

November 6, 2014

Oil Conservation Division District 2 – Artesia 811 S. First St. Artesia, NM 88210

Re: Shawnee Federal Battery

30-015-30628 Sec. 15, T17S-R30E Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit the enclosed documents for closure of the Shawnee Federal Battery release reported on the C-141 Initial submitted October 2, 2014.

The release was due to a valve that was left slightly open on the circulating pump resulting in the release of 20 barrels of oil of which 18 barrels were recovered. The released fluid was contained within the berm facility. An initial excavation of 4-6" in depth was done within the impacted area with all impacted material hauled to an approved NMOCD facility.

The release area was sampled at depths of 1' and 2' for S1, S2, and S3 shown on the attached site diagram. Sample results for TPH and BTEX are within RRAL's for a site ranking of zero (depth to ground water >375' per Chevron Trend Map).

A signed C-141 Final is enclosed for your consideration. Please feel free to contact me with any further questions or concerns at (575) 748-6933.

Sincerely,

Lupe Carrasco

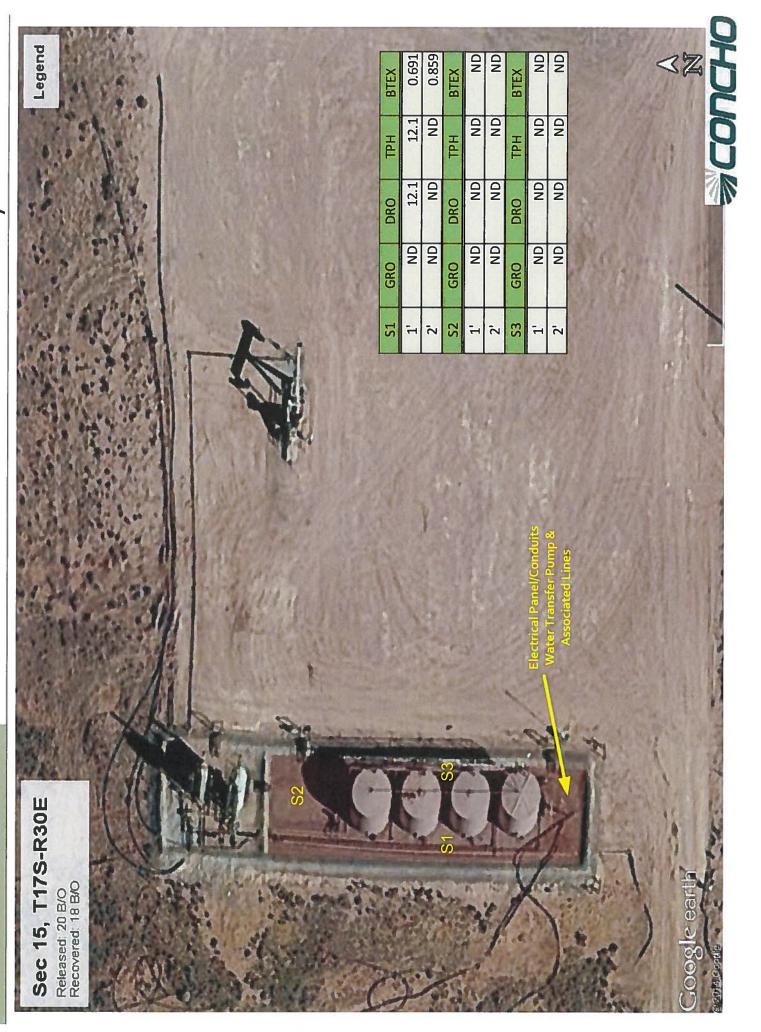
**Environmental Coordinator** 

One Courses

Enclosed: Site Diagram

Analytical Results C-141 Initial (Copy)

C-141 Final





October 21, 2014

**LUPE CARRASCO** 

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SHAWNEE FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 10/16/14 11:00.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S1-1' (H403186-01)

BTEX 8021B

ma/ka

Analyzed By: MS

DILX GOZIB	mg/r	<u> </u>	Analyze	iu by: M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	0.103	0.050	10/20/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	0.187	0.050	10/20/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	0.400	0.150	10/20/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	0.691	0.300	10/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 %	61-154							
TPH 8015M	mg/k	g	Analyze	d By: MS					

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	10/17/2014	ND	188	93.9	200	0.805	
DRO >C10-C28	12.1	10.0	10/17/2014	ND	190	95.0	200	2.86	

Surrogate: 1-Chlorooctane 104 % 47.2-157
Surrogate: 1-Chlorooctadecane 111 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thitty (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, affiliables or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratorities.





COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number:

NONE GIVEN

107%

115 %

47.2-157

52.1-176

Project Location:

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S1-2' (H403186-02)

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	10/20/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	0.058	0.050	10/20/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	0.252	0.050	10/20/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	0.549	0.150	10/20/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	0.859	0.300	10/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154							
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	10/17/2014	ND	188	93.9	200	0.805	
DRO >C10-C28	<10.0	10.0	10/17/2014	ND	190	95.0	200	2.86	

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

# Sample ID: S2-1' (H403186-03)

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	10/17/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	<0.050	0.050	10/17/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/17/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	<0.150	0.150	10/17/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	<0.300	0.300	10/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	61-154	_						_
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	10/17/2014	ND	188	93.9	200	0.805	
DRO >C10-C28	<10.0	10.0	10/17/2014	ND	190	95.0	200	2.86	
Surrogate: 1-Chlorooctane	109 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118 9	6 52.1-170	5						

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\*=Accredited Analyte

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number: Project Location: NONE GIVEN

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

190

95.0

200

2.86

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S2-2' (H403186-04)

BTEX 8021B

DRO >C10-C28

BIEX 8021B	mg/	кд	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	<0.050	0.050	10/17/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/17/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	<0.150	0.150	10/17/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	<0.300	0.300	10/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	61-154							
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	10/17/2014	ND	188	93.9	200	0.805	

10/17/2014

Surrogate: 1-Chlorooctane	107 %	47.2-157
Surrogate: 1-Chlorooctadecane	116%	52.1-176

<10.0

10.0

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\*=Accredited Analyte

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S3-1' (H403186-05)

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	10/17/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	<0.050	0.050	10/17/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/17/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	<0.150	0.150	10/17/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	<0.300	0.300	10/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	61-154				*50			
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	10/17/2014	ND	188	93.9	200	0.805	
DRO >C10-C28	<10.0	10.0	10/17/2014	ND	190	95.0	200	2.86	
Surrogate: 1-Chlorooctane	109 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	119 9	52.1-170	5						

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\*=Accredited Analyte

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

10/16/2014

Reported:

10/21/2014

Project Name:

SHAWNEE FEDERAL #1

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

10/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S3-2' (H403186-06)

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	10/17/2014	ND	1.74	86.8	2.00	4.70	
Toluene*	<0.050	0.050	10/17/2014	ND	1.73	86.6	2.00	4.59	
Ethylbenzene*	<0.050	0.050	10/17/2014	ND	1.74	87.0	2.00	4.74	
Total Xylenes*	<0.150	0.150	10/17/2014	ND	5.14	85.7	6.00	4.45	
Total BTEX	<0.300	0.300	10/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 61-154							
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	10/17/2014	ND	188	93.9	200	0.805	
DRO >C10-C28	<10.0	10.0	10/17/2014	ND	190	95.0	200	2.86	
Surrogate: 1-Chlorooctane	94.9	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	103 9	% 52.1-176	5						

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\*=Accredited Analyte

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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

Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keena



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

AGGI Fax #:	12	gcarrasc	REMARKS:	RR	27	7	7	9	Time:	- T	1
	No.	☐ Yes	Phone Result:	P			Ву:	Received By	ate:	ø	Relinquished By:
			its subsidiaries, or otherwise	ous of type, or loss of profits incurred by client, its subsidiaries s based uhen any of the above stated reasons or otherwise.	age, or loss of pro		business intens s of whether su	vout limitation rust, regardles	of damages, including with vices hereunder by Card	service. In no event shall Caranas be lable for encodertal or consequental damages, including without limitation, business interruptions, affiliates or successors arising out of or related to the performance of services hereunder by Carafinal, regardless of whether such claims	service. In no event shall Car affiliates of successors arising
			he client for the	rt, shall be limited to the amount paid by the client for the	shall be firsted to	contract or bort	hether based in	opvising must	actuates remedy for any o	PLEASE NOTE: Lability and Damages. Cardinat'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 anishes All darins including those for perdicate and any other cause whatsoever shall be deemed waived unless made in written and received by Cardinal within 30 days after commission of the acceptance.	PLEASE NOTE: Liability and
	The second secon		- Andrews - Andr								
		×	×	10/15/14						S3-2'	6
		×	×	10/15/14						S3-1'	(S
		×	×	10/15/14		1				S2-2'	4
		×	×	10/15/14						S2-1'	W
		×	×	10/15/14						S1-2'	1
		×	×	10/15/14						S1-1'	)-
	Chlori	ТРН	BTEX	DATE	ACID/ ICE / C OTHE	OIL SLUD OTHE	SOIL	# CON	(C)PA	G	981501H
	de				COOL	R:	EWATER	NTAINERS UNDWATER	B OR (C)OM	Sample I.D.	Lab I.D.
				SAMPLING	PRESERV.		MATRIX		D		FOR LABUSE ONLY
					*	Fax #				Lupe Carrasco	Sampler Name:
			-	(432) 221-0388	Phone #: (432)	Pho					Project Location:
				Zip: 79701	State: TX Z	Stat				Shawnee Federal #1	Project Name: S
		· · · · · · ·		Midland		City:			Project Owner:	Pr	Project #:
			Ų,	600 W Illinois	Address:	Add			Fax #:	(575) 748-6940 Fa	Phone #:
				Robert McNeill		Attn:	88210	Zip	State: NM	(A	City: Artesia
			ПС	COG Operating LLC	Company: C	Cog				2208 West Main	Address: 2208
					井	P.O. #:				Lupe Carrasco	Project Manager:
ANALYSIS REQUEST			000000 000000 00000 00000 00000 00000 0000		777.	*****				COG Operating LLC	Company Name:

Belinguished By:

Time:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Sample Condition
Cool Intact
TYes 14765
No 1 No

CHECKED BY:

atruillo@concho.com

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 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

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

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

Form C-141

Revised August 8, 2011

			Rele	ease Notific	catio	n and Co	rrective A	ction						
						OPERATOR Initial Report Final I								
		OG Operati				Contact: Robert McNeill								
		inois Avenu		d TX 79701			lo. 432-230-007	77						
Facility Nar	ne: Shawn	ee Federal E	Battery			Facility Typ	e: Battery							
Surface Ow	mer: Feder	al		Mineral (	Owner:	Federal			API No	30-015-3	0628			
				LOCA		N OF REI	LEASE							
Unit Letter J	Section 15	Township 17S	Range 30E	Feet from the 1650'		/South Line South	Feet from the 2310'	255	Vest Line East		County Eddy			
				LatitudeN32	49.903	' Longitude	W103 57.542'							
				NAT	URE	OF RELI	EASE							
Type of Rele	ase:	-				Volume of			Volume R	ecovered:				
Oil Source of Re	1					20 bbls			18 bbls					
Valve	icasc.					9/21/2015	our of Occurrence	e:	9/21/2015	Hour of Dis 8:00 am	covery:			
Was Immedia	ate Notice (					If YES, To			2,21,2013	0.00 till				
			Yes 🗌	No 🛛 Not Ro	equired									
By Whom?						Date and H	_							
Was a Water	course Reac		Yes 🗌	No		If YES, Vo	lume Impacting t	he Water	rcourse.					
*C ***														
If a Watercou	irse was im	pacted, Descri	ibe Fully.*											
Describe Con	CD1-1		11-1 A 41	T 1 *										
		em and Remed			e was sli	ghtly opened	esulting in the re	lease A	vacuum tri	ick was dis	enatched to recov	ver		
all standing f		.,		pp. 2		Bini, opened	esaming in the re	10000, 11	vacuum m	20K W43 413	parenea to recov	701		
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*										
The release w	as containe	d inside the b	ermed area	a. A crew was dis	spatched	to remove im	pacted soil. Conc	ho will h	nave the spi	ill site samp	pled to delineate	any		
	amination fi	rom the releas	e and we v	vill present a rem	nediation	work plan to	the NMOCD for	approva	l prior to ar	ny significa	int remediation			
work.														
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to th	ne best of my	cnowledge and ur	nderstand	d that pursu	ant to NM	OCD rules and			
regulations al	l operators	are required to	report an	d/or file certain r	elease n	otifications an	d perform correct	tive actio	ns for rele	ases which	may endanger			
public health	or the envir	onment. The	acceptance	e of a C-141 repo	ort by the	e NMOCD ma	rked as "Final Re on that pose a thre	eport" do	es not relie	ve the oper	rator of liability	<b>41</b> .		
or the enviror	ment. In a	ddition. NMO	CD accept	ance of a C-141	renort d	e contaminationes not relieve	the operator of r	esnonsih	und water,	Surface wa	iter, numan nealt	th		
federal, state,					. sport d		e operator or r	-apolial0	11119 101 00	inpliance w	ini any omoi			
		,					OIL CONS	SERVA	ATION I	DIVISIO	)N			
Signature:		-/Le	سأرا	Ca.										
						Approved by 1	Environmental Sp	necialist.						
Printed Name	: Amanda	Trujillo				1.1			-		_			
Title: Senior I	Environmer	ntal Coordinat	or			Approval Date	<del>:</del>	Е	xpiration D	ate:				
E-mail Addre	ss: atrujillo	@concho.com	1			Conditions of Approval:				Attached				
Date: Octobe	er 2 2014	1	Phone: 574	5-748-6940	Attached									
Attach Addit				7-7-0-0240				-						
	TOTIGE DIEGO		~ · ·											

