

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 ☒ No ☐

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

Operator: <u>Comorex Energy</u> Telephone: _____ e-mail address: _____	
Address: _____	
Facility or well name: <u>Laguna Deep Unit #12</u> API #: <u>30-025-37992</u> U/L or Qtr/Qtr <u>N</u> Sec <u>25</u> T <u>19S</u> R <u>33E</u>	
County: <u>Lea Co.</u> Latitude <u>N 32° 37' 35.4"</u> Longitude <u>W 103° 37' 12.9"</u> NAD: 1927 ☐ 1983 ☐	
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐	
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> mil Clay ☐ Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not: <u>WTR 85'</u>
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) <u>50 feet or more, but less than 100 feet</u> (10 points) <u>10</u> 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) <u>No</u> (0 points) <u>0</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) <u>200 feet or more, but less than 1000 feet</u> (10 points) <u>0</u> <u>1000 feet or more</u> (0 points)
Ranking Score (Total Points) <u>10</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>See Attached work plan.</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 ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Date: 10/25/2006
Printed Name/Title: DANIEL RASPAZ, District Supervisor Signature: [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: <u>L. J. HANSEN - Engineer</u> Signature: <u>[Signature]</u>

OCT 26 2006
Received
Hobbs
OCD
1-1234567

Report Date: December 4, 2006
API #30-025-37992

Work Order: 6120143

Page Number: 1 of 2
Laguna Deep Unit #12

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

PIT CLOSURE
OCD APPROVED 12.5.06
Opheia

Report Date: December 4, 2006

Work Order: 6120143



Project Location: Laguna Deep Unit #12
Project Number: API #30-025-37992

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
110298	Sande #001 NE Corner	soil	2006-11-29	12:00	2006-12-01
110299	#002 NW Corner	soil	2006-11-29	12:30	2006-12-01
110300	#003 Center	soil	2006-11-29	13:00	2006-12-01
110301	#004 SW Corner	soil	2006-11-29	13:30	2006-12-01
110302	#005 SE Corner	soil	2006-11-29	14:00	2006-12-01
110303	#006 Background	soil	2006-11-29	14:30	2006-12-01

Sample: 110298 - Sande #001 NE Corner

Param	Flag	Result	Units	RL
Chloride		105	mg/Kg	2.00

Sample: 110299 - #002 NW Corner

Param	Flag	Result	Units	RL
Chloride		100	mg/Kg	2.00

Sample: 110300 - #003 Center

Param	Flag	Result	Units	RL
Chloride		102	mg/Kg	2.00

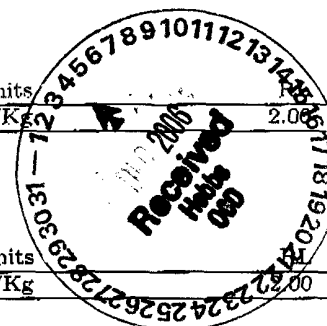
Sample: 110301 - #004 SW Corner

Param	Flag	Result	Units	RL
Chloride		89.2	mg/Kg	2.00

Sample: 110302 - #005 SE Corner

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12/04/2006 MON 19:55 [TX/RX NO 6843] 002



Report Date: December 4, 2006
API #30-025-27002

Work Order: 6120143

Page Number: 2 of 2
Laguna Deep Unit #12

Param	Flag	Result	Units	RL
Chloride		103	mg/Kg	2.00

Sample: 110303 - #006 Background

Param	Flag	Result	Units	RL
Chloride		23.8	mg/Kg	2.00

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12/04/2006 MON 19:55 [TX/RX NO 6843] 003

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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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: Cemorex Energy Phone #: 505-441-0403
Address: P.O. Box 810 Fax #: 505-392-3085
Contact Person: Cres Bush E-mail: dcres@cemorex.com
Invoice to:
(If different from above)
Project #: Project Name:

Project Location (including state): Logan Deep Unit #2 Apt #30-005-8792 Sampler Signature: Cres Bush

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021B / 8000 BTX 8021B / 602 TPH 418.1 / TX1000 TPH 8015 GRO / DD PAH 8270C / 825 Total Metals Ag As Ba TCLP Metals Ag As TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B GC/MS Semi. Vol. 8 PCB's 8082 / 608 Pesticides 8081A / BOD, TSS, pH Moisture Content	Turn Around Time if	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE			TIME
110298	Sample #001 NE corner	1	400	X									11/29	12:00			
99	#002 NW corner	1		X										12:30			
300	#003 Center	1		X										1:00			
301	#004 S.W. Corner	1		X										1:30			
302	#005 S.E. corner	1		X										2:00			
303	#006 background	1		X										2:30			

