

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

Form C-144
June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: <u>Cimarex Energy Co of Colorado</u> Telephone: <u>505-628-3447</u> e-mail address: <u>dorsey.rogers@aol.com</u>		
Address: <u>207 S Mesa, Carlsbad NM</u>		
Facility or well name: <u>Mescalero 399 Federal No 1</u> API #: <u>30-025-38677</u> U/L or Qtr/Qtr <u>M</u> Sec <u>29</u> T <u>19S</u> R <u>34E</u>		
County: <u>Lea</u> Latitude <u>32° 37' 37" 44N</u> Longitude <u>103° 35' 17.87W</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>		
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>150'</u>	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	<u>100 feet or more</u>	<u>(0 points)</u>
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	<u>No</u>	<u>(0 points)</u>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	<u>1000 feet or more</u>	<u>(0 points)</u>
Ranking Score (Total Points)		<u>0</u>

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: <u>Closed and finished on 4-11-08</u>
<u>DEEP BURY</u>

I hereby certify that the information above is true and complete to the best 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 guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u>4/20/2008</u>	Printed Name/Title: <u>D. Rogers Duty Supt.</u>	Signature: <u>[Signature]</u>
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Approval:	Signature: <u>[Signature]</u>	Date: <u>4.22.08</u>
Printed Name/Title: _____	Signature: <u>ENVIRONMENTAL ENGINEER</u>	Date: _____

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Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Cimarex Energy Co of Colorado</u> Telephone <u>972-401-3111</u> e-mail address <u>zfarris@cimarex.com</u>		
Address <u>PO Box 140907, Irving, TX 75014-0907</u>		
Facility or well name <u>Mescalero B 29 Federal No 1</u> API # <u>30-025-38677</u> U/L or Qtr/Qtr <u>M</u> Sec <u>29</u> T <u>19S</u> R <u>34E</u>		
County <u>Lea</u> Latitude <u>32° 37' 37.44 N</u> Longitude <u>103° 35' 17.87 W</u> NAD. 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>		
Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type. Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl closed system, cuttings buried		
Below-grade tank Volume _____ bbl Type of fluid: _____ Construction material _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) <u>150'</u>	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(0 points)
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes	(20 points)
	No	(0 points)
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	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) Indicate disposal location (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No ☐ Yes ☐ If yes, show depth below ground surface _____ ft and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments:

I hereby certify that the information above is true and complete to the best 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 guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date 09.11.07

Printed Name/Title Zeno Farris - Manager Operations Administration Signature Zeno Farris

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval
Printed Name/Title CHRIS WILLIAMS / DIST. SUPERV. Signature Chris Williams Date 1/4/08



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: April 14, 2008

Work Order: 8041037



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

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

Sample	Description	Matrix	Date Taken	Time Taken	Date 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.

Analytical Report

Sample: 156400 - #001 SE Corner 2'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		96.3	mg/Kg	10	3.25

Sample: 156401 - #002 NE Corner 2'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<32.5	mg/Kg	10	3.25

Sample: 156402 - #003 NW Corner 2'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		76.6	mg/Kg	10	3.25

Sample: 156403 - #004 SW Corner 2'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		74.6	mg/Kg	10	3.25

Sample: 156404 - #005 Background 0-6"

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47422	Date Analyzed:	2008-04-11	Analyzed By:	ER
Prep Batch:	40775	Sample Preparation:	2008-04-11	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		41.2	mg/Kg	10	3.25

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

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 47422
Prep Batch: 40775

Date Analyzed: 2008-04-11
QC Preparation: 2008-04-11

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	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.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	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: 2008-04-11
QC Preparation: 2008-04-11

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
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.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	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

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

email: lab@traceanalysis.com

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Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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El Paso, Texas 79922
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Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd West Suite 180
Ft. Worth, Texas 76116
 Tel (817) 201-5260
 Fax (817) 560-4336

