

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

Final

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: Cimarex Energy Telephone: 505-628-3447 e-mail address: dorsey.rogers@fd.com
 Address: 7101 Dorris Rd. Carlsbad N.M.
 Facility or well name: Crawford 26#2 API #: 30-015-33228 U/L or Q/U/Qr: B Sec: 26 T: 24S R 26E
 County: Eddy Latitude: 32°-11'-35.1" N Longitude: 104°-15'-42.5" W NAD: 1927 1983
 Surface Owner: Federal State Private Indian

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 type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>2400</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: <u>N/A</u> 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>20' bgs</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)	<u>20</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) 1000 feet or more (0 points)	<u>20</u>
Ranking Score (Total Points)		<u>60</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 Lealand, Inc. (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 final report

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: _____
 Printed Name/Title: Dorsey Rogers *Dorsey Rogers* Signature: *Dorsey Rogers*
 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: _____ Signature: _____ Date: _____

Accepted for record
NMOCD

Final Report
CIMAREX 2RP-59

AUG 29 2007
OCD-ARTESIA



*Cimarex Energy Company of Colorado
Dorsey Rogers
207 South Mesa
Carlsbad, New Mexico 8822*

Final Closure Report

*Crawford #26-2 Reserve Drilling Pit, API: 30-015-33228
Sec. 26 24S 26E – Eddy County, New Mexico
(OCD Case #2R0059)*

Prepared by:

Phoenix Environmental, LLC.

*P.O. Box 1856
Hobbs, New Mexico 88240*





PHOENIX ENVIRONMENTAL LLC

P.O. Box 1856

2113 French Dr.

Hobbs, NM 88241-1856

Office 505-391-9685

Fax 505-391-9687

August 19, 2007

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Mr. Wayne Price

Re: Cimarex Energy's Crawford #26-2 Reserve Drilling Pit **Final Closure Report**
API: 30-015-33228 – Sec. 26 24S 26E – Eddy County, New Mexico
(OCD Case #2R0059)

Dear Mr. Price:

Please let us take this time to thank you and your technical staff for your aid and assistance in the closure of Ciramex Energy's Crawford #26-2 reserve drilling pit, in Eddy County, New Mexico.

As per your instructions, monitor wells were installed and the pit closure incorporated a subsurface reinforced HDPE liner to mitigate chloride contamination or secondary environmental impact to the underlying fresh water.

This report contains information on the remediation, with work progress, sampling, testing, subsurface liner installation, bore hole drilling and testing, monitor well information and locations, along with pertinent photographs of the entire remediation and closure. It further contains your approval notification for closure along with the initial and final NMOCD C-144 Forms.

If you have any questions or desire further information, please do not hesitate to contact us at anytime.

Best regards,

PHOENIX ENVIRONMENTAL, LLC

Allen Hodge
Vice President/Operations

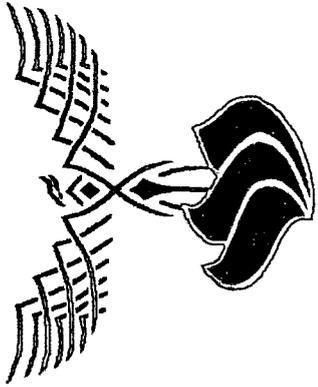
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IMPORTANT NOTICE:

Phoenix Environmental, LLC., with offices at 2113 French Drive, Hobbs, New Mexico 88241 (the Company), has prepared this project report for final closure of the Crawford #26-2 reserve drilling pit, to the best of its ability. No warranty, expressed or implied, is made or intended. The report was prepared for Cimarex Energy Company, with offices at 207 South Mesa, Carlsbad, New Mexico 88220, (the Client). All information disclosed in this plan is for internal purposes only and is considered confidential. By accepting this document, the recipient agrees to keep confidential the information contained herein. The recipient further agrees not to copy, reproduce or distribute to any third party this project plan in whole or in part, without express written permission from the Company or Client.





SECTION I



Final Closure Report

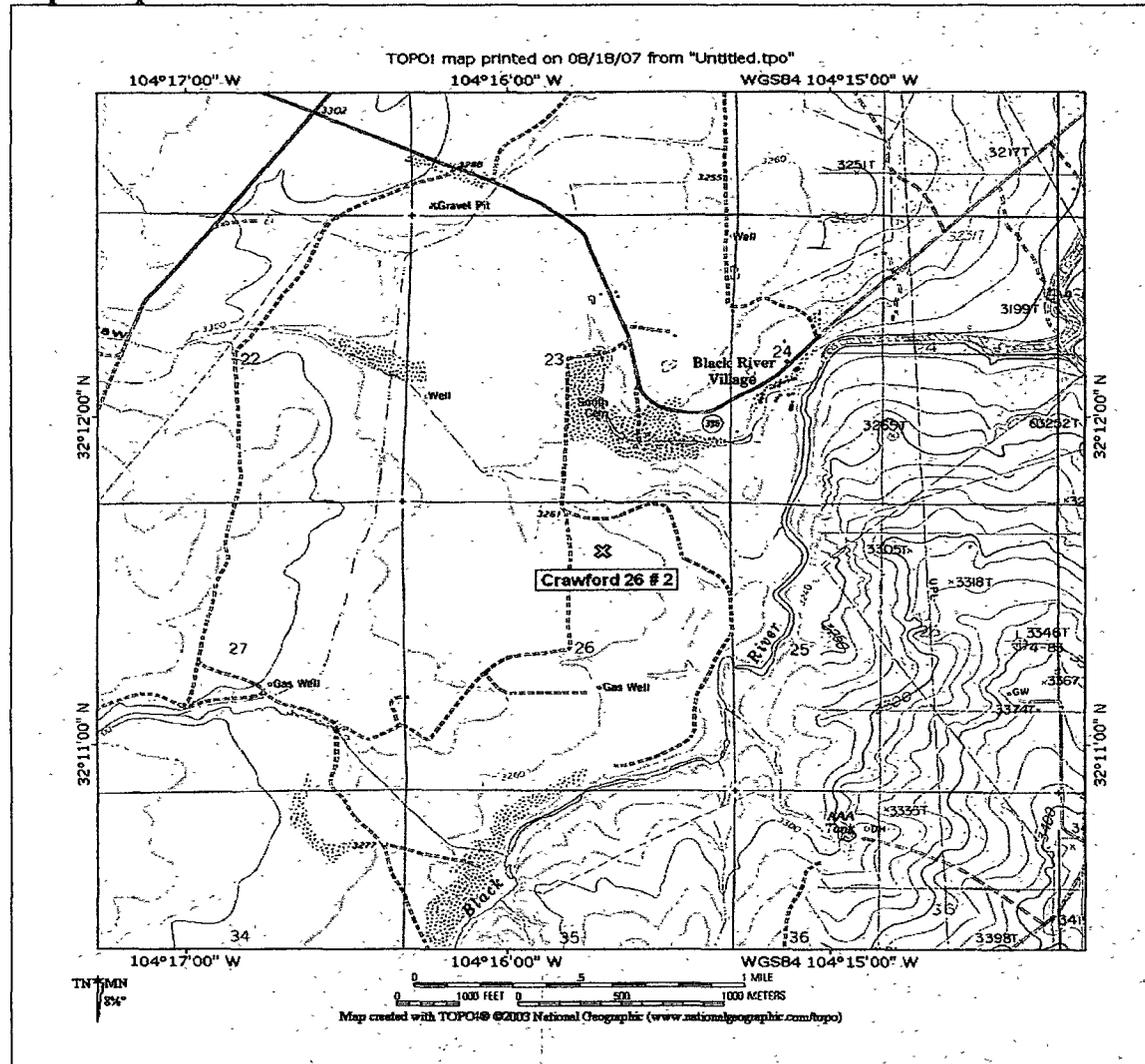
Company: Cimarex Energy Company of Colorado
Location: Crawford #26-2 (OCD Case #2R0059)

