nJMW1317737425 – Dozier Federal Com 1 (06.16.2013)

- 1. Incident Occurred (Initial C-141 Signed) Page 2
- 2. Soil Assessment and Remediation Work Plan Page 3-36
- 3. Talon Request to OCD to backfill after excavating to 10' Page 37-38
- 4. Photolog of Excavation area Page 39-42
- 5. BLM approval to backfill Page 43-45
- 6. OCD request to collect samples at 11' & 12' but agreed to continue with backfill operations Page 46-49
- 7. Email containing Lab results from 11' & 12' samples, not exceeding regulatory levels Page 50
- 8. Analytical Results (11' & 12') Page 51-55
- 9. Analytical Results from reclamation activities Page 56-62
- 10. Final C-141 (from today, since no evidence was found of final closure report) Page 63

This is all the information I could find after looking through previous employees' emails and after contacting Talon, who did the remediation work. The last communication I have between Cimarex employees and Mike Bratcher was on 12.20.2013 (Page 50).

1625 N. French Dr., Hobbs, NM 88240 Energy Mine <u>District II</u> Energy Mine 1301 W. Grand Avenue, Artesia, NM 88210 Oil Co <u>District III</u> 001 Co 1000 Rio Brazos Road, Aztec, NM 87410 1220 S <u>District IV</u> 1220 S 1220 S. St. Francis Dr., Santa Fe, NM 87505 San	ate of New Mexico herals and Natural Resources Conservation Division South St. Francis Dr. nta Fe, NM 87505
TI	ation and Corrective Action
NJMW 1317737425	OPERATOR Initial Report Final Repo
Name of Company-Cimarex Energy 1626 Address-600 N Marienfeld Ste 600, Midland Tx 79701	Contact- James Tinney Telephone No. 575 706 0095
Facility Name-Dozier Federal Com 1	Facility Type- Tank battery
Surface Owner Mineral Ow	wner Lease No.
Surface Owner Ivinteral Ow	TION OF RELEASE API 30-015-10804
LOCAT	TION OF RELEASE AT 130-015-10004
	North/South LineFeet from the 1980East/West Line westCounty - Eddy
Latitude32.6591N	Longitude- <u>103.8429W</u>
	URE OF RELEASE
Type of Release- crude oil	Volume of Release-235bbls Volume Recovered-20 bbls
Was Immediate Notice Given?	equired If YES, To Whom? Jim Amos (BLM) Mike Bratcher (OCDleft message)
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
If a Watercourse was Impacted, Describe Fully.*	(*Please include API **)
	round bottom of tanks. Pumper called me and I notified Terry ccher @ OCD (Left Message). Could not see any visible signs where oil <u>ed</u> containment.
Describe Area Affected and Cleanup Action Take Around oil tanks inside containment. Emptied oil tank with hole, pic	picked up standing oil. Talon to do assessment and work plan.
regulations all operators are required to report and/or file certain rele public health or the environment. The acceptance of a C-141 report should their operations have failed to adequately investigate and rem	lete to the best of my knowledge and understand that pursuant to NMOCD rules and elease notifications and perform corrective actions for releases which may endanger rt by the NMOCD marked as "Final Report" does not relieve the operator of liability emediate contamination that pose a threat to ground water, surface water, human health report does not relieve the operator of responsibility for compliance with any other
	OIL CONSERVATION DIVISION
Signature: Janus Timing	
Printed Name: James Tinney	Approved by District Supervisor: Signed By Mile Bernauce
Title: Production Foreman	JUN 2 6 2013 Approval Date: Expiration Date:
E-mail Address: jtinney@cimarex.com	Conditions of Approval:
Ref. (17.12 Phase 575.70(.0005 Ref.	Remediation per OCD Rule & Guidelines, & Attached Like approval by BLM. SUBMIT REMEDIATION
alana 140 Turnainan 10/19/2022 10.15.00 434	July 26, 2013

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October 23, 2013

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

408 West Texas Ave. Artesia, New Mexico 88210

Phone 575.746.8768

Fax 575.746.8905

ARTESIA

Mr. Mike Bratcher **NMOCD District 2** 811 S. 1st Street Artesia, NM 88210

Subject:

 Soil Assessment and Remediation Work Plan Cimarex Energy Dozier Fed Com No. 1 30-015-10804 2RP-1689

HOBBS 318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261

> Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

Fax 575.393.4658

MIDLAND 2901 State Hwy 349 Dear Mr. Bratcher,

Cimarex Energy (Cimarex) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

The release was discovered June 16, 2013.

Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622

> SAN ANTONIO Il Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191

GENERAL CONTRACTING

The Dozier Fed Com No. 1 is located approximately forty-three (43) miles southeast of Artesia, New Mexico. The legal location for the site is Unit K of Section 14, Township 19S, Range 31E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.65868 North and -103.84212 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Simona and Wink fine sandy loams with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian sands and piedmont deposits. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 102-feet below ground surface (bgs), according to the New Mexico Office of the Sate Engineer.

The ranking for this site is 0 Based on the following:

	Depth to ground water	>100'
ENVIRONMENTAL CONSULTING ENGINEERING	Wellhead Protection Area	>1000'
DRILLING CONSTRUCTION SPILL MANAGEMENT	Distance to surface water body	>1000'

Incident Description

A lease operator arrived on site to discover oil around the bottom of the tanks. There was no visible signs of where the oil leaked out of the tank. Approximately 235 bbls of crude oil was released and 20 bbls were recovered. The impacted area was contained within the secondary containment berms.