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 8010B/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	PCBs 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	
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Relinquished by: Cres Bush Date: 12/1/06 Time: 1:30
Received by: [Signature] Date: 12-1-06 Time: 1:35
Relinquished by: [Signature] Date: 12-1-06 Time: 4:32
Received at Laboratory by: [Signature] Date: 12-1-06 Time: 4:32 p

LAB USE ONLY
Initial: [Signature]
Headspace: [Signature]
Temp: 40
Log-In Review: [Signature]
REMARKS:
☐ Dry Weight Basis Required
☐ TRBP Report Required
☐ Check if Special Reporting Limits Are Needed

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

Carrier # Carried In

12/01/2006 FRI 05:28 [TX/RX NO 68361] 001

TRACEANALYSIS PAGE 01

8067941298

12/01/2006 18:43



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

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

UL-K-SEC. 32, T19S, R34E
API # 30-025-37703
GW - 148'

Report Date: November 10, 2006

Work Order: 6110936



Project Location: Lea Co, NM
Project Number: Quail Ridge 32 ST #2

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
108457	1-NW 1/4 @ 3'	soil	2006-11-08	14:00	2006-11-09
108458	2-NE 1/4 @ 3'	soil	2006-11-08	14:20	2006-11-09
108459	3-Center 1/4 @ 3'	soil	2006-11-08	14:50	2006-11-09
108460	4-SE 1/4 @ 3'	soil	2006-11-08	15:20	2006-11-09
108461	5-SW 1/4 @ 3'	soil	2006-11-08	15:40	2006-11-09
108462	6- Background @ 6 Inch	soil	2006-11-08	16:10	2006-11-09

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 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

FINAL
OCD APPROVED 12.5.06
[Signature]



Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 108457 - 1-NW 1/4 @ 3'

Analysis: BTEX
QC Batch: 31751
Prep Batch: 27657

Analytical Method: S 8021B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.911	mg/Kg	1	1.00	91	43.2 - 146

Sample: 108457 - 1-NW 1/4 @ 3'

Analysis: Chloride (Titration)
QC Batch: 31767
Prep Batch: 27667

Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/Kg	1	2.00

Sample: 108457 - 1-NW 1/4 @ 3'

Analysis: TPH DRO
QC Batch: 31742
Prep Batch: 27649

Analytical Method: Mod. 8015B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Sample: 108457 - 1-NW 1/4 @ 3'

Analysis: TPH GRO
QC Batch: 31752
Prep Batch: 27657

Analytical Method: S 8015B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	1	1.00	115	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	21.8 - 188

Sample: 108458 - 2-NE 1/4 @ 3'

Analysis: BTEX
QC Batch: 31751
Prep Batch: 27657

Analytical Method: S 8021B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.906	mg/Kg	1	1.00	91	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.818	mg/Kg	1	1.00	82	43.2 - 146

Sample: 108458 - 2-NE 1/4 @ 3'

Analysis: Chloride (Titration)
QC Batch: 31767
Prep Batch: 27667

Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/Kg	1	2.00

Sample: 108458 - 2-NE 1/4 @ 3'

Analysis: TPH DRO
QC Batch: 31742
Prep Batch: 27649

Analytical Method: Mod. 8015B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		146	mg/Kg	1	150	97	50 - 150

Sample: 108458 - 2-NE 1/4 @ 3'

Analysis: TPH GRO
QC Batch: 31752
Prep Batch: 27657

Analytical Method: S 8015B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	21.8 - 188

Sample: 108459 - 3-Center 1/4 @ 3'

Analysis: BTEX
QC Batch: 31751
Prep Batch: 27657

Analytical Method: S 8021B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.907	mg/Kg	1	1.00	91	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.843	mg/Kg	1	1.00	84	43.2 - 146

Sample: 108459 - 3-Center 1/4 @ 3'

Analysis: Chloride (Titration)
QC Batch: 31767
Prep Batch: 27667

Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2.90	mg/Kg	1	2.00

Sample: 108459 - 3-Center 1/4 @ 3'

Analysis: TPH DRO
QC Batch: 31742
Prep Batch: 27649

Analytical Method: Mod. 8015B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		146	mg/Kg	1	150	97	50 - 150

Sample: 108459 - 3-Center 1/4 @ 3'

Analysis: TPH GRO
QC Batch: 31752
Prep Batch: 27657

Analytical Method: S 8015B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	21.8 - 188

Sample: 108460 - 4-SE 1/4 @ 3'

Analysis: BTEX
QC Batch: 31751
Prep Batch: 27657

Analytical Method: S 8021B
Date Analyzed: 2006-11-09
Sample Preparation: 2006-11-09

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.981	mg/Kg	1	1.00	98	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.895	mg/Kg	1	1.00	90	43.2 - 146

Sample: 108460 - 4-SE 1/4 @ 3'

