be limited to the amount paid by the wed by Cardinal within 30 days after com f use, or loss of profits incurred by client, ad upon any of the above stated reasons	yn the client for the completion of the applicable nnt its subsidiaries, ons or otherwise.	
Relinquished By: Mont Pandoful Time:	Received By:		ult: Yes No	Add'l Phone #: Add'l Fax #:
Relinquished By: Path	Received By:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		

Sample Condition
Cool Intact
Yes 7 Yes
No No

CHECKED BY:

Sampler - UPS - Bus - Other:



August 06, 2015

TODD ROBERSON

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: VACA DRAW CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/05/15 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/ga/lab accred certif.html.

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

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

Celey D. Keine

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



BTA Oil Producers TODD ROBERSON 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 08/05/2015 Reported: 08/06/2015

Project Name: VACA DRAW CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: VD07-L (H502028-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2015	ND	1.93	96.4	2.00	1.12	
Toluene*	<0.050	0.050	08/06/2015	ND	1.92	96.2	2.00	0.00411	
Ethylbenzene*	<0.050	0.050	08/06/2015	ND	2.09	105	2.00	0.135	
Total Xylenes*	<0.150	0.150	08/06/2015	ND	5.47	91.2	6.00	0.0753	
Total BTEX	<0.300	0.300	08/06/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 85.6-13	7						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/06/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/05/2015	ND	195	97.6	200	6.22	
DRO >C10-C28	<10.0	10.0	08/05/2015	ND	177	88.5	200	9.55	
EXT DRO >C28-C35	<10.0	10.0	08/05/2015	ND					
Surrogate: 1-Chlorooctane	102	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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08/04/2015



Analytical Results For:

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

Received: 08/05/2015 Sampling Date:

Reported: 08/06/2015 Sampling Type: Soil

Project Name: VACA DRAW CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: **NOT GIVEN**

Sample ID: VD08 (H502028-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2015	ND	1.93	96.4	2.00	1.12	
Toluene*	<0.050	0.050	08/06/2015	ND	1.92	96.2	2.00	0.00411	
Ethylbenzene*	<0.050	0.050	08/06/2015	ND	2.09	105	2.00	0.135	
Total Xylenes*	<0.150	0.150	08/06/2015	ND	5.47	91.2	6.00	0.0753	
Total BTEX	<0.300	0.300	08/06/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 :	% 85.6-13	<u>:</u> 7						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/06/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/05/2015	ND	195	97.6	200	6.22	
DRO >C10-C28	285	10.0	08/05/2015	ND	177	88.5	200	9.55	
EXT DRO >C28-C35	44.5	10.0	08/05/2015	ND					
Surrogate: 1-Chlorooctane	113 9	% 47.2-15	7						
Comment of Chlores at also me	122	0/ 52.1.15	16						

Surrogate: 1-Chlorooctadecane 133 % 52.1-176

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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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

bgrinus & blacil. lon	Sample Condition CHECKED BY: Cool Intact (Mittals) Cool No No	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
bours & stapil.com		
Eamil Results to : told & frinity oil field services com	Date: Received By:	Rélinquished By:
Phone Result: Yes No Add'I Fax #: REMARKS:	1515 Received By:	Relinquished By:
	dand received by Condition within 50 days once ones, loss of use, or loss of profits incurred by claim is based upon any of the above stated rear	analyses. All claims including those for negligence and any other cause whatscever shall be deemed waived unless made in writing service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interrupt service. In no event shall Cardinal be liable for incidental or consequence of services hereunder by Cardinal regardless of whether suid; or
client for the	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	PLEASE NOTE: Liability and Damages. Cardinal's liability and clie
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	8-4.16 5.00	2 1008
	_	- LUGN 1
TIME	# CC GRC WAS SOII OIL SLU OTH ACI ICE	HS02228
	RAB CONTA	Lab I.D.
Sh la 11 13te	DR (C)O IINERS DWATER VATER SE:	Cample ID
25 H	3	FOR LAB USE ONLY
	Fax #:	Sampler Name: Brian Dow's
	Phone #:	on:
	State: Zip:	Project Name: Vaca Draw (
	Project Owner: City:	Project #:
	Fax #: Address:	ne #:
	State: Zip: Attn:	City:
	Company:	Address:
	P.O. #:	Project Manager: /Scar
ANALYSIS REGUES	burs BILL TO	Company Name: 1374 011 Pro
	575) 393-2476	(575) 393-2326 FAX (575) 393-2476
	bbs, NM 88240	101 East Marland, Hobbs, NM 88240

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