Laboratory Results

June 27, 2013

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1	2470	96	20800	46400
S-1	2	2660	32	23000	54300
S-1	3	2280	80	23100	51700
S-2	1	4730	32	29200	45000
S-2	2	3930	ND	26600	41400
S-2	3	2270	ND	12500	22200
S-3	0	3.55	128	ND	15.1

August 27, 2013

Sample ID	mple ID Depth BTEX (feet) (mg/kg)		Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	3.5	1260		6220	13200
S-1	5	1120		9950	16700
S-1	6.5	1190		5520	12600

October 2, 2013

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1	10	12.7	n an thairte	<50	158
B-1	15	< 0.300		<10	204
B-1	20	3.40		89	2460
B-1	25	11.4		336	5230
B-1	30	4.49		177	5130

(ND) Analyte Not Detected

--Analyte Not Tested

Proposed Remedial Actions

- The tanks in this battery will be removed and the impacted area within the battery will be excavated to a depth of 7-foot deep.
- The excavated soil will be transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC.
- The excavated area will be backfilled using clean material, backhauled from Lea Land to a depth of 4-feet deep.
- A 20 mil liner will be installed at 4-feet deep and a felt liner will also be installed to ensure the structural integrity of the liner.
- New caliche will be used to backfill the remainder of the excavation and new storage tanks will be subsequently installed.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Artesia office including Form C-141.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

M. Wilson Kimberly M. Wilson

Project Manager

Ver

David J. Adkins District Manager

SITE MAP

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APPENDIX I

GROUNDWATER DATA

INITIAL C-141

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)				2=NE 3=S\ it to largest		D83 UTM in me	ters)	(1	n feet)	
BOD Numerican	Sub-	QQQ	a ayan aya Alaba		•			Depth	Depth W	
POD Number CP 00829	Code basin County				X	Y	Distance		Water Co	lumn
01 00023	LC	24	16 19S	31E 6	606165	3614009* 🌍	2133	120		
CP 00642 EXPL	ED	22	25 19S	31E 6	611025	3611657* 🌍	3440	250		
CP 00640 EXPL	LE	22	19 19S	32E 6	612621	3613280* 🌑	4364	260	102	158
CP 00641 EXPL	ED	4 1	36 19S	31E 6	610247	3609634* 🌍	4544	300	130	170
CP 00639 EXPL	LE	3 1	20 19S	32E 6	613029	3612880* 🍑	4824	350	345	5
						Averag	je Depth to	Water:	192 fee	ţ
							Minimum	Depth:	102 fee	t
							Maximum	Depth:	345 fee	t

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 608280

Northing (Y): 3613731

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

District II Energy Minera 1301 W. Grand Avenue, Artesia, NM 88210 Oil Cons District III 001 Cons 1000 Rio Brazos Road, Aztec, NM 87410 1220 Son District IV 1220 Son 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	bervation Division uth St. Francis Dr. Fe, NM 87505
	on and Corrective Action
NJMW 1317737425	OPERATOR 🛛 Initial Report 🗌 Final Report
Name of Company-Cimarex Energy 16268 Address-600 N Marienfeld Ste 600, Midland Tx 79701	
Facility Name-Dozier Federal Com 1	Telephone No. 575 706 0095 Facility Type- Tank battery
Surface Owner Mineral Owne	
LOCATI	ON OF RELEASE APT 30-015-10804
Unit LetterSectionTownshipRangeFeet from theNor1419S31E1980sou	th/South Line Feet from the East/West Line County - Eddy
Latitude32.6591N	Longitude103.8429W
NATIR	E OF RELEASE
Type of Release- crude oil	Volume of Release-235bbls Volume Recovered-20 bbls
Was Immediate Notice Given?	
Yes No Not Require	If YES, To Whom? Ed Jim Amos (BLM) Mike Bratcher (OCDleft message)
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
If a Watercourse was Impacted, Describe Fully.*	
in a mainfordist was impacted, Describe Funy.	(*Please include API +*)
Describe Cause of Problem and Remedial Action Take 6/16/13 Pumper arrived on location and noticed oil arour Ainsworth (Cimarex), Jim Amos @ BLM and Mike Bratcher leaked out of oil tank. Spill was contained inside <u>unlined</u> c	r @ OCD (Left Message). Could not see any visible signs where oil
Describe Area Affected and Cleanup Action Take Around oil tanks inside containment. Emptied oil tank with hole, picked	
public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi	the best of my knowledge and understand that pursuant to NMOCD rules and e notifications and perform corrective actions for releases which may endanger the NMOCD marked as "Final Report" does not relieve the operator of liability iate contamination that pose a threat to ground water, surface water, human health t does not relieve the operator of responsibility for compliance with any other
	OIL CONSERVATION DIVISION
Signature: Janus Taning	
Printed Name, James Tinney	Approved by District Supervisor: Signed By Mily Brance
Title: Production Foreman	JUN 2 6 2013 Approval Date: Expiration Date:
E-mail Address: jtinney@cimarex.com	
	Conditions of Approval: diation per OCD Rule & Guidelines, & Attached
Date: 0-17-13 Phone: 575-706-0095	proval by BLM. SUBMIT REMEDIATION
* Attach Additional Sheets If Necessary	<u>PROPOSAL NO LATER THAN:</u> 2RP-1689 July 26, 2013

