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

# State of New Mexico Energy Minerals and Natural Resources

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

For de approprior office

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure
Is pit or below-grade tank covered by a "general plan"? Yes \(\sigma\) No \(\sigma\)

Type of action: Registration of a pit of	or below-grade tank U Closure of a pit or below-gra	ide tank 📋									
Commence of Colored A Telephon	KIN - 1 . 00 . 2/// ) a mail addrace: Ans										
Operator: Cimarex Energy Co of Colorado Telephon Address: 2079 Mesa, Carlsbad N	C 305-688-3447 Ciliali addicess. (C)	Bey rogers to con con									
Facility or well name: Mescalero 309 federal 1001 API#: 3	Δ Δ26 - 38/-77 U/L or Otr/Otr Δ	San 29 T 19 & R 241 F									
County: CO Latitude	20° 27' 27 44N Longitude 103° 2	SCL									
County: Letitude 39° 37′ 37 44 N Longitude 103° 35′ 1787 w NAD: 1927 1983 🗷 Surface Owner: Federal 🛛 State 🗌 Private 🖺 Indian 🖂											
	Delaw anada tank										
Pit  Type: Drilling ☑ Production ☐ Disposal ☐	Below-grade tank										
	Volume:bbl Type of fluid: Construction material:										
Workover ☐ Emergency ☐	Double-walled, with leak detection? Yes  If no	,									
Lined Unlined  Liner type: Synthetic Thickness  Clay  Clay	Double-wailed, with leak detection? Tes [] IT no	t, explain wny not.									
1											
Pit Volumebbl	I 2 50 5-4										
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)									
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)									
nigh water elevation of ground water.)	100 feet or more	(0 points)									
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)									
water source, or less than 1000 feet from all other water sources.)	No	( 0 points)									
water source, or reasonair root real formation and outer many	Less than 200 feet	(20 paints)									
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(20 points)									
irrigation canals, ditches, and perennial and ephemeral watercourses.)		(10 points)									
	1000 feet or more	( 0 points)									
	Ranking Score (Total Points)	<b>D</b>									
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's	s relationship to other equipment and tanks. (2) Indic	ate disposal location: (check the onsite box if									
your are burying in place) onsite  offsite  If offsite, name of facility_		•									
remediation start date and end date. (4) Groundwater encountered: No 🗆 Y											
(5) Attach soil sample results and a diagram of sample locations and excavat											
	·	1-11-08									
Additional Comments: (SE)		1-11-50									
Dero Rus.											
DEEP DUKY											
I hereby certify that the information above is true and complete to the best	of my knowledge and belief. I further certify that t	he above-described nit or below-grade tank									
has been/will be constructed or closed according to NMOCD guidelines	s [], a general permit [], or an (attached) alterna	tive OCD-approved plan .									
4/20/2008	<del></del>	~*									
Date: Date: Date: Cont											
Printed Name/Title DIENS ONC 870	, Signature	·									
Your certification and NMOCD approval of this application/closure toles notherwise endanger public health or the environment. Nor does it relieve the											
regulations.	the operator of its responsionity for compliance with a	ily outer reueral, state, or rocal laws allow									
	- 0										
Approval:	Dohuson	٠									
Printed Name/Title	Signature	Date: 4 · 27 · 08									
	ENVIRONMENTAL ENGL	NEER									

Form C-144 June 1, 2004 District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure
Is pit or below-grade tank covered by a "general plan"? Yes \( \subseteq No \( \subseteq \)

Type of action Registration of a pit	or below-grade tank 🛛 Closure of a pit or below-g	grade tank 🔲
Operator: Cimarex Energy Co of Colorado To	elephone 972-401-3111 e-mail addr	ess zfarris@cimarex com
1		
Facility or well name Mescalero B 29 Federal No 1 API # 3	0-025- 38677 U/L or Qtr/Qtr M Sec	29T19SR34E
		NAD. 1927 ☐ 1983 ⊠
Surface Owner Federal State Private Indian	102.53 17.07.11	14. 1927 (1905 (2)
Pit	Below-grade tank	
Type Drilling N Production Disposal	Volumebbl Type of fluid:	
Workover    Emergency	Construction material	
Lined  Unlined	Double-walled, with leak detection? Yes [] If i	
Liner type. Synthetic  Thickness 12 mil Clay	Tes Division	iot, explain why not.
Pit Volumebbl closed system, cuttings buried		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	
high water elevation of ground water ) 150'	100 feet or more	(10 points)
	Yes	( 0 points)
Wellhead protection area (Less than 200 feet from a private domestic	(No	(20 points)
water source, or less than 1000 feet from all other water sources )		(0 points)
D	Less than 200 feet	(20 points)
Distance to surface water (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)
irrigation canals, ditches, and perennial and ephemeral watercourses)	1000 feet or more	(( 0 points)
	Ranking Score (Total Points)	0
If this is a pit closure: (1) Attach a diagram of the facility showing the pit	s relationship to other equipment and tanks (2) Indi	icate disposal location (check the onsite box if
your are burying in place) onsite [ ] offsite [ ] If offsite, name of facility_	(3) Attach a general description of re	emedial action taken including remediation start
date and end date (4) Groundwater encountered No 🗌 Yes 🔲 If yes, she	ow depth below ground surface ft an	nd attach sample results
(5) Attach soil sample results and a diagram of sample locations and excava		•
Additional Comments		
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideling	of my knowledge and belief I further certify that	the above-described pit or below-grade tank
has been/will be constructed or closed according to NMOCD guideline	s 🖂, a general permit 📋, or an (attached) altern	ative OCD-approved plan [].
Date <u>09.11.07</u>		
Printed Name/Title Zeno Farris - Manager Operations Administrati	on Signature Zeup Fai	
Your certification and NMOCD approval of this application/closure does notherwise endanger public health or the environment. Nor does it relieve the regulations	ne operator of its responsibility for compliance with	s of the pit or tank contaminate ground water or any other federal, state, or local laws and/or
Approval	2	- 1
Printed Name/Title CHRIS WILLIAMS/ DIST. SUP	v. Signature Chus Willia	Date 1/4/08



