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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstreams 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: Comarex Energy Telephone: _____ e-mail address: _____
Address: _____
Facility or well name: Mescalero 19 Fed #2 API #: 30-025-36737 U/L or Qtr/Qtr L Sec 19 T 19s R 34E
County: Lea Co. Latitude N 32° 38' 35.9" Longitude W 103° 36' 19.1" NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☑ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling ☑ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☑ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 10
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	10

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 your 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:
See Attached work plan.

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: 10/25/2006
Printed Name/Title Bobby Logan Dist Supt Signature _____

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 L. Johnson. Environ Engr Signature _____ Date: 10.26.06

Received
Hobbs
OCD

BACKFILL APPROVED
2.12.07 BJ OCD

P.O. Box 310
Hobbs, NM 88241-0310

Off 505.392.8584
Cell 505.631.2442
Fax 505.392.3085

New Mexic Environmental Services

Hobbs, New Mexico

Reserve Pit Remediation

SURFACE PIT CLOSURE PLAN

PIT PARAMETERS

COMPANY: Cimerex Energy.
WELL SITE: Mescalero 19 Fed. #2
LEGAL DESCRIPTION: Sec.19,T19s,R34e
LAT:N32*38'35.4"LONG:W103*36'19.1"

The reserve pit inset on this leasehold is being permitted to close as per New Mexico OCD "Pit and Below Grade Tank Guidelines" dated November 1, 2004.

This pit was excavated and formed to the dimensions roughly 120'x 120'x 6' deep. A 12 mil membrane liner and pad was used to prevent leakage to the surface soils. A visual examination of the membrane liner indicates that the liner had maintained its integrity.

After the drilling and completion phase of this project, the water phase of the pit contents were pumped and hauled to an approved water injection facility. It is estimated that the volume of solids remaining are to +/- 1500 yards. The burial cell is to be excavated and lined with a 20 mil membrane that complies with ASTM Standards: D-5747, D-5199, D-5994, and D-4833. The cutting will be loaded as to allow for >36" freeboard to ground level. After the cutting are loaded the 12 mil liner will be folded over the top, and a 20 mil minimum thickness liner meeting the minimum requirements as outlined in ASTM Standard Methods: D-5747, D-5199, D-5994, D-4833; will be used to cap and cover to an extended area that exceeds three feet in all directions from the edge of the burial cell.

A minimum of 36" of top soil will be used to cover the burial cell. This soil must be capable of supporting plant growth. A seed mixture will be used as to conform to local BLM and OCD requirements.

After the drilling solids are buried, the natural contour of the surrounding soils will be mechanically shaped as to prevent erosion of the well site until vegetation is established.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cris Busby
New Mexico Environmental
P.O. Box 310
Hobbs, NM, 88241

Report Date: January 22, 2007

Work Order: 7012213

Project Location: Mescalero 19 # 2 APL #30-025-36737
Project Number: Mescalero 19 # 2 APL #30-025-36737

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
114353	#001 S.E. Corner 3'	soil	2007-01-19	14:00	2007-01-22
114354	#002 N.E. Corner 3'	soil	2007-01-19	14:30	2007-01-22
114355	#003 N.W. Corner 3'	soil	2007-01-19	15:00	2007-01-22
114356	#004 S.W. Corner 3'	soil	2007-01-19	15:30	2007-01-22
114357	#005 Center 3'	soil	2007-01-19	16:00	2007-01-22
114358	#006 Background	soil	2007-01-19	16:30	2007-01-22

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.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 114353 - #001 S.E. Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**19.0**	mg/Kg	2	2.00

Sample: 114354 - #002 N.E. Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**38.0**	mg/Kg	2	2.00

Sample: 114355 - #003 N.W. Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**107**	mg/Kg	2	2.00

Sample: 114356 - #004 S.W. Corner 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**122**	mg/Kg	2	2.00

Sample: 114357 - #005 Center 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**96.3**	mg/Kg	2	2.00

Sample: 114358 - #006 Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	Sample Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**7.99**	mg/Kg	2	2.00

Method Blank (1) QC Batch: 33864

QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	QC Preparation:	2007-01-22	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	QC Preparation:	2007-01-22	Prepared By:	SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	89.8	mg/Kg	1	100	<3.25	90	90 - 110

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	90.6	mg/Kg	1	100	<3.25	91	90 - 110	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: 114358

QC Batch:	33864	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29408	QC Preparation:	2007-01-22	Prepared By:	SM

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [1]	162	mg/Kg	2	200	7.992	77	84.6 - 117

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 [2]	166	mg/Kg	2	200	7.992	79	84.6 - 117	2	20

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

Standard (ICV-1)

QC Batch: 33864 Date Analyzed: 2007-01-22 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.1	99	85 - 115	2007-01-22

Standard (CCV-1)

QC Batch: 33864 Date Analyzed: 2007-01-22 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-01-22

[1] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: January 22, 2007
Mescalero 19 # 2 APL #30-025-36737

Work Order: 7012213

Page Number: 5 of 5
Mescalero 19 # 2 APL #30-025-36737

Received by: [signature] 1-22-07 12:05

Log-in-Review: [signature]

Check if Special Reporting Limits Are Needed

Carrier # Company Truck

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

ORIGINAL COPY

LAB Order ID # 7012213 Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (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) 585-4944, 1 (888) 588-3443
6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: New Mexico Environmental Serv. Phone #: 505-441-0403

Address: (Street, City, Zip) P.O. Box 310 Hobbs N.M. 88240 Fax #: 505-392-3265

Contact Person: Chris Brown E-mail: sherry.rogers@aol.com

Invoice to: (If different from above) Cimarex Energy

Project #: Project Name:

Project Location (including state): Mescalero 19 #2 API# 30-025-36737 Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
114353	#001 S.E Corner 3'	1	4oz		X							X		1/19/07	2:00
54	#002 N.E Corner 3'				X							X			2:30
55	#003 N.W. Corner 3'				X							X			3:00
56	#004 S.W. Corner 3'				X							X			3:30
57	#005 Center 3'				X							X			4:00
58	#006 Background				X							X			4:30

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content				Turn Around Time if different from standard	Hold

Relinquished by: [signature] Date: 1/22/07 Time: 9:00am

Received by: [signature] Date: 1/22/07 Time: 9:00am

Relinquished by: [signature] Date: 1/22/07 Time: 12:05

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Laboratory by: Date: Time:

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 4°C

REMARKS:

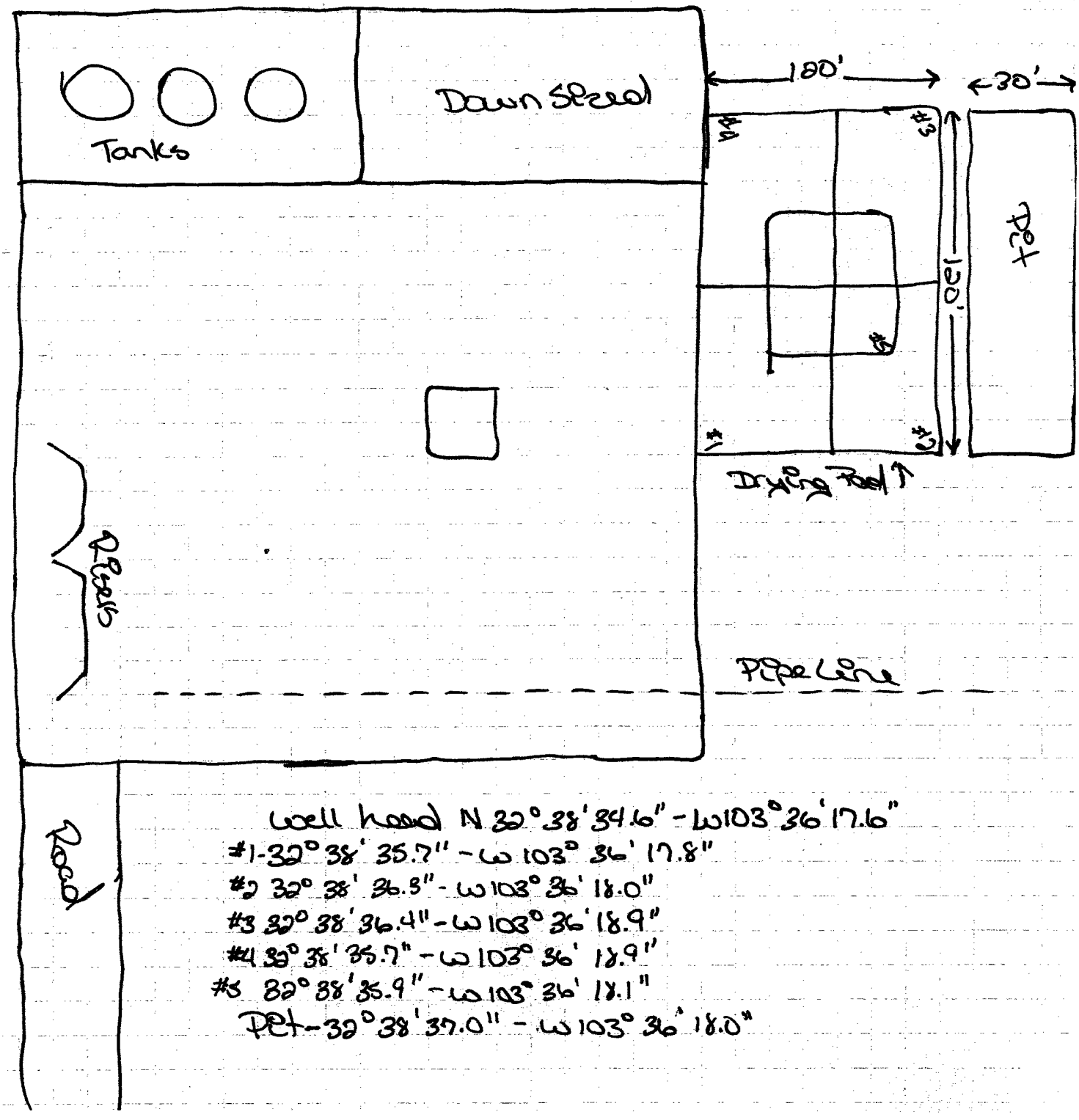
- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting

Cimarex Mescalero 19 Fed #2

1650' fsl & 990' fwl API # 30-025-36737

Unit L, Sec. 19, T19S, R34E. Lea Co. N.M.

N 32° 38' 34.6 - W 103° 36' 17.5"



Well head N 32° 38' 34.6" - W 103° 36' 17.6"

#1 - 32° 38' 35.7" - W 103° 36' 17.8"

#2 32° 38' 36.5" - W 103° 36' 18.0"

#3 32° 38' 36.4" - W 103° 36' 18.9"

#4 32° 38' 35.7" - W 103° 36' 18.9"

#5 32° 38' 35.9" - W 103° 36' 18.1"

Pit - 32° 38' 37.0" - W 103° 36' 18.0"