Received by OCD: 2/2/2023 10:14:31 AM

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APPENDIX II

LABORATORY RESULTS

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June 27, 2013

DAVID ADKINS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: DOZIER FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 06/20/13 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013	
Reported:	06/27/2013	Sampling Type:	Soil	•
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact	
Project Number:	701162.045.01	Sample Received By:	Jodi Henson	
Project Location:	K-14-19S-31E			

Sample ID: S-1 1' (H301430-01)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	84.1	10.0	06/25/2013	ND	1.96	98.0	2,00	3,95	
Toluene*	802	10.0	06/25/2013	ND	2,09	104	2.00	3.79	
Ethylbenzene*	584	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	996	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2470	60.0	06/25/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 118 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M m		/kg Analyzed By: MS		d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	20800	100	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	46400	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	427	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1170	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-1 2' (H301430-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW				n	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	85,8	10.0	06/25/2013	ND	1.96	98.0	2.00	3,95	
Toluene*	860	10,0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	641	10.0	06/25/2013	ND	2,25	112	2,00	3,79	
Total Xylenes*	1080	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2660	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GR0 C6-C10	23000	100	06/22/2013	ND	213	107	200	5,16	
DRO >C10-C28	54300	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	477	% 65.2-14	0				-		
Surrogate: 1-Chlorooctadecane	1400	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E	· · · ·	

Sample ID: S-1 3' (H301430-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	63,6	10.0	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	758	10.0	06/25/2013	ND	2.09	104	2,00	3.79	
Ethylbenzene*	557	10.0	06/25/2013	ND	2.25	112	2,00	3.79	
Total Xylenes*	905	30.0	06/25/2013	ND	6.79	113	6.00	3,17	
Total BTEX	2280	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1169	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23100	100	06/22/2013	ND	213	107	200	5,16	
DRO >C10-C28	51700	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	473 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1320	63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 10



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-2 1' (H301430-04)

mg,	/kg	Analyze	d By: DW					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
271	10.0	06/25/2013	ND	1.96	98.0	2.00	3,95	
1910	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
1010	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
1530	30,0	06/25/2013	ND	6.79	113	6.00	3.17	
4730	60.0	06/25/2013	ND					
108	% 89.4-12	6						
mg,	/kg	Analyze	d By: DW					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	06/24/2013	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					S-06
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
29200	100	06/22/2013	ND	213	107	200	5,16	
45000	100	06/22/2013	ND	218	109	200	9.40	
-	Result 271 1910 1010 1530 4730 //// Result 32.0 mg/ Result	271 10.0 1910 10.0 1010 10.0 1530 30.0 4730 60.0 108 % 89.4-12 mg/kg 89.4-12 Result Reporting Limit 32.0 16.0 mg/kg 89.4-12	Result Reporting Limit Analyzed 271 10.0 06/25/2013 1910 10.0 06/25/2013 1010 10.0 06/25/2013 1530 30.0 06/25/2013 4730 60.0 06/25/2013 108 % 89.4-126 mg/kg Analyzed Result Reporting Limit Analyzed 32.0 16.0 06/24/2013 mg/kg Analyzed Analyzed	Result Reporting Limit Analyzed Method Blank 271 10.0 06/25/2013 ND 1910 10.0 06/25/2013 ND 1010 10.0 06/25/2013 ND 1530 30.0 06/25/2013 ND 4730 60.0 06/25/2013 ND 108 % 89.4-126 Method Blank 32.0 16.0 06/24/2013 ND 32.0 16.0 06/24/2013 ND mg/kg Analyzed Method Blank 32.0 16.0 06/24/2013 ND mg/kg Analyzed Method Blank	Result Reporting Limit Analyzed Method Blank BS 271 10.0 06/25/2013 ND 1.96 1910 10.0 06/25/2013 ND 2.09 1010 10.0 06/25/2013 ND 2.25 1530 30.0 06/25/2013 ND 6.79 4730 60.0 06/25/2013 ND 6.79 108 % 89.4-126	Result Reporting Limit Analyzed Method Blank BS % Recovery 271 10.0 06/25/2013 ND 1.96 98.0 1910 10.0 06/25/2013 ND 2.09 104 1010 10.0 06/25/2013 ND 2.25 112 1530 30.0 06/25/2013 ND 6.79 113 4730 60.0 06/25/2013 ND 6.79 113 4730 60.0 06/25/2013 ND 6.79 113 Method Blank 89.4-126 mg/kg Analyzed Method Blank BS % Recovery 32.0 16.0 06/24/2013 ND 416 104 mg/kg Analyzed WEthod Blank BS % Recovery 32.0 16.0 06/24/2013 ND 416 104 mg/kg Analyzed By: MS Keporting Limit Analyzed Method Blank BS % Recovery	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 271 10.0 06/25/2013 ND 1.96 98.0 2.00 1910 10.0 06/25/2013 ND 2.09 104 2.00 1010 10.0 06/25/2013 ND 2.25 112 2.00 1530 30.0 06/25/2013 ND 6.79 113 6.00 4730 60.0 06/25/2013 ND 6.79 113 6.00 4730 60.0 06/25/2013 ND 5.79 113 6.00 4730 60.0 06/25/2013 ND 5.79 113 6.00 4730 60.0 06/25/2013 ND 5.79 113 5.00 4730 89.4-126 Malyzed By: DW Yugaa Yu	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 271 10.0 06/25/2013 ND 1.96 98.0 2.00 3.95 1910 10.0 06/25/2013 ND 2.09 104 2.00 3.79 1010 10.0 06/25/2013 ND 2.25 112 2.00 3.79 1530 30.0 06/25/2013 ND 6.79 113 6.00 3.17 4730 60.0 06/25/2013 ND 6.79 113 6.00 3.17 108 % 89.4-126