6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132

Lubbock, Texas 79424 El Paso, Texas 79922 Midland, Texas 79703

800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443 432 • 689 • 6301

FAX 806 • 794 • 1298 FAX 915 • 585 • 4944 FAX 432 • 689 • 6313

817 • 201 • 5260

E-Mail: lab@traceanalysis.com

### Analytical and Quality Control Report

**Dorsey Rogers** Cimarex 207 S MesaCarlsbad, NM, 88220

Report Date: April 14, 2008

Work Order: 8041037

Project Location: Sec. 19, T19S, R34E Mescalero B29 #1 Project Name: Project Number: API 30-025-38677

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	$\operatorname{Time}$	$\operatorname{Date}$
Sample	Description	Matrix	Taken	Taken	Received
156400	#001 SE Corner 2'	soil	2008-04-09	07:00	2008-04-10
156401	#002 NE Corner 2'	soil	2008-04-09	08:00	2008-04-10
156402	#003 NW Corner 2'	soil	2008-04-09	09:00	2008-04-10
156403	#004 SW Corner 2'	soil	2008-04-09	10:00	2008-04-10
156404	#005 Background 0-6"	soil	2008-04-09	11:00	2008-04-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

#### Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Report Date: April 14, 2008

API 30-025-38677

Work Order: 8041037 Mescalero B29 #1

Page Number: 2 of 4 Sec. 19, T19S, R34E

### **Analytical Report**

Sample: 1	56400 -	#001	$\mathbf{SE}$	Corner	<b>2</b>
-----------	---------	------	---------------	--------	----------

Analysis:

Chloride (Titration)

QC Batch: 47422 Prep Batch: 40775

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2008-04-11

2008-04-11

Prep Method: N/A Analyzed By: ER Prepared By: ER

RL

3.25

· RL

Dilution Parameter Flag Result Units 96.3 Chloride mg/Kg 10

#### Sample: 156401 - #002 NE Corner 2'

Analysis:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B

Prep Method: N/A

QC Batch: 47422 Prep Batch: 40775 Sample Preparation:

2008-04-11 2008-04-11

Analyzed By: ER Prepared By: ER

RL

Parameter Flag Result Units Dilution RLChloride <32.5 mg/Kg 3.25

#### Sample: 156402 - #003 NW Corner 2'

Analysis: QC Batch: Prep Batch: Chloride (Titration)

47422 40775 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2008-04-11 2008-04-11

Prep Method: N/A Analyzed By:  $\mathbf{E}\mathbf{R}$ Prepared By:  $\mathbf{E}\mathbf{R}$ 

RL

Parameter Flag Result Units Dilution RLChloride 76.6 mg/Kg 10 3.25

#### Sample: 156403 - #004 SW Corner 2'

Analysis:

Chloride (Titration)

QC Batch: 47422 Prep Batch: 40775 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2008-04-11 2008-04-11

Prep Method: N/A Analyzed By: ER. Prepared By:  $\mathbf{E}\mathbf{R}$ 

RL

Parameter Flag Result Units Dilution RLChloride 74.6 mg/Kg10 3.25

#### Sample: 156404 - #005 Background 0-6"

Analysis:

Chloride (Titration)

QC Batch: 47422 Prep Batch: 40775

Analytical Method: SM 4500-Cl B Date Analyzed:

2008-04-11 Sample Preparation: 2008-04-11 Prep Method: N/A Analyzed By:  $\mathbf{E}\mathbf{R}$ 

 $\mathbf{E}\mathbf{R}$ 

Prepared By:

Report Date: April 14, 2008

API 30-025-38677

Chloride

Work Order: 8041037 Mescalero B29 #1

Page Number: 3 of 4 Sec. 19, T19S, R34E

Parameter

RLFlag Result 41.2

Units mg/Kg Dilution 10

RL3.25

Method Blank (1)

QC Batch: 47422

QC Batch: 47422 Prep Batch: 40775 Date Analyzed: 2008-04-11 QC Preparation: 2008-04-11

Analyzed By: ER Prepared By: ER

MDL

Result Units RLParameter Flag < 1.80 Chloride mg/Kg 3.25

Laboratory Control Spike (LCS-1)

QC Batch:

47422

Date Analyzed:

2008-04-11

Analyzed By: ER

Prep Batch: 40775

QC Preparation: 2008-04-11

Prepared By: ER

LCS Spike Matrix Rec. Result Param Units Dil. Amount Result Rec. Limit Chloride 100 mg/Kg 100 < 1.80 100 96.8 - 103

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			$\mathbf{Spike}$	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.8 - 103	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156399

QC Batch: 47422

Prep Batch: 40775

Date Analyzed:

QC Preparation:

2008-04-11

2008-04-11

Analyzed By: ER

Prepared By: ER

MS Spike Matrix Rec. Param Result Units Dil. Amount Result Limit Rec. Chloride 688 mg/Kg 10 500 94.303 119 76.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MSD			$\mathbf{Spike}$	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	634	mg/Kg	10	500	94.303	108	76.4 - 123	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 47422

Date Analyzed: 2008-04-11

Analyzed By: ER

Report Date: April 14, 2008

API 30-025-38677

Work Order: 8041037 Mescalero B29 #1 Page Number: 4 of 4 Sec. 19, T19S, R34E

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2008-04-11

Standard (CCV-1)

QC Batch: 47422

Date Analyzed: 2008-04-11

Analyzed By: ER

			CCVs	$\mathrm{CCVs}$	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	$\mathbf{Units}$	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-04-11

LAB Order ID#	804	1037	)
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Page_	OT	

## TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 Tet (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296

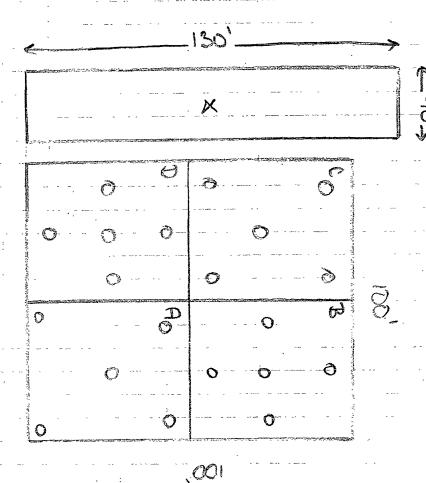
5002 Basin Street, Suite A1 **Midland, Texas 79703** Tel (432) 689-6301 Fax (432) 689-6313

200 East Sunset Rd , Suite E El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-3494
1 (888) 588-3443

Example Bowie Blvd West Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

<u> </u>	1 (600) 376-1296														(88	5) 56	0-344	43								1								
Company Name:  S. B. Delfylol Serv.  Address: (Street, City, Zip)  Fax #: 1 628 - 0176															<b>′</b> С;		A	NA	LYS	SIS	REC	QUE	ST		Al -		<del></del>							
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Contact Person:  Invoice to: (If different from above)  Project #:  Project Name:  Project Location (including state):  Project Location (including state):  Sampler Signature:  Sampler Signature:																	-						n stan											
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LAB# (LAB USE) ONLY		LD CODE		# CONTAINERS	Volume / Amount	WATER	SOIL	SLUDGE	HCI	HNO,	H,SO <sub>4</sub>	ICE ICE	NONE	DATE		TIME	MTBE 8021B/	BTEX 8021B / 602 / 8 TPH 418 1 / TX1005 /	TPH 8015 GRO / DRO	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	GC/MS Vol 82	GC/MS Semi. Vol 8270C	PCB's 8082 / 608	BOD, TSS, pH	Moisture Content			The first first and the second	Turn Around Time if different from standard	Hold
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Submittal of	samples constit	lutes agree	ment to Ten		d Cond			on re	everse	side	of C	, O. C					Са	rner#	_(		Q.	u	<u> </u>	lo				*********	~444					

# Mescovero B29#1



POL N 32° 37'28.7''
W103° 35'22.8"

9-30037'28.4"-103035'21.4"

B-32°32'29.0"-103°35'21.5"

C-32°37'28.9" - 103°35'21.9"

D-32037'28.411 - 103035'22.011

CIMAREX ENERGY CO. OF COLORADO MESCALERO B 29 FEDERAL NO. 001 330' FSL & 660' FWL UNIT M. SEC. 19-T19S-R34E API #30-025-38677 LEA COUNTY. NM #NM-24165 800-969-4789