<u>District 1</u> 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**

Form C-141 Revised August 8, 2011

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

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

			Rele	ase Notific	ation	tion and Corrective Action							
						<b>OPERA</b>	ГOR		Initia	al Report	$\boxtimes$	Final Report	
Name of Co					$\overline{}$		bert McNeill						
Address: 60				d TX 79701		_	No. 432-230-007	77					
Facility Nar	ne: Shawne	ee Federal B	attery			Facility Typ	e: Battery						
Surface Ow	ner: Federa	ıl		Mineral C	)wner: I	Federal			API No	. 30-015 <b>-</b> 3	0628		
				LOCA	TION	OF REI	LEASE						
Unit Letter J	Section 15	Township 17S	Range 30E	Feet from the 1650'	Į.	South Line	Feet from the 2310'	East/We Eas			Count		
				LatitudeN32	49.903'	' Longitude	W103 57.542'	•					
				NAT	URE	OF RELI	EASE						
Type of Relea	ase:					Volume of 20 bbls	Release:		olume R 8 bbls	lecovered:			
Source of Rel	lease:						our of Occurrence			Hour of Dis	covery:		
Valve						9/21/2015				8:00 am			
Was Immedia	ite Notice G		Yes	No 🛛 Not Re	quired	If YES, To	Whom?						
By Whom?						Date and H	lour:		~				
Was a Watero	ourse Reacl	ned?	No		If YES, Volume Impacting the Watercourse.								
lf a Watercou	rse was 1mn	acted Descri	he Fully *										
Describe Cau The release w	as caused by				was slig	ghtly opened	resulting in the re	lease. A va	acuum tr	uck was disp	patched	to recover	
	as contained	d inside the be	ermed area	a. A crew was disp			pacted soil. Conc the NMOCD for						
regulations al public health should their o	l operators a or the environ perations ha ment. In ad	one required to comment. The eve failed to a dition, NMO	report and acceptance dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	elease no rt by the emediate	otifications and NMOCD ma contamination	knowledge and und perform correct arked as "Final Reconding that pose a three the operator of reconding the control of the con	tive action eport" does eat to grou	s for rele s not reli nd water	ases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health	
Signature:	1	-/Lu	أزز	lle			OIL CONS	<u>SERVA</u>	TION	<u>DIVISIC</u>	<u>N</u>		
Printed Name	: Amanda 7	rujillo			. A	Approved by	Environmental Sp	pecialist:					
Title: Senior I	Environmen	tal Coordinate	or		A	Approval Date	e:	Exp	piration I	Date:			
E-mail Addre	ss: atrujillo@	vconcho.com	·			Conditions of	Approval:			Attached			

Phone: 575-748-6940

Date: November 5, 2014

<sup>\*</sup> Attach Additional Sheets If Necessary