Surrogate: 1-Chlorooctadecane 1100 % 63.6-154

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-2 2' (H301430-05)

BTEX 8021B	mg/l	kg	Analyze	d By: DW			~		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	181	10.0	06/25/2013	ND	1.96	98.0	2.00	3,95	
Toluene*	1540	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	868	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	1350	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	3930	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 89.4-12	6		· · · · · ·			······	
Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: DW					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	26600	100	06/22/2013	ND	213	107	200	5,16	
DRO >C10-C28	41400	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	421	65.2-14	0				·		

Surrogate: 1-Chlorooctadecane 1030 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-2 3' (H301430-06)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					,
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	77.1	5.00	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	846	5.00	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	533	5,00	06/25/2013	ND	2.25	112	2,00	3.79	
Total Xylenes*	816	15.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2270	30,0	06/25/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 111 % 89.4-126

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Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12500	50.0	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	22200	50.0	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	255	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	536	% 63.6-15	4						

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Page 7 of 10



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Received:	06/20/2013	Sampling Date:	06/19/2013
Reported:	06/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-3 0' (H301430-07)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.365	0.050	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	1.79	0.050	06/25/2013	ND	2,09	104	2.00	3.79	
Ethylbenzene*	0.590	0.050	06/25/2013	ND	2.25	112	2,00	3,79	
Total Xylenes*	0.809	0.150	06/25/2013	ND	6,79	113	6.00	3.17	
Total BTEX	3,55	0.300	06/25/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 111 % 89.4-126

101 %

63.6-154

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					there are a constructed of the second se
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/24/2013	ND	416	104	400	3.77	
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	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	15.1	10.0	06/22/2013	ND	218	109	200	9.40	

Surrogate: 1-Chlorooctadecane

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 SM4500CI-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

Page 9 of 10

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Received by OCD: 2/2/2023 10:14:31 AM

Released to Imaging: 10/18/2023 10:15:09 AM

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Received by OCD: 2/2/2023 10:14:31 AM

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Released to Imaging: 10/18/2023 10:15:09 AM



August 27, 2013

DAVID ADKINS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: DOZIER FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/21/2013	Sampling Date:	08/20/2013
Reported:	08/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-1 3.5' (H301995-01)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.9	5.00	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	404	5.00	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	296	5.00	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	531	15.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1260	30.0	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 115 %

TPH 8015M	mg,	'kg	Analyzed By: AR/						5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6220	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	13200	50.0	08/26/2013	ND	195	97.7	200	2.71	

89.4-126

63,6-154

309 %

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Surrogate: 1-Chlorooctadecane

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/21/2013	Sampling Date:	08/20/2013
Reported:	08/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-1 5' (H301995-02)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	32.1	10.0	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	400	10.0	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	262	10.0	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	429	30.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1120	60.0	08/26/2013	ND					

Surrogate:	4-Bromofluorobenzene	(PID	108 %	89.4-126

TPH 8015M	mg,	/kg	Analyze	d By: AR/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9950	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	16700	50.0	08/26/2013	ND	195	97.7	200	2.71	
Surrogate: 1-Chlorooctane	209	% 65.2-14							

63.6-154

Surrogate: 1-Chlorooctadecane 400 %

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/21/2013	Sampling Date:	08/20/2013
Reported:	08/27/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: S-1 6.5' (H301995-03)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.1	5.00	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	391	5.00	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	269	5.00	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	509	15.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1190	30.0	08/26/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 111 %

TPH 8015M	mg,	d By: AR/				S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5520	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	12600	50.0	08/26/2013	ND	195	97.7	200	2.71	
Surrogate: 1-Chlorooctane	172	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	305	% 63.6-15	4						

89.4-126

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Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 6

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	Stellan	Relinquished By:	service. In no event shall Car affiliates or successors arising	PLEASE NOTE: Liability and analyzes. All claims including							<u>w</u>	ນ		H30199	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 70 162,045.	Phone #: 575-746-8768	city: Artesia	Address: 408	Project Manager:	Company Name:	(
(Circle One) - Bus - Other:				service. In no event shall Cardinai be labbe for incidental or consequental damagos, including without limitation, business interruptions, loss of use, or loss of prolits incurred by eilent. Its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, resardless of whether such claim is based usion any of the above stated reasons or otherwise	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount paid by the client for the analyzes. All claims inducing those for negligence and any other cause whatsoever shall be deemed valved unless made in whiling and received by Cardinal within 30 days after completion of the applicable arealyzes. All claims inducing those for negligence and any other cause whatsoever shall be deemed valved unless made in whiling and received by Cardinal within 30 days after completion of the applicable						t	5-1 6.5	2-1 <i>L</i> (2-1 7.5	ע	Sample I.D.		Sheldon Hitch		a.	0			Address: 408 W. Texas Ave	D. Adkin	Talon /LPE	101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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Sample Condition Cool Infact	Received By:	Jai K	Received By:	limitation, business interrup recordiess of whether such) arising whether based in or waived unless made in writi					•			-		GROU	TAINERS NDWATER EWATER					imarex	746-8905:	Zip: \$8210				
		1000	5	Gons, loss of use, or loss of claim is based upon any of	ntract or tort, shall be limit ng and received by Cardina	 									SLUDO OTHEI ACID/E ICE / C OTHEI	R: BASE: BOOL	X IPRESERV.	Fau	Phone #:	State:	City:	Address:	Attr:	Company:	P:0. 去	BET IL	in a second with the second
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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

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Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6



October 02, 2013

DAVID ADKINS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: DOZIER FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 09/26/13 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited 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.