Company Name: S.B. OELFELD Serv. Phone #: (523) 706-5645
Address: (Street, City, Zip) Fax #: 628-0176
to Box 1502 Carlsbad N.M. 88221
Contact Person: E-mail:

Invoice to: Imorex Energy
(If different from above)

Project #: 900# 30-025-38677

Project Location (including state):
Sec. 19, T19S, R34E

Project Name: Moscalero B29 #1

Sampler Signature: C. S. Bush

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
<i>C. E. Bunch</i>	<i>S.B.</i>	<i>4/9/08</i>	<i>4:00pm</i>	<i>[Signature]</i>	<i>Per-X</i>	<i>4-10-08</i>	<i>9:55</i>	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
<i>[Signature]</i>	<i>Per-X</i>	<i>4-10-08</i>	<i>9:55</i>					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp °C:
				Brenda Ward	Tracer	4/10/08	9:55	2

LAB USE ONLY

Intact Y N
Headspace Y N NA
Log-in-Review 2

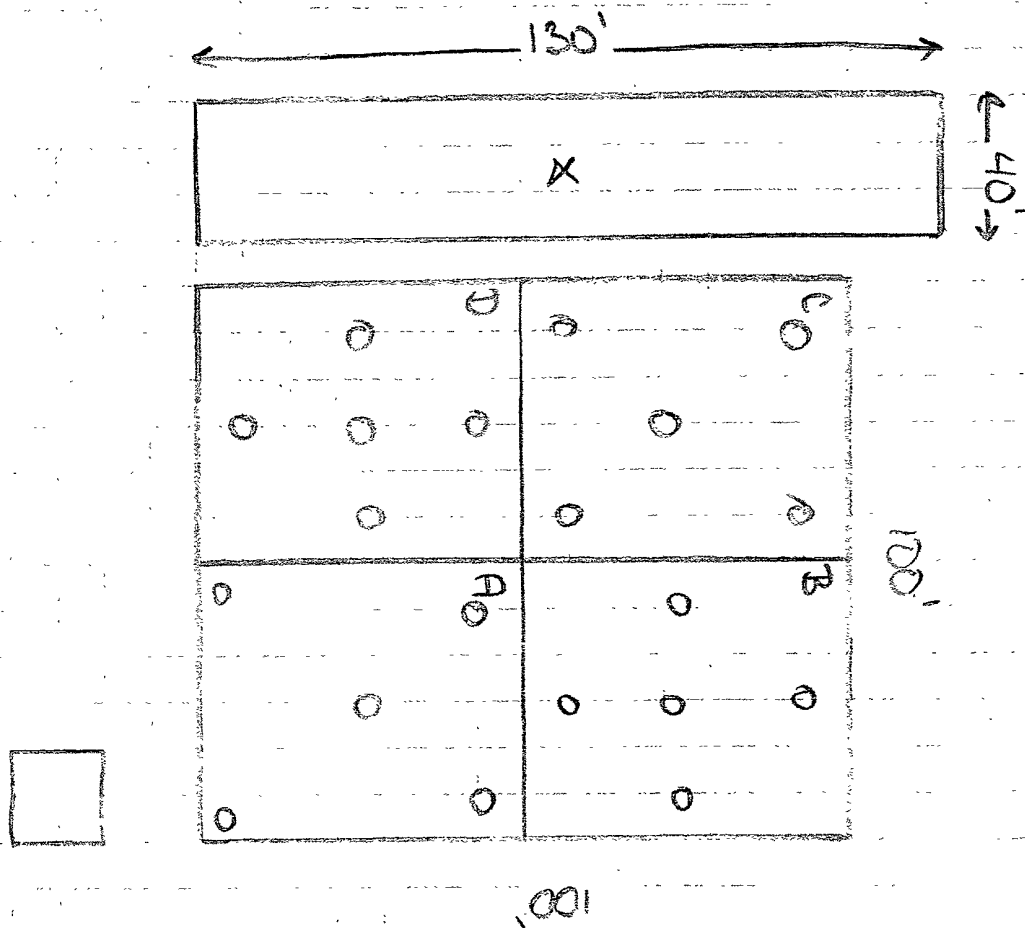
REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Cary

