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 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 X

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

JUL 31 2007
OCD-ARTESIA

Operator: Mewbourne Oil Co. Telephone: 505-393-5915 e-mail address:
Address: 701 S. Cecil Hobbs N.M. 88240
Facility or well name: Geronimo 23#2 API #: 30-015-35163 U/L or Qtr/Qtr N Sec 23 T 18S R 31E
County: Eddy Latitude N32-43-38.9 Longitude W103-50-26.6 NAD: 1927 ☐ 1983 X
Surface Owner: Federal X State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling X Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X Unlined ☐ Liner type: Synthetic X Thickness 12 mil Clay ☐ Pit Volume 5,000 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) 250'
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)
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)
	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 your are burying in place) onsite X 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 X 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: Closure work plan for drilling pit. Category 2 location: The drilling pit contents will be excavated from the pit area.
If there is evidence of contamination, the soil will be tested by lab and if contamination is confirmed, further remediation will be conducted according to guidelines. A trench will be installed. The trench will be lined with a 20-mil impervious liner and the excavated material will be placed on top and encapsulated.
The excavated pit will be backfilled with clean soil and the pit area as well as the trench will be covered and contoured with three feet of soil or like material capable of supporting native plant growth to prevent erosion and ponding of rainwater.
A one call and a 48 hour notice will be provided to the Oil Conservation Division.

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 X or an (attached) alternative OCD-approved plan ☐.

Date: 7-30-07 Printed Name/Title Jeff Raines/Agent Mewbourne 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.

Notify OCD 24 hours prior to beginning pit closure.

Signed By Mike Bratcher Date: JUL 31 2007

Samples are to be obtained from Pit area and analysis submitted to NMOCD prior to back-filling.
NOTIFY NMOCD 24 HOURS PRIOR TO OBTAINING SAMPLES.

If burial trench is constructed in pit area – **Sample analyses are to be submitted to NMOCD PRIOR** to lining the trench.

E

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: July 23, 2007

Work Order: 7072043

Project Location: Unit F SLC 14 Sec 195R 29E
Project Name: St 14 A Com #002
Project Number: API 30-015-34604

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130678	0-6" SE	soil	2007-07-19	13:00	2007-07-20
130679	0-6" SW	soil	2007-07-19	13:30	2007-07-20
130680	0-6" Center	soil	2007-07-19	13:45	2007-07-20
130681	0-6" NE	soil	2007-07-19	14:00	2007-07-20
130682	0-6" NW	soil	2007-07-19	14:15	2007-07-20
130683	0-6" BG	soil	2007-07-19	14:45	2007-07-20

Sample: 130678 - 0-6" SE

Param	Flag	Result	Units	RL
Chloride		**167**	mg/Kg	5.00

Sample: 130679 - 0-6" SW

Param	Flag	Result	Units	RL
Chloride		**91.3**	mg/Kg	5.00

Sample: 130680 - 0-6" Center

Param	Flag	Result	Units	RL
Chloride		**78.0**	mg/Kg	5.00

Sample: 130681 - 0-6" NE

Param	Flag	Result	Units	RL
Chloride		**76.1**	mg/Kg	5.00

Sample: 130682 - 0-6" NW

Param	Flag	Result	Units	RL
Chloride		**76.1**	mg/Kg	5.00

Sample: 130683 - 0-6" BG

Param	Flag	Result	Units	RL
Chloride		**35.8**	mg/Kg	5.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 | Lubbock, Texas 79424 | (806) 794-1296 | FAX (806) 794-1298
2501 East Second Street, Suite E | El Paso, Texas 79905 | (915) 585-3443 | FAX (915) 585-4944
5002 Basin Street, Suite A1 | Midland, Texas 79703 | (432) 689-6301 | FAX (432) 689-6313
8343 Douglas Avenue, Suite 120 | Dallas, Texas 75225 | (214) 902-0300 | FAX (214) 902-0302
e-Mail: info@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: July 23, 2007

Work Order: 7072043

Project Location: Unit F SLC 14 Sec 195R 29E
Project Name: St 14 A Com #002
Project Number: API 30-015-34604

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
130678	0-6" SE	soil	2007-07-19	13:00	2007-07-20
130679	0-6" SW	soil	2007-07-19	13:30	2007-07-20
130680	0-6" Center	soil	2007-07-19	13:45	2007-07-20
130681	0-6" NE	soil	2007-07-19	14:00	2007-07-20
130682	0-6" NW	soil	2007-07-19	14:15	2007-07-20
130683	0-6" BG	soil	2007-07-19	14:45	2007-07-20

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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project St 14 A Com #002 were received by TraceAnalysis, Inc. on 2007-07-20 and assigned to work order 7072043. Samples for work order 7072043 were received intact at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072043 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130678 - 0-6" SE

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**167**	mg/Kg	20	5.00

Sample: 130679 - 0-6" SW

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**91.3**	mg/Kg	10	5.00

Sample: 130680 - 0-6" Center

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**78.0**	mg/Kg	10	5.00

Sample: 130681 - 0-6" NE

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**76.1**	mg/Kg	10	5.00

Sample: 130682 - 0-6" NW

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**76.1**	mg/Kg	10	5.00

Sample: 130683 - 0-6" BG

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	Sample Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**35.8**	mg/Kg	4	5.00

Method Blank (1) QC Batch: 39313

QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	QC Preparation:	2007-07-23	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	QC Preparation:	2007-07-23	Prepared By:	ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	95.3	mg/Kg	1	100	<3.25	95	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	99.0	mg/Kg	1	100	<3.25	99	90 - 110	4	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: 130683

QC Batch:	39313	Date Analyzed:	2007-07-23	Analyzed By:	ER
Prep Batch:	34031	QC Preparation:	2007-07-23	Prepared By:	ER

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]	557	mg/Kg	4	400	35.775	130	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]	548	mg/Kg	4	400	35.775	128	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: 39313 Date Analyzed: 2007-07-23 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-07-23

Standard (CCV-1)

QC Batch: 39313 Date Analyzed: 2007-07-23 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.9	100	85 - 115	2007-07-23

[1]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.