Project History

Gruy Petroleum Management Company based out of Irving, Texas completed the Crawford #26-2 well on August 29, 2005. A subsequent NMOCD Form C-103 filed on June 8, 2005 indicated that a reserve drilling pit had not been declared on the location. The property was transferred through normal channels utilizing NMOCD Form C-104B and approved by the NMOCD on May 15, 2006 to Cimarex Energy Company of Colorado; the pit was still open after the transfer.

Cimarex received a Letter of Violation #20623, dated July 24, 2006, violation of Rule 50 and possible Rule 116 violation. The LOV called for corrective action on the pit with a response not later than August 24, 2006. On August 14, 2006, NMOCD form C-144 with attached Closure Plan was submitted to Mr. Mike Bratcher at the Artesia NMOCD.

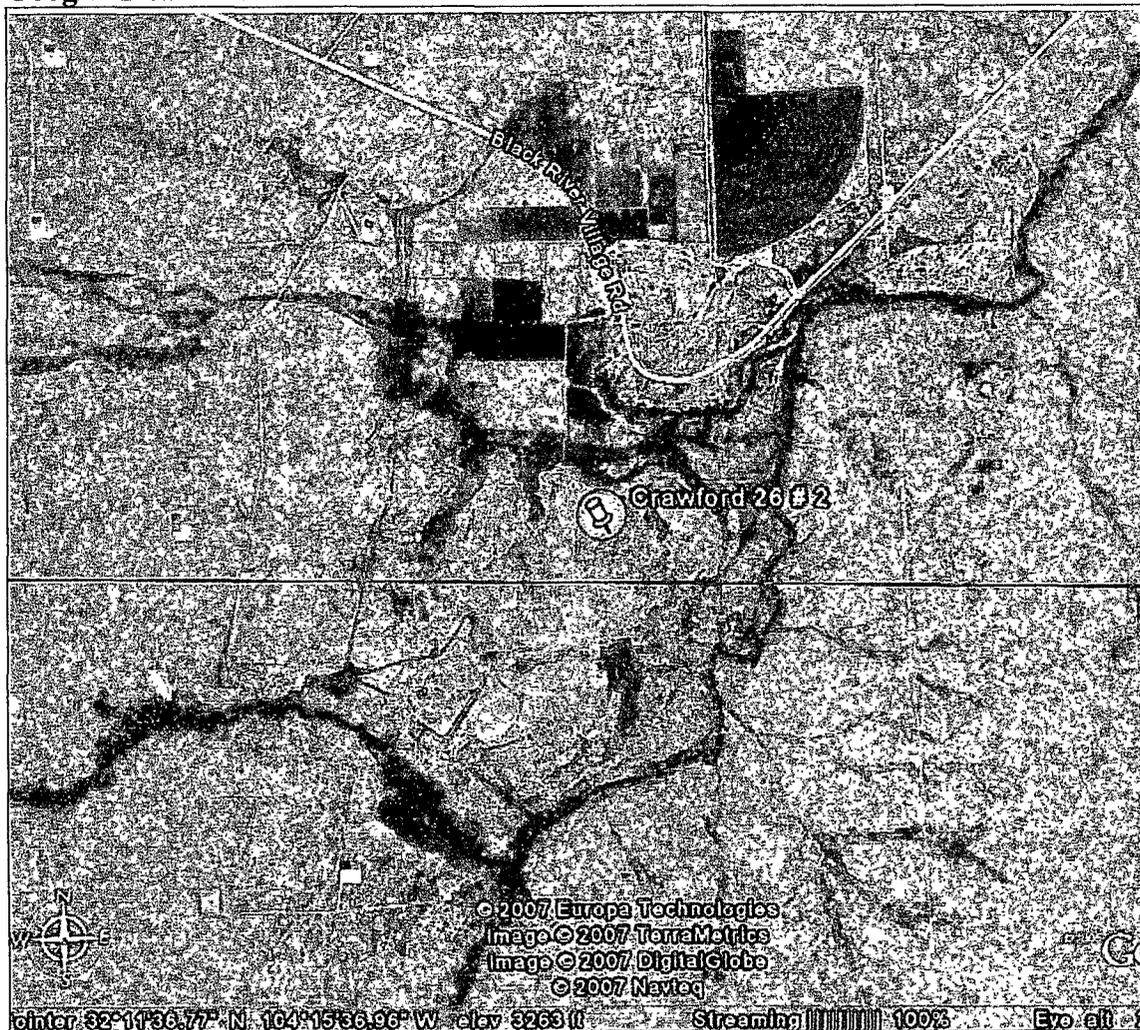
Topo Map #1 - Local Area



Final Closure Report

Company: Cimarex Energy Company of Colorado
Location: Crawford #26-2 (OCD Case #2R0059)

Google Area Photo #1



Project Overview

Initial work on the location was scheduled to begin with notification to the NMOCD on September 24, 2006. The pit dimensions were 135' x 155' x 10' with a 12 mil liner that contained approximately 4,500 to 5,000 cubic yards of material in the pit with 60 to 70% of that volume being wet solids which would have to be stabilized with clean dry soil for transport to CRI, an approved NMOCD disposal facility.