Mescalero B29 #1



Background - $N 32^{\circ} 37' 22.0''$
 $\omega 103^{\circ} 35' 22.5''$

Pt $N 32^{\circ} 37' 28.7''$
 $\omega 103^{\circ} 35' 22.8''$

A - $32^{\circ} 37' 28.4'' - 103^{\circ} 35' 21.4''$

B - $32^{\circ} 37' 29.0'' - 103^{\circ} 35' 21.5''$

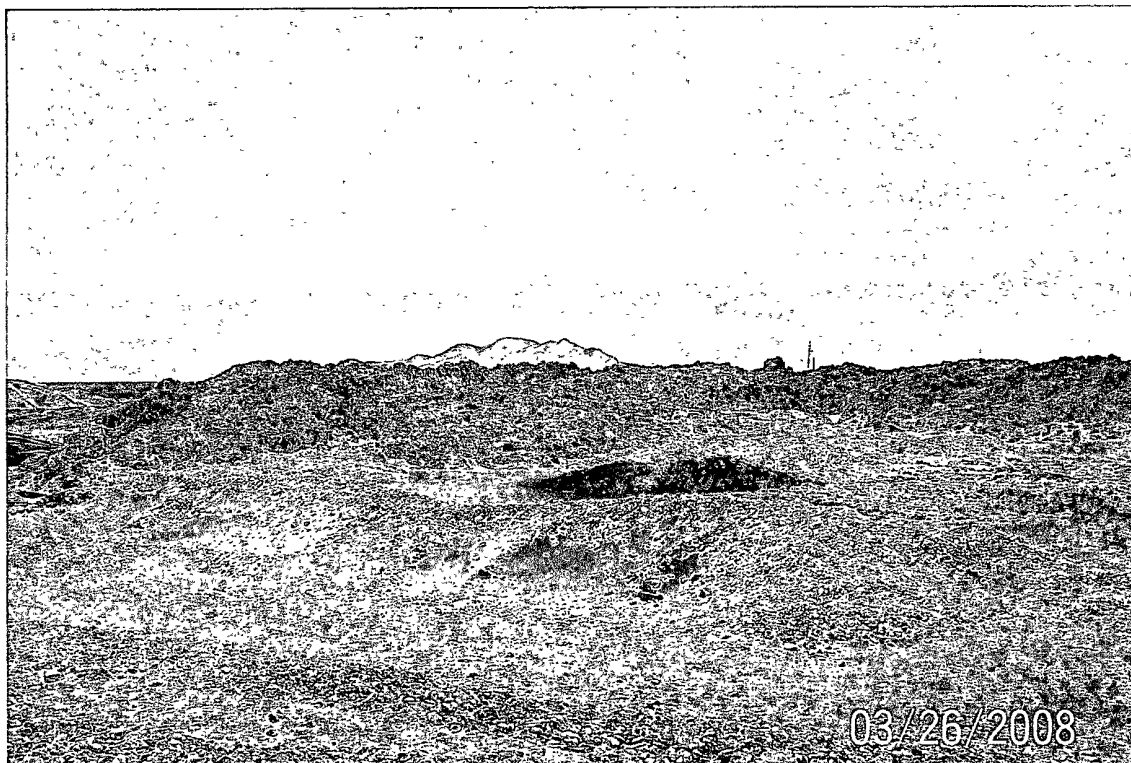
C - $32^{\circ} 37' 28.9'' - 103^{\circ} 35' 21.9''$

D - $32^{\circ} 37' 28.4'' - 103^{\circ} 35' 22.0''$



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

03/26/2008



03/26/2008