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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/26/2013	Sampling Date:	09/26/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: B-1 10' (H302352-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.236	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	4.56	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	3.18	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	4.76	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	12.7	0.300	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 128 % 89.4-126

90.0 %

63.6-154

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	<50.0	50.0	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	158	50.0	09/28/2013	ND	185	92.3	200	5.20	
Surrogate: 1-Chlorooctane	65.7 9	65.2-14	0						

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Surrogate: 1-Chlorooctadecane

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Celey D. Keene, Lab Director/Quality Manager



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Received:	09/26/2013	Sampling Date:	09/26/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Number: Project Location:	701162.045.01 K-14-19S-31E	Sample Received By:	Jodi Henson

Sample ID: B-1 15' (H302352-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.067	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	0.121	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	<0.050	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	<0.300	0.300	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 109 % 89.4-126

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	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	204	10.0	09/28/2013	ND	185	92.3	200	5.20	
Surrogate: 1-Chlorooctane	76.8	% 65.2-14	10					-	
Surrogate: 1-Chlorooctadecane	91.3	% 63.6-15	14						

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Page 3 of 8



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/26/2013	Sampling Date:	09/26/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		,

Sample ID: B-1 20' (H302352-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result Reporting		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.083	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	0.682	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	1.09	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	1.54	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	3.40	0.300	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID 223 % 89.4-126 TPH 8015M Analyzed By: MS mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier GRO C6-C10 89.0 50.0 09/28/2013 ND 97.5 200 11.3 195 DR0 >C10-C28 09/28/2013 ND 92.3 5.20 2460 50.0 185 200 Surrogate: 1-Chlorooctane 90.3 % 65.2-140 135 % 63.6-154 Surrogate: 1-Chlorooctadecane

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Received:	09/26/2013	Sampling Date:	09/26/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: B-1 25' (H302352-04)

mg/	kg	Analyze	d By: MS					S-04	
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<0.200	0.200	10/01/2013	ND	1.99	99.3	2.00	0.254		
<0.200	0.200	10/01/2013	ND	2.02	101	2.00	0.364		
1.97	0.200	10/01/2013	ND	2.04	102	2.00	0.293		
9.44	0.600	10/01/2013	ND	6.27	105	6.00	0.651		
11.4	1.20	10/01/2013	ND						
	Result <0.200 <0.200 1.97 9.44	<0.200 0.200 <0.200 0.200 1.97 0.200 9.44 0.600	Result Reporting Limit Analyzed <0.200	Result Reporting Limit Analyzed Method Blank <0.200	Result Reporting Limit Analyzed Method Blank BS <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.200	

Surrogate: 4-Bromofluorobenzene (PID	248	% 89.4-12	26						
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	336	10.0	09/30/2013	ND	217	108	200	5.63	
DRO >C10-C28	5230	10.0	09/30/2013	ND	211	106	200	5.36	
Surrogate: 1-Chlorooctane 17		% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	180	% 63.6-15	54						

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Page 5 of 8



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/26/2013	Sampling Date:	09/26/2013
Reported:	10/02/2013	Sampling Type:	Soil
Project Name:	DOZIER FED COM #1	Sampling Condition:	Cool & Intact
Project Number:	701162.045.01	Sample Received By:	Jodi Henson
Project Location:	K-14-19S-31E		

Sample ID: B-1 30' (H302352-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/01/2013	ND	1.99	99.3	2.00	0.254	
Toluene*	<0.100	0.100	10/01/2013	ND	2.02	101	2.00	0.364	
Ethylbenzene*	0.146	0.100	10/01/2013	ND	2.04	102	2.00	0.293	
Total Xylenes*	4.34	0.300	10/01/2013	ND	6.27	105	6.00	0.651	
Total BTEX	4.49	0.600	10/01/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID	118 9	89.4-12	6						
TPH 8015M	mg,	/kg	Analyze	d By: MS		c		S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	177	10.0	09/30/2013	ND	217	108	200	5.63	
DRO >C10-C28	5130	10.0	09/30/2013	ND	211	106	200	5,36	
Surrogate: 1-Chlorooctane	153	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 186 % 63.6-154

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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

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Received by OCD: 2/2/2023 10:14:31 AM

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Cardinal cannot accept verbal changes. Please fax written changes 19505-393-240	S.40 Gool Antart	MULTING 154	Byth/1/7 Referred By:	Zelis Received By:	vicuosive i ciniecty itu any camat whatsoever shall be deemed 'i Il damages, including without i vices hereunder by Cardinal, r					××××××××××××××××××××××××××××××××××××××	×:		# CO GRO WAS SOIL OIL SLUI	AB OR (NTAINE UNDW/ TEWAT	RS TER	MATRIX	Fax #:		(om #1	- C mar v	NN N	C11605	P.O. +		bs, NM 88240 75) 393-2476			INAL
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				Yes D No Add'I Phone #: Yes D No Add'I Fax #:	•							∀		370	EX	· · · · · · · · · · · · · · · · · · ·								ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS RE		
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Page 37 of 64

Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Kimberly M. Wilson <kwilson@talonlpe.com> 12/12/2013 at 10:12 AM

 From:
 Kimberly M. Wilson <kwilson@talonlpe.com>

 Sent:
 12/12/2013 at 10:12 AM

 To:
 Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>, Van Curen, Jennifer <jvancure@blm.gov>

 Cc:
 Christine Alderman <calderman@cimarex.com>, Johnny Titsworth <jtitsworth@cimarex.com>,

 James Tinney <ltinney@cimarex.com>, David Adkins <dadkins@talonlpe.com>

20131212091216122.pdf (218.2 KB)

Mike,

Please find the initial work plan with the lab data.

The tanks were removed and the battery has been excavated to the depth of 10', which is under the Recommended Remedial Action Levels (RRALs). We are asking for approval to backfill.

Please reply to all.

Thank you.

Respectfully,

Kimberly M. Wilson

Project Manager Talon/LPE 408 West Texas Avenue Artesia, New Mexico 88210 Office: 575.746.8768 Fax: 575.746.8905 Cell: 575.602.3826 Emergency: 866.742.0742

Email: kwilson@talonlpe.com

Received by QGD: 2/2/2023 10:14:31 AM

Personal Portal

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Web: www.talonlpe.com

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Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist Staples Foundation for Learning Hall of Fame Recipient:2010 ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006 Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

Rottins de pair Hanging a for 1/2/2/23 a / approvid=7_TZ5-5Bs7nXAvgkS-nE9QeyJhbGciOiJQQkVTMi1IUzI1NitBMTI4S1ciLCJlbmMiOiJBMTI4R... 2/2









Re: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Van Curen, Jennifer <jvancure@blm.gov> 12/12/2013 at 03:26 PM

 From:
 Van Curen, Jennifer <jvancure@blm.gov>

 Sent:
 12/12/2013 at 03:26 PM

 To:
 Kimberly M. Wilson <kwilson@talonlpe.com>

 Cc:
 Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>, Christine Alderman <calderman@cimarex.com>,

 Johnny Titsworth <jtitsworth@cimarex.com>, James Tinney <ltinney@cimarex.com>,

 David Adkins <dadkins@talonlpe.com>

Kimberly,

Approval to backfill. Thanks.

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

On Thu, Dec 12, 2013 at 9:12 AM, Kimberly M. Wilson <kwilson@talonlpe.com> wrote:

Mike,

Please find the initial work plan with the lab data.

The tanks were removed and the battery has been excavated to the depth of 10', which is under the Recommended Remedial Action Levels (RRALs). We are asking for approval to backfill.

Please reply to all.

Thank you.

Respectfully,

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

Office: 575.746.8768

Fax: 575.746.8905

Cell: 575.602.3826

Emergency: 866.742.0742

Email: kwilson@talonlpe.com

Web: www.talonlpe.com

TalonLPE

Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

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Staples Foundation for Learning Hall of Fame Recipient:2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

RE: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> 12/12/2013 at 04:46 PM

 From:
 Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

 Sent:
 12/12/2013 at 04:46 PM

 To:
 David Adkins <dadkins@talonlpe.com>

 Cc:
 Kimberly M. Wilson <kwilson@talonlpe.com>, Van Curen, Jennifer <jvancure@blm.gov>,

 Christine Alderman <calderman@cimarex.com>, Johnny Titsworth <jtitsworth@cimarex.com>,

 James Tinney <ltinney@cimarex.com>

Thanks David – I thought that was probably the case, and then after seeing the photos, the sample points and the boring were not all that far apart. I spoke with Johnny and Christine and they were going to grab the additional samples and continue with backfill ops. So we should be good.

Thanks again,

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

From: David Adkins [mailto:dadkins@talonlpe.com]
Sent: Thursday, December 12, 2013 3:30 PM
To: Bratcher, Mike, EMNRD
Cc: Kimberly M. Wilson; Van Curen, Jennifer; Christine Alderman; jtitsworth@cimarex.com; jtinney@cimarex.com
Subject: Re: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Hi Mike

Responding to the portion of your email regarding the drilling location... I was on site that day and made that field decision regarding accessibility and safety of the drill rig.

The previous location was sampled with a backhoe reaching into a spot too tight for the drill rig. Additionally, I believe there were overhead power lines with a drop to power the battery in the vicinity. The whole battery was impacted so I didn't feel like it would change the outcome of the assessment to any degree. I apologize for any confusion or if that wasn't made clear to to prior. Please let me know if I can provide any further details.

Returns / Instruments and the second se

Respectfully,

David J. Adkins

District Manager

Talon/LPE

[please forgive any spelling/grammatical errors as this was sent by mobile device]

On Dec 12, 2013, at 2:42 PM, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us> wrote:

Kimberly – Thanks for the photos, that helps. I do have a couple of questions and maybe Christine or Johnny could answer. My understanding is that this is a 10' excavation. Is the plan to backfill to 4' and install a liner, or backfill to grade and install a lined facility/battery? Why was B-1 installed on the opposite side of the battery from S-1 and S-2? And it appears the TPH levels rose above RRALs in the 25' and 30' interval. I don't really see it changing the overall plan much, but OCD would have preferred to see the boring installed a little closer to the sample points if practicable, especially since the main contaminant of concern here is light end hydrocarbon. At this point, considering a 10' excavation, I would request confirmation samples be obtained from the 11' and 12' interval in the area of S-1 and S-2 and tested for BTEX and TPH.