Chronology of Initial Closure

09/25/06 – Equipment was mobilized onto location to begin the closure activities.



Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

09/27/06 – Background samples were taken for analysis by Trace Analysis, Inc. of Lubbock, Texas. Soil stabilization and hauling to CRI was commenced.

09/28/06 – Continued stabilization and hauling.

Table #1 - 09/28/06 – Background Samples Analyses

Trace #	Field Designation	Location and Depth	Chloride (mg/kg)
104521	North	350' from wellhead – 24"	15.7
104522	South	350' from wellhead – 24"	11.3
104523	East	350' from wellhead – 24"	10.3
104524	West	350' from wellhead – 24"	10.0

09/29/06 – Continued stabilization and hauling.

09/30/06 – Continued stabilization and hauling. The pit has now been excavated to 2' below the level of the liner at a total depth of 12' below surface.

10/02/06 – Random field samples taken and screened for chloride content, which indicated that additional soils would have to be removed for disposal. The dirt contractor was instructed to remove another 1' of soil from the bottom of the pit and transported for disposal.

10/03/06 - Additional samples were taken and another 3' of soils were scheduled for excavation and disposal.

10/04/06 - The pit floor is now at 16' with removal of additional 14" of the horseshoe soils removed. Additional field samples were analyzed and the remainder of the horseshoe was removed.

10/05/06 - Continued excavation and transport to disposal facility.

10/06/06 - Continued excavation and transport to disposal facility.

10/07/06 - Continued excavation and transport to disposal facility.

10/09/06 - Continued excavation and transport to disposal facility.

10/10/06 - Finished removing remainder of horseshoe and began squaring up the side of the pit and continued transporting contaminated soils to disposal.



Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

10/11/06 - Additional samples taken and transit was used to measure depth of pit.

Northwest corner: 14' 5"

Northeast corner: 16' 5"

Southwest corner: 12' 5"

Southeast corner: 16' 5"

Center: 16' 5"

Contractor was instructed to remove additional soils from the pit walls.

10/13/06 - Samples taken and screening revealed additional wall soils needed to be removed.

10/14/06 - Continued excavating and transporting soils for disposal.

10/16/06 - Continued excavating and transporting soils for disposal.

10/17/06 and 10/18/06 – Rain event caused delay of grid placement for soil samples for third party laboratory verification.

10/19/06 - Grid was laid out for verification laboratory sampling. NMOCD was notified of sampling intent for 10/20/06.

10/20/06 - A total of 78 samples were taken from the pit and 2 water samples from the Black River and sent to Trace Analysis, Inc. for analysis. Chlorides, BTEX, TPH (GOR & DOR) was requested on the samples. To Date: 11,350 cubic yards of contaminated soils were transported to CRI for disposal.

Table #2 – Trace Analysis River Water Sample Results

Trace #	Description	Matrix	Chloride (mg/L)
10645	River #1	Water	18.2
10646	River #2	Water	18.0



Final Closure Report

Company: Cimarex Energy Company of Colorado
 Location: Crawford #26-2 (OCD Case #2R0059)

Table #3 - Trace Analysis – Soil Chloride Results Indicated on Sampling Grid

← 155' →														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
A		45			4.56			B		719		1430		
		8	10	11	12	13	14			8	9	10	11	12
15	16	17	18	19	20	21	15	16	17	18	19	20	21	
				28.6						3540				
22	23	24	25	26	27	28	22	23	24	25	26	27	28	
	9.52	12.8					10400		8620		2310			
29	30	31	32	33	34	35	29	30	31	32	33	34	35	
17		455			10300					4820		442		
36	37	38	39	40	41	42	36	37	38	39	40	41	42	
			7100				12600	6620			191			
1	2	3	4	5	6	7	1	2	3	4	5	6	7	
C							D							
		8	9	10	11	12			13	14	8	9	10	11
15	16	17	18	19	20	21	15	16	17	18	19	20	21	
		1070	3090	5740	7660						17.4		12.3	
22	23	24	25	26	27	28	22	23	24	25	26	27	28	
	1310		5530	4930	12600	4660	4510		11300		581		765	
29	30	31	32	33	34	35	29	30	31	32	33	34	35	
	2910					3700		4080					810	
36	37	38	39	40	41	42	36	37	38	39	40	41	42	
	2910										12			

Drilling Pit Floor Is Approximately 155' x 135' x 16' Deep (Squares – Approx 11' x 11')

10/30/06 - Representatives for Cimarex and Mike Bratcher (NMOCD) met at the pit to discuss sampling results and options for closure. It was determined to drill a 30' hole outside of the pit for lithology directly outside the pit.

10/31/06 - Drilled a 30' test hole. Representative samples were taken at each 1' interval and sent for analysis. Hole left open to check for water intrusion.



Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

Table #4 – Bore Hole Soil Lithology

Bore Hole Depth	Lithology Description
0 – 5'	SOIL LTRD TN CRM VFXLN – CALCARIOUS MARL – NO VIS CARB OR ORGANIC MATERIL SM SILTY SUBRNDD QTZ SM IMBDD ANHY INCLSN
5 – 10'	SOIL CRM LTN VFXLN MARL – STRONG ACID REACT TN AMORPH CLAR RESIDUE – SM SILTY / SD SIZE ANHY CLAST SM AS INCLSN DRY WHEN COLLECTED – SFT SLICK MUSHY TACKY WHEN MOISTENED – NO VIS ORGANIC ALOCHEM
10 – 15'	SOIL TN LTGYTN CRM VFG – CALCAREIOUS MARL SM ANHYDRC – SM W/GYP INCL – DRY WHEN COLLECTED – STRONG REACTION TO ACID GYP & GELLATNOUS CLARY RESIDUE – NO VIS ORGANIC ALLOCHEM - POWDERY
15 – 20'	SOIL A/A CLAY LTTN OFFWH LTGY – AMORPH ANHYDRC CALC IP SLIGHTLY MOIST @ COLLECTION
20 – 25'	CLAY LTGYTN CRM OFFWH – SFT PLASTIC NON REACT TO ACID – SM ANHY INCLS DEFORMS WELL
25 – 30'	SOIL A/A ABNT SML ANHY – GLASSY PARTICALS SM AS INCLSN DRY WHEN SAMPLED SOIL LTGYTN CLAY SM ANHYDRN IP PLASTIC CALCARIOUS IP PLASTIC TD NOTE NO FLUID INTRY AFTER 24 HOURS

11/01/06 - No water intrusion was observed.

11/06/06 - Results of bore testing received and NMOCD requested two more bore holes being drilled in the pit to 4' below floor and samples to be taken at each 1' interval for analysis.

11/08/06 - NMOCD informed of soil sample results and per NMOCD bore holes were deepened to 30' below surface level with samples taken at 1' intervals for analysis.

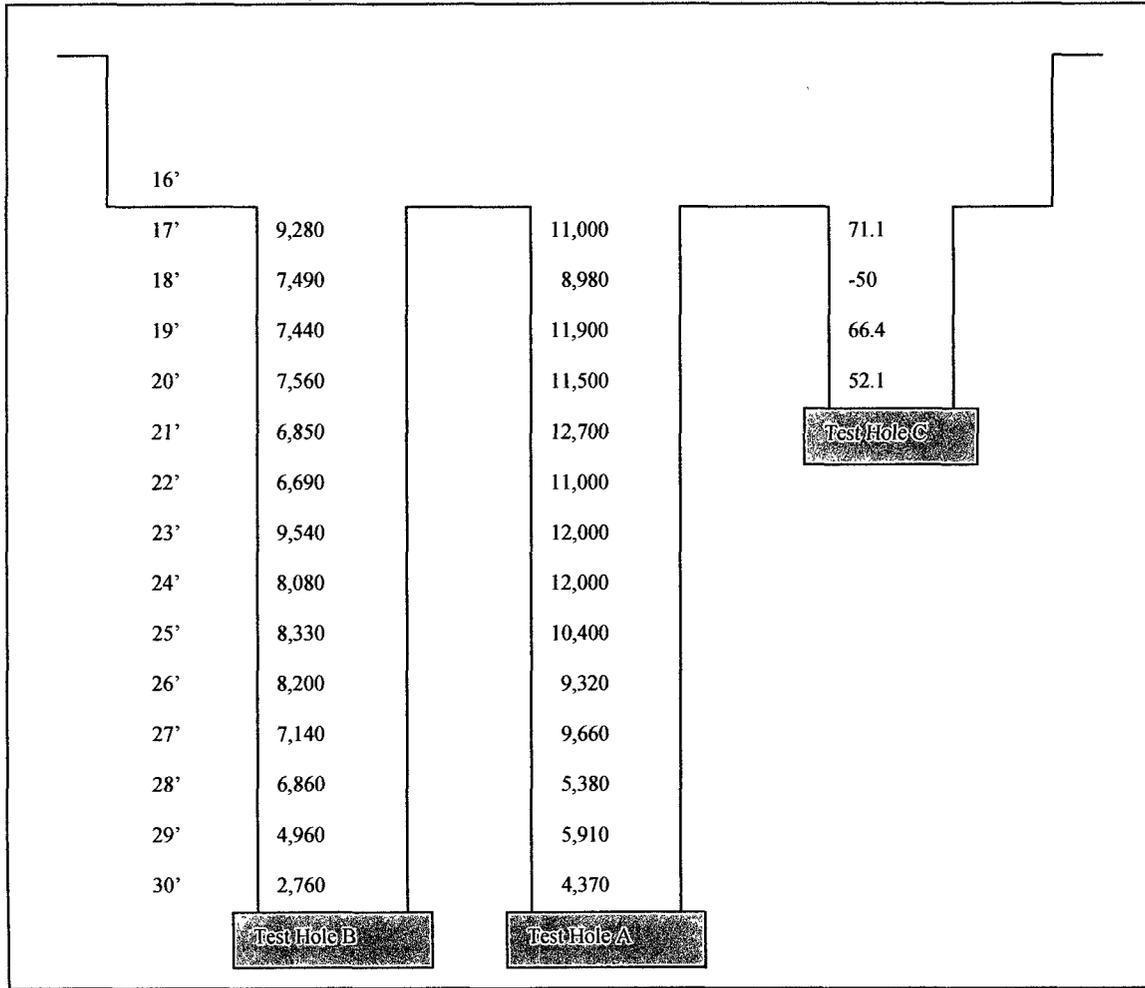


Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

Table #5 – Trace Analysis Bore Hole Results (Please refer to Table #2 for locations)



11/09/06 - With assistance from BBC International as instructed, samples were taken and delivered to Trace Analysis, Inc. for analysis.

Table #6 - 11/20/06 – Trace Analysis Bore Hole Chloride Leachability

Trace #	Field Code and Depth	Total Cl- (mg/kg)	SPLP (mg/L)	% Leachable
108545	1A-21'	12,700	1,330	10
108550	6A-26'	9,320	873	9
108554	10A-30'	4,370	488	11
108555	1B-21'	6,850	695	10
108560	6B-26'	8,200	783	10
108564	10B-30'	2,760	342	12

11/21/06 - Dorsey Rogers (Cimarex Representative) met with Mike Bratcher (NMOCD) to layout the proposal to close the pit per NMOCD Rule 50.