Analysis: Chloride (Titration)
QC Batch: 31767
Prep Batch: 27667

Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-09

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2.70	mg/Kg	1	2.00

Sample: 108460 - 4-SE 1/4 @ 3'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 31742	Date Analyzed: 2006-11-10	Analyzed By: SP
Prep Batch: 27649	Sample Preparation: 2006-11-09	Prepared By: SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		160	mg/Kg	1	150	107	50 - 150

Sample: 108460 - 4-SE 1/4 @ 3'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 31752	Date Analyzed: 2006-11-09	Analyzed By: KB
Prep Batch: 27657	Sample Preparation: 2006-11-09	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	21.8 - 188

Sample: 108461 - 5-SW 1/4 @ 3'

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035
QC Batch: 31751	Date Analyzed: 2006-11-09	Analyzed By: KB
Prep Batch: 27657	Sample Preparation: 2006-11-09	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.857	mg/Kg	1	1.00	86	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.801	mg/Kg	1	1.00	80	43.2 - 146

Sample: 108461 - 5-SW 1/4 @ 3'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	31767	Date Analyzed:	2006-11-10	Analyzed By:	SM
Prep Batch:	27667	Sample Preparation:	2006-11-09	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/Kg	1	2.00

Sample: 108461 - 5-SW 1/4 @ 3'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31743	Date Analyzed:	2006-11-10	Analyzed By:	SP
Prep Batch:	27649	Sample Preparation:	2006-11-09	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		151	mg/Kg	1	150	101	50 - 150

Sample: 108461 - 5-SW 1/4 @ 3'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31752	Date Analyzed:	2006-11-09	Analyzed By:	KB
Prep Batch:	27657	Sample Preparation:	2006-11-09	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.981	mg/Kg	1	1.00	98	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	21.8 - 188

Sample: 108462 - 6- Background @ 6 Inch

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	31751	Date Analyzed:	2006-11-09	Analyzed By:	KB
Prep Batch:	27657	Sample Preparation:	2006-11-09	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100

continued ...

sample 108462 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.942	mg/Kg	1	1.00	94	53.5 - 125
4-Bromofluorobenzene (4-BFB)		0.873	mg/Kg	1	1.00	87	43.2 - 146

Sample: 108462 - 6- Background @ 6 Inch

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	31767	Date Analyzed:	2006-11-10	Analyzed By:	SM
Prep Batch:	27667	Sample Preparation:	2006-11-09	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00 *	mg/Kg	1	2.00

Sample: 108462 - 6- Background @ 6 Inch

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31743	Date Analyzed:	2006-11-10	Analyzed By:	SP
Prep Batch:	27649	Sample Preparation:	2006-11-09	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Sample: 108462 - 6- Background @ 6 Inch

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31752	Date Analyzed:	2006-11-09	Analyzed By:	KB
Prep Batch:	27657	Sample Preparation:	2006-11-09	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	21.8 - 188

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

Company Name:	CIMAREX ENERGY	Phone #:	505-628-3447
Address:	(Street, City, Zip) 207 S. MESA CARLSBAD, NM 88220	Fax #:	505-628-3566
Contact Person:	DORSEY ROGERS	E-mail:	
Invoice to:	(If different from above) FAX OR E-MAIL TO PHOENIX ENVIRONMENTAL LLC		
Project #:	QUAIL RIDGE 32 ST #2	Project Name:	
Project Location (including state):	LEA CO, NM	Sampler Signature:	

LAB Order ID # 4110936

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021B / 6021B	BTX 8021B / 6021B	TPH 418.1 / TX1005	TPH 8015 GRO / DF	PAH 8270C / 625	Total Metals Ag As Ba C	TCLP Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B /	GC/MS Semi. Vol. 82	PCB's 8082 / 608	Pesticides 8081A / 6	BOD, TSS, pH	Moisture Content	VCL - chloro	Fax - 505-391- EA Hodge @.	Turn Around Time if	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE																						TIME

108457	1- NW 1/4 @ 3'	1	402	X						X		1-8-06	200	X	X																				
58	2- NE 1/4 @ 3'	1	}	X						X			220	X	X																				
51	3- CENTER 1/4 @ 3'	1		X						X			250	X	X																				
40	4- SE 1/4 @ 3'	1		X						X			320	X	X																				
41	5- SW 1/4 @ 3'	1		X						X			340	X	X																				
42	6- BACKGROUND @ 6"	1		X						X			410	X	X																				

J. MARK
DORSEY

ROBERTS

Relinquished by: <i>Alvin S.</i>	Date: <i>9-11-86</i>	Time: <i>4:30</i>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: <i>Alvin S.</i>	Date: <i>9-11-86</i>	Time: <i>4:30</i>

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp 4 °C

Log-In/Review

REMARKS: 24 hrs.

☐ 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 # 11212

Report Date: November 10, 2006
Quail Ridge 32 ST #2

Work Order: 6110936

Page Number: 16 of 16
Lea Co,NM