Thanks,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]
Sent: Thursday, December 12, 2013 1:02 PM
To: Bratcher, Mike, EMNRD; Van Curen, Jennifer
Cc: Christine Alderman; jtitsworth@cimarex.com; jtinney@cimarex.com; David Adkins
Subject: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Mike and Jennifer,

Please find attached the pictures of the open excavation at the above reference location.

Kimberly M. Wilson

Project Manager

408 West Texas Avenue

Artesia, New Mexico 88210

Office: 575.746.8768

Fax: 575.746.8905

Cell: 575.602.3826

Emergency: 866.742.0742

Email: kwilson@talonlpe.com

Web: www.talonlpe.com

<image001.png>

Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist Staples Foundation for Learning Hall of Fame Recipient:2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

Personal Portal

Dozier

	y Titsworth <jtitsworth@cimarex.com> 2013 at 08:07 AM</jtitsworth@cimarex.com>
From:	Johnny Titsworth <jtitsworth@cimarex.com></jtitsworth@cimarex.com>
Sent:	12/20/2013 at 08:07 AM
To:	'mike.bratcher@state.nm.us' <mike.bratcher@state.nm.us>, 'jvancure@blm.gov' <jvancure@blm.gov></jvancure@blm.gov></mike.bratcher@state.nm.us>
Cc:	Christine Alderman <calderman@cimarex.com></calderman@cimarex.com>

𝗞 1 Attachment(s) Total 164.3 KB View ∧

Dozier analtical.pdf (164.3 KB)

Mike/Jennifer,

Attached is the analytical for the 11' and 12' samples at the Dozier Fed TB that was requested. There is a little impact, but it doesn't exceed regulatory levels. We have removed the 10' of impact, replaced with clean material, and placed a liner at the surface to prevent further impact while the facility is in production. The closure report should be coming soon. If there is anything else that you need, feel free to contact us. Thanks and have a Merry Christmas.

Johnny Titsworth

Environmental Compliance Coordinator

600 N. Marienfeld St., Suite 600 Midland, TX 79701

Mobile: 432-250-2059

Office: 432-620-1983

cid:image001.png@01CE2708.7C99F810



December 17, 2013

JIM HAWLEY

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: DOZIER FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/13/13 10:10.

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)

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



		JIM HAWL	BLIN ROAD		
		Fax To:	NONE		
Received:	12/13/2013			Sampling Date:	12/12/2013
Reported:	12/17/2013			Sampling Type:	Soil
Project Name:	DOZIER FED #1			Sampling Condition:	Cool & Intact
Project Number:	NON GIVEN			Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN				

Sample ID: #1 11' BGS (H303013-01)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2013	ND	1.70	85.2	2.00	5.81	
Toluene*	0.109	0.050	12/15/2013	ND	1.70	85.0	2.00	5.97	
Ethylbenzene*	0.120	0.050	12/15/2013	ND	1.70	85.0	2.00	6.15	
Total Xylenes*	<0.150	0.150	12/15/2013	ND	5.00	83.3	6.00	5.78	
Total BTEX	0.339	0.300	12/15/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 89.4-12	6						
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	12/17/2013	ND	181	90.5	200	0.132	
DRO >C10-C28	695	10.0	12/17/2013	ND	180	90.2	200	3.21	
Surrogate: 1-Chlorooctane	103 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	128 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		JIM HAWL	BLIN ROAD		
Received:	12/13/2013			Sampling Date:	12/12/2013
Reported:	12/17/2013			Sampling Type:	Soil
Project Name:	DOZIER FED #1			Sampling Condition:	Cool & Intact
Project Number:	NON GIVEN			Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN				

Sample ID: #2 12' BGS (H303013-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2013	ND	1.70	85.2	2.00	5.81	
Toluene*	<0.050	0.050	12/15/2013	ND	1.70	85.0	2.00	5.97	
Ethylbenzene*	<0.050	0.050	12/15/2013	ND	1.70	85.0	2.00	6.15	
Total Xylenes*	<0.150	0.150	12/15/2013	ND	5.00	83.3	6.00	5.78	
Total BTEX	<0.300	0.300	12/15/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 89.4-12	6						
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	12/17/2013	ND	181	90.5	200	0.132	
DRO >C10-C28	879	10.0	12/17/2013	ND	180	90.2	200	3.21	
Surrogate: 1-Chlorooctane	113 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	139 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 2/2/2023 10:14:31 AM