Final Closure Report

Company: Cimarex Energy Company of Colorado
 Location: Crawford #26-2 (OCD Case #2R0059)

The NMOCD out of Santa Fe replied back that the pit needed to be delineated to 250 mg/ml for chlorides, the contaminant of concern since hydrocarbons were nil at this stage of the excavation. Cimarex Energy decided to adjudicate this pit and meet with the NMOCD in Santa Fe to present the facts regarding this pit and present a proposal to close in accordance to the NMOCD Pit Rule 50.

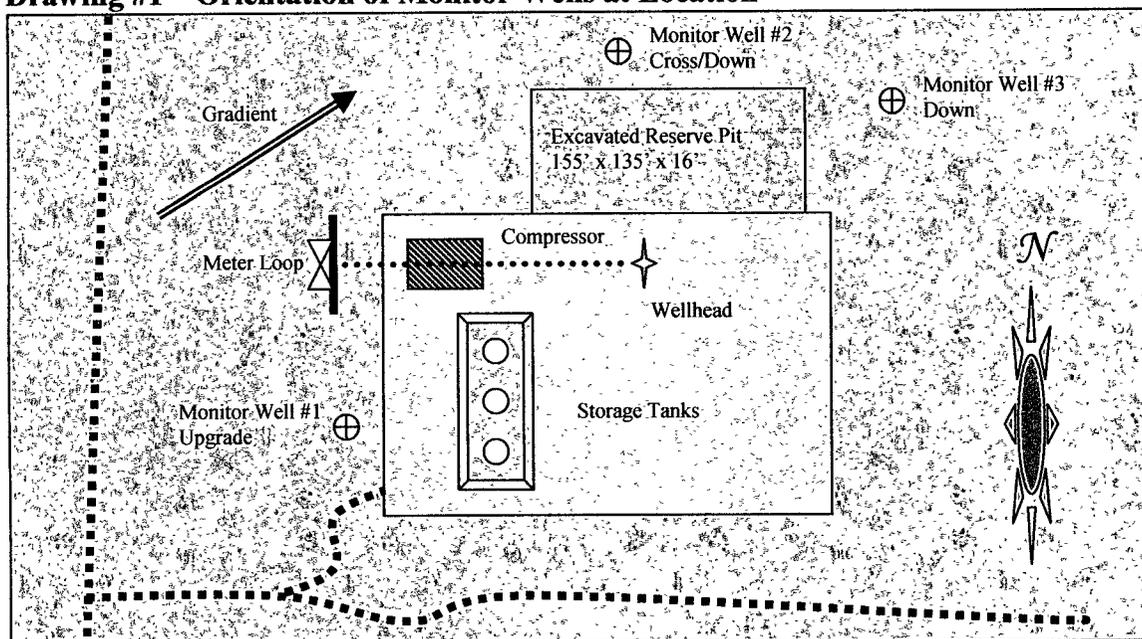
In early April 2007, a meeting was convened in at the NMOCD in Santa Fe with Technical Staff and Mr. Wayne Price. Members from Cimarex and Phoenix Environmental were in attendance where supporting data was supplied on the progress to date and to determine any further actions needed implement the Crawford #26-2 pit closure. It was determined at that meeting that three monitor wells would have to be installed around the pit to determine if any primary environmental impact had occurred at the site to prevailing groundwater.

On April 26, 2007 Cimarex contracted John White Environmental to drill monitor wells to water level being spotted by Allen Hodge of Phoenix Environmental.

Table #7 – Monitor Well Positioning

Boring #	X:Coordinate	Y:Coordinate	Depth to H ₂ O	Total Depth	Position
1	433881.3 N	522313.3 E	22.0 Feet	40.0 Feet	Upgrade
2	433861.3 N	522313.3 E	18.0 Feet	40.0 Feet	Cross/Down
3	433881.3 N	522313.3 E	19.0 Feet	40.0 Feet	Down

Drawing #1 – Orientation of Monitor Wells at Location



Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

Field samples of waters were taken after well completion, following EPA SWA-846 sampling protocol. Disposable bailers were purged and rinsed with de-ionized water and lowered to below the water level. Samples were taken in preserved bottles and iced to transport to Trace Analysis Laboratory in Lubbock, Texas. Proper sample custody documents were attached with the samples and custody transferred to lab personnel by courier. Measurement were recorded by lab technicians and copies of results forwarded to Cimarex as well as NMOCD.

Table #8– Trace Analysis Monitor Well Chloride Results

Boring #	Location	Chloride (mg/L)
1	Upgrade	13.3
2	Cross/Down	14.2
3	Down	45.5

On June 7, 2007, a meeting was scheduled in Santa Fe at the NMOCD with Mr. Wayne Price with members from Cimarex and Phoenix Environmental to submit a Closure Work Plan for the Crawford #26-2 (OCD Case #2R0059). Mr. Price approved the closure utilizing a subsurface liner to mitigate chloride contamination to groundwater.

Chronology of Final Closure

- 06/25/07 - NMOCD District Office was notified and Phoenix mobilized onto site and began building a crown in the pit with clean soils for placement of the subsurface liner.
- 06/26/07 - Finished crowning procedure in the bottom of the pit and pushed up backfill for the pit closure.
- 06/27/07 - Installed subsurface liner in the bottom of the pit over the crown with a 20 mil Reinforced HDPE Geomembrane liner which was trench anchored on the outside edge of the excavated pit to encourage shedding of any hydrostatic water permeating down to the liner to the outside of the affected area. Put a foot of clean soil over the liner and hauled in 34 loads of clean backfill material.
- 06/28/07 - Pushed up backfill and backfilled clean soils into the reserve drilling pit.
- 06/29/07 - Hauled in 37 loads of clean backfill and continued backfilling reserve drilling pit.



Final Closure Report

Company: Cimarex Energy Company of Colorado

Location: Crawford #26-2 (OCD Case #2R0059)

- 07/02/07 - Hauled in 65 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/03/07 - Hauled in 69 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/05/07 - Continued pushing up backfill and hauled in 102 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/09/07 - Continued pushing up backfill and hauled in 91 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/10/07 - Pushed up backfill and hauled in and hauled in 74 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/11/07 - Pushed up backfill and backfilled reserve drilling pit.
- 07/12/07 - Continued pushing up backfill and hauled in 120 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/13/07 - Pushed in stockpiled backfill material in reserve drilling pit.
- 07/23/07 - Hauled in 84 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/24/07 - Hauled in 105 loads of clean backfill and continued backfilling reserve drilling pit.
- 07/25/07 - Hauled in 88 loads of clean backfill and continued backfilling reserve drilling pit and began dressing the location with a slight crown on the surface to impede any ponding problems due to rain.
- 07/26/07 - Finished dressing the location and prepped for reseeded of indigenous grasses over the location.