Sampler - UPS - Bus - Other: **Relinquished By:** analyses. All claims including those service. In no event shall Cardinal Project Location: Company Name: ALA P 13030 Sampler Name: Project Name: 10216R Phone #: 575-605-347 City: 1000 Address: Project Manager: **Delivered By: (Circle One)** Project #: FOR LAB USE ONLY Lab I.D. † Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 nathisped R -aboratories Q 00 Ū \$\$ 2 YAN I 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 3 SAMPIN R Ż igence and any Sample I.D. a's liability and client's exclusive rem 2Du ENTER PRISES ASO \$12 br Fax #: Time: 10:10AM Date: Date: Project Owner: Time: State:いM Zip: Š $\widetilde{\mathcal{S}}$ Received By: て (G)RAB OR (C)OMP CIMARG CONTAINERS 24240 GROUNDWATER Sample Condition Cool Intact WASTEWATER SOIL MATRIX ЯL SLUDGE loss of Use, or OTHER : State: city: P.O. #: Fax #: Phone #: Attnication Company:(Address: ACID/BASE: PRESERV CHECKED BY: C. ICE / COOL Cardinal within (Initials) of OTHER [3][月]][1] Zip: IMARG 2112 4:5P DATE SAMPLING days 1115 WORT after completion of the applicable by client, its subsidiaries, Phone Result: Fax Result: REMARKS: CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 4:30 by the client for the TIME JXAWGY @ WINDSTREAM, UGT TTS WORTH @ CIMPREX. COM □Yes □No □Yes □No ush !! 875 Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST

Page 55 of 64

Page 5 of 5

Released to Imaging: 10/18/2023 10:15:09 AM



March 30, 2021

JIM HAWLEY MC DANIELS CO. 12900 PRESTON RD #415 DALLAS, TX 75230

RE: DOZIER FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/29/21 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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)

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. Keine

Celey D. Keene Lab Director/Quality Manager



		MC DANIELS CO. JIM HAWLEY 12900 PRESTON RD #415 DALLAS TX, 75230 Fax To:		
Received:	03/29/2021		Sampling Date:	03/26/2021
Reported:	03/30/2021		Sampling Type:	Soil
Project Name:	DOZIER FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX			

Sample ID: NW #1 (H210770-01)

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	03/29/2021	ND	2.14	107	2.00	4.56	QR-03
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	QR-03
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	
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	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane 73.6 % 44.3-144		4							
Surrogate: 1-Chlorooctadecane	71.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MC DANIELS CO. JIM HAWLEY 12900 PRESTON RD #415 DALLAS TX, 75230 Fax To:		
Received:	03/29/2021		Sampling Date:	03/26/2021
Reported:	03/30/2021		Sampling Type:	Soil
Project Name:	DOZIER FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX			

Sample ID: NE #1 (H210770-02)

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	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	
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	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	62.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	61.0	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MC DANIELS CO. JIM HAWLEY 12900 PRESTON RD #415 DALLAS TX, 75230 Fax To:		
Received:	03/29/2021		Sampling Date:	03/26/2021
Reported:	03/30/2021		Sampling Type:	Soil
Project Name:	DOZIER FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX			

Sample ID: SW #1 (H210770-03)

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	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2021	ND	432	108	400	3.77	
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	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	67.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	65.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MC DANIELS CO. JIM HAWLEY 12900 PRESTON RD #415 DALLAS TX, 75230 Fax To:		
Received:	03/29/2021		Sampling Date:	03/26/2021
Reported:	03/30/2021		Sampling Type:	Soil
Project Name:	DOZIER FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX			

Sample ID: SE #1 (H210770-04)

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	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2021	ND	432	108	400	3.77	
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	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	71.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.0	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

_aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476 101 East Marland, Hobbs, NM 88240 MCUANIELS 36 3 NAWIG AUG F60 # | Fax #: Project Owner: State: NM Zip 824 CO CIMARGX MATRIX Attn: City: P.O. #: Fax #: State: Company: MCLANU62CO Phone #: Address: PRESERV BILL TO Zip SAMPLING ANALYSIS REQUEST

Project Manager: **Company Name:** City: 100 Project Name: Project #: Phone #: Address: Sampler Name: Project Location: 4210770 FOR LAB USE ONLY Relinquished By: 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 appli 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 appli Win # **Relinquished By:** Lab I.D. Sampler - UPS - Bus - Other: Delivered By: (Circle One) Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 P.O w7 shall Ci DOZIER -605-347 TIM CMA1 be liable for incidental or corri TE 8# Sample I.D. A 3.90 Date: Time: Date damages, including without 1 Alla SA С #113 (G)RAB OR (C)OMP Received By: Received By: # CONTAINERS imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries GROUNDWATER Sample Condition Cool Intact Tes Tes No No No WASTEWATER 5 SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL C 0 C CHECKED BY: OTHER 6 (Initials) 362621 10/27/5 226621 (PRR) DATE 3:50 3:450 3:550 4:00 Phone Result: Fax Result: REMARKS: TIME CHIORIDES SMAIL licable □ Yes J-HAWIEVEH-R-ENGERISS. Com No Add'l Fax #: Add'l Phone

Released to Imaging: 10/18/2023 10:15:09 AM

Oil Conservation Division

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nJMW1317737425	

Incident ID	nJMW131773742
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following in	tems must be included in the closure report.							
A scaled site and sampling diagram as described in 19.15.29.1	A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)							
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)							
Description of remediation activities								
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in							
Printed Name: Laci Luig								
Signature: <u>A</u> <u>A</u> <u>C</u> <u>A</u> <u>A</u> <u>C</u> <u>A</u>	Date: 12/15/2022							
email: laci.luig@coterra.com	Telephone: (432) 208-3035							
OCD Only								
Received by:	Date:							
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.							
Closure Approved by: Hall	Date: 10/18/2023							
Printed Name: Brittany Hall								

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	181978
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created Condition Condition Date By bhall 10/18/2023 None

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Action 181978