Summary and Conclusions

Cimarex excavated approximately 12,500 cubic yards of soils and reserve drilling pit contents and disposed of the soils and contents at Control Recovery, Inc. (CRI), an approved NMOCD facility. Due to the close proximity to ground water and surface water (Black River) the location of the pit is in a sensitive area. A breach was found in the liner of the pit, which explains the voluminous amount of chloride contaminated material that had to be excavated for disposal.



Final Closure Report

Company: Cimarex Energy Company of Colorado
Location: Crawford #26-2 (OCD Case #2R0059)

The pit was excavated to a depth of 16 +/- from ground level removing the source of the chloride contamination. Cimarex ran standard lechate tests on these soils to verify the theory that any further migration of chlorides or any appreciable concentration of chlorides to leach to fresh water was improbable due to this removal of source materials and composition of insitu soils.

As directed by the NMOCD, Cimarex installed three monitor wells to verify that area groundwater had not be impacted and the pit closure could proceed with the installation of a 20 mil subsurface liner at the bottom of the excavation. Phoenix Environmental completed the closure and installed the industry standard liner to alleviate any secondary environmental impact to groundwater.

Limitations

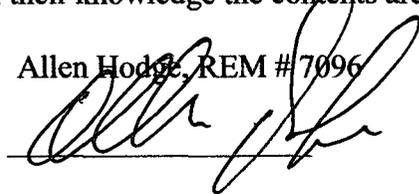
Phoenix Environmental LLC has prepared this report to the best of its ability. No other warranty expressed, implied or intended is made.

This report has been prepared for Cimarex Energy Company of Colorado our client. The information contained in this report including all exhibits and attachments, may not be used by any other party without the express consent from Phoenix Environmental LLC and/or the client.

Certification

The following Phoenix/Cimarex personnel have reviewed this report and verify that to the best of their knowledge the contents are true and correct.

Name: Allen Hodge, REM #7096

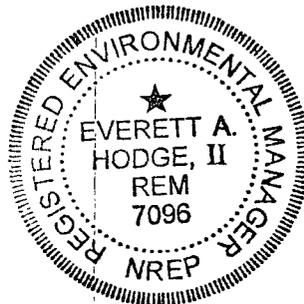
Signature: 

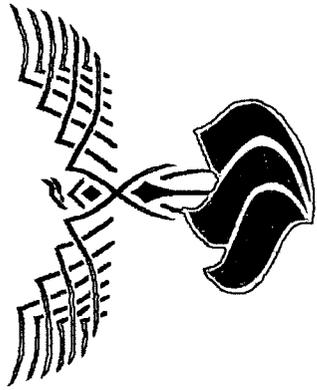
Title: VP Operations
Phoenix Environmental LLC

Name: Dorsey Rogers

Signature: 

Title: Drilling Superintendent
Cimarex Energy Company of Colorado





SECTION II



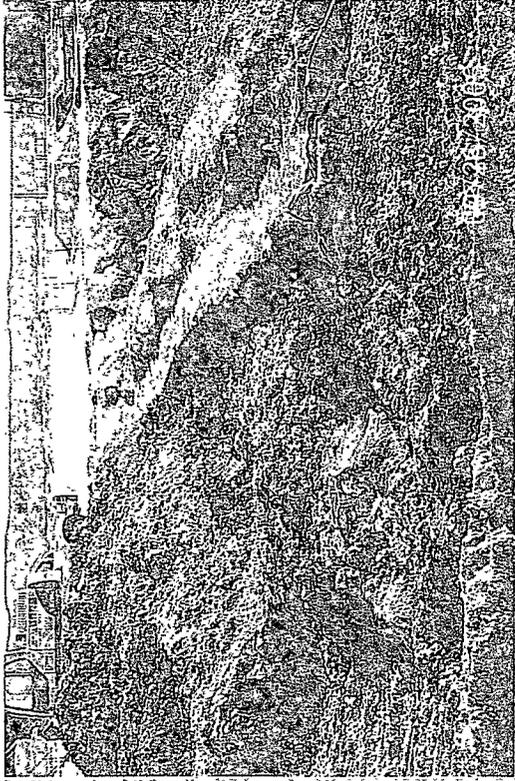


Photo #3 – Blending Soils With Wet Contents

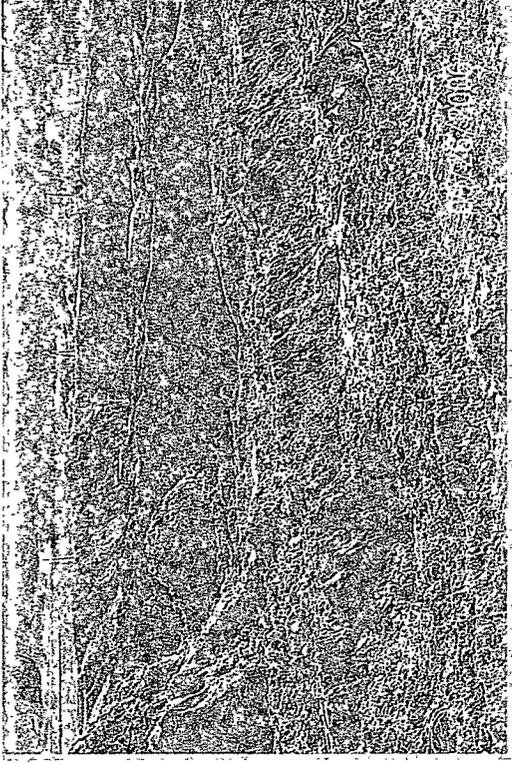


Photo #4 – Blending Soils with Wet Contents

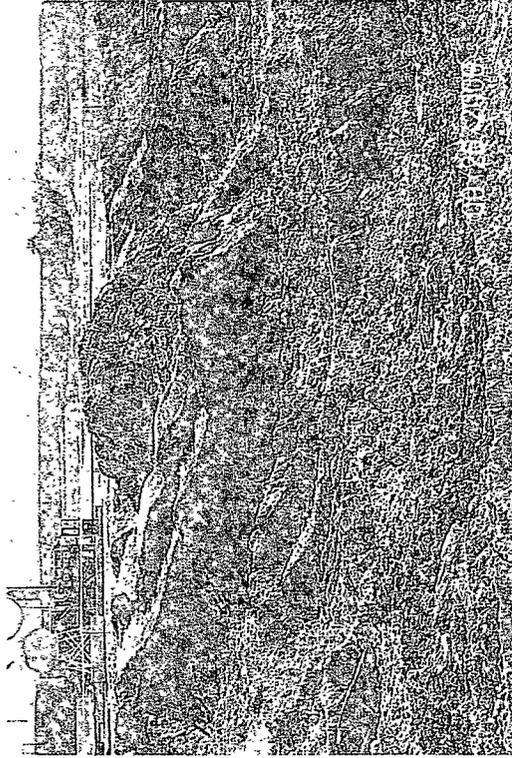


Photo #1 – Reserve Drilling Pit (Contents)

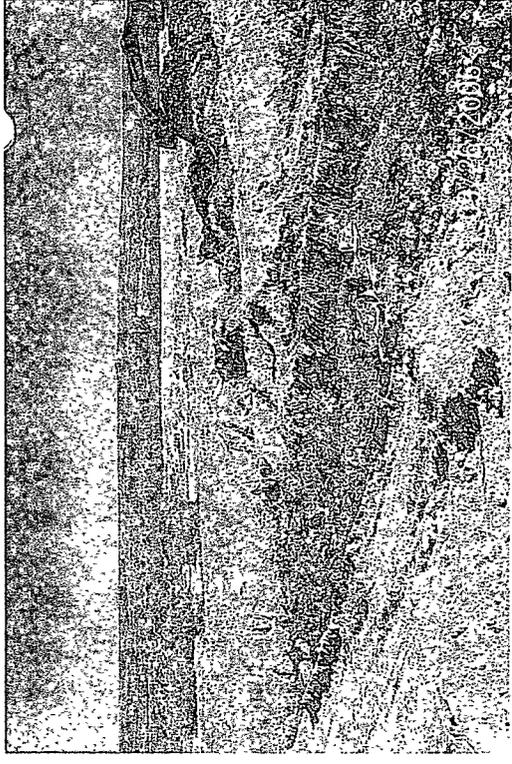


Photo #2 – Reserve Drilling Pit (Contents)



Photo #7 - Blending Contents and Excavating

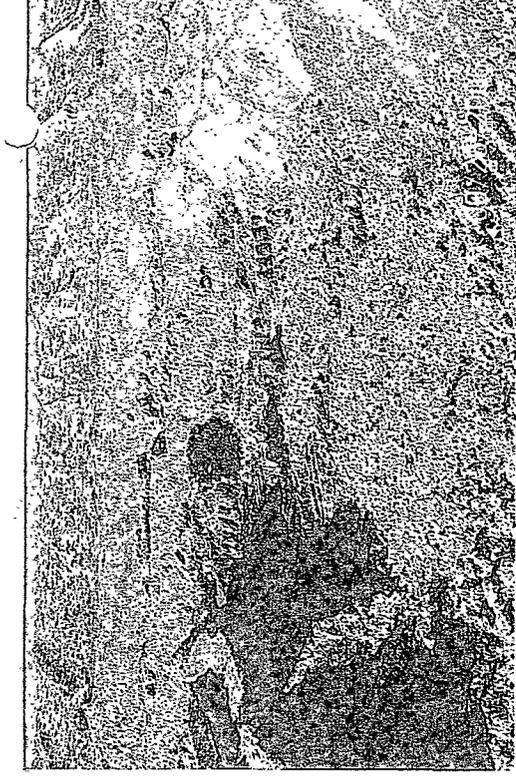


Photo #8 - Blending Contents and Excavating



Photo #5 - Blending Contents

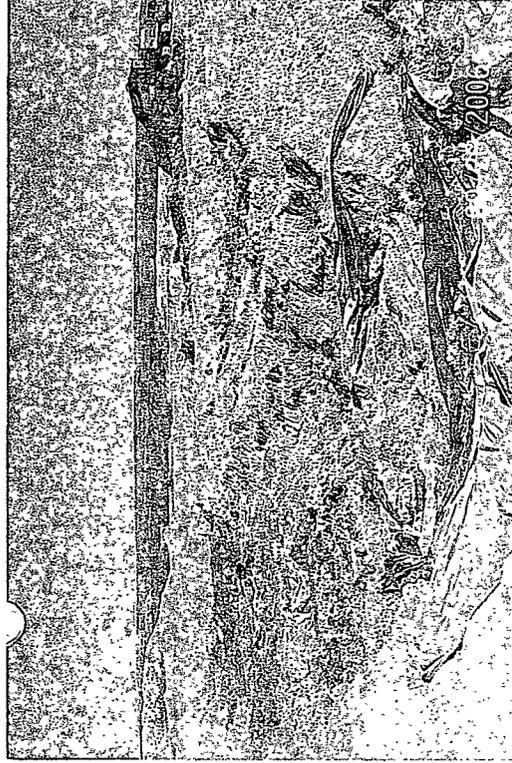


Photo #6 - Blending Contents





Photo #11 - Excavating

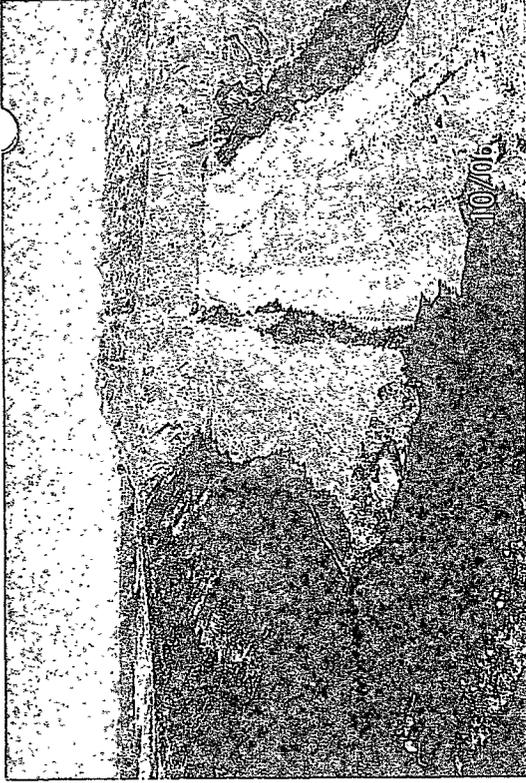


Photo #12 - Excavating



Photo #9 Blending Contents With Soils



Photo #10 View of Horseshoe





Photo #16 - Excavating

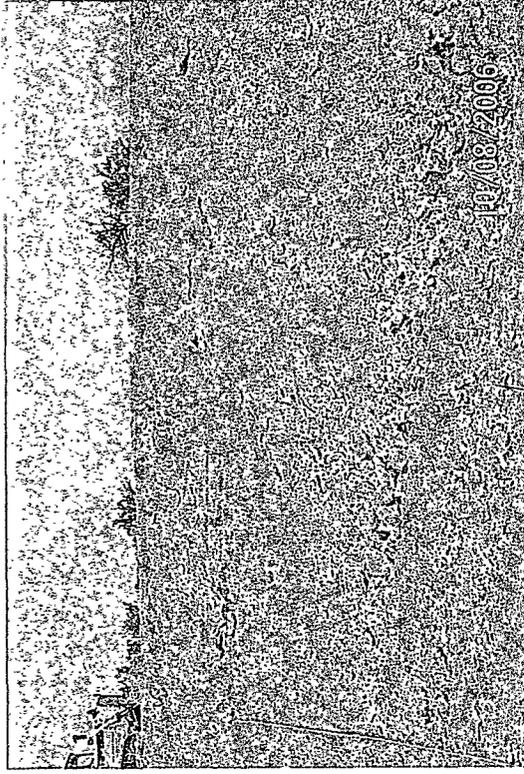


Photo #14 - Excavating

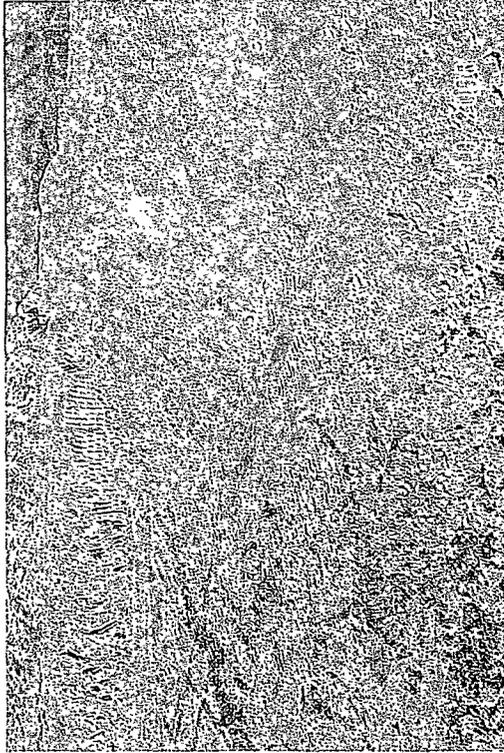


Photo #15 - Excavating



Photo #13 - Excavating



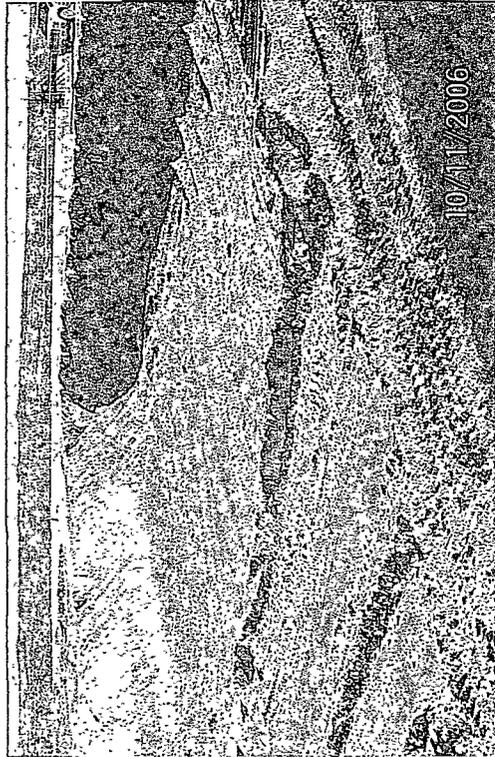


Photo #19 - Excavating

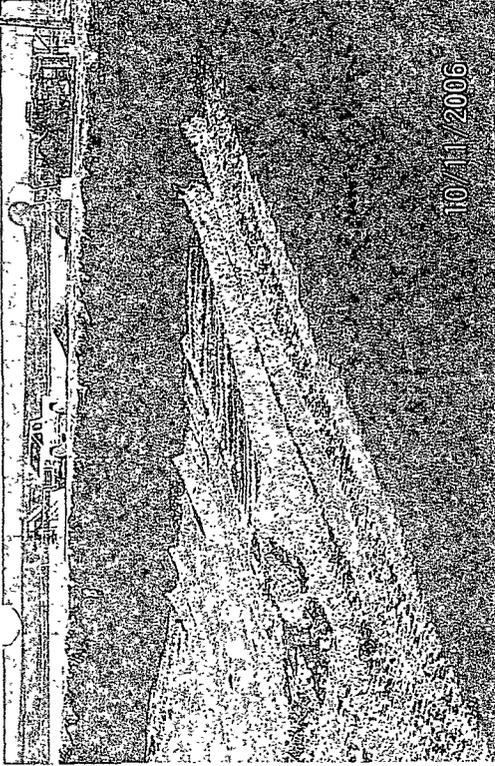


Photo #20 - Excavating



Photo #17 - Excavating



Photo #18 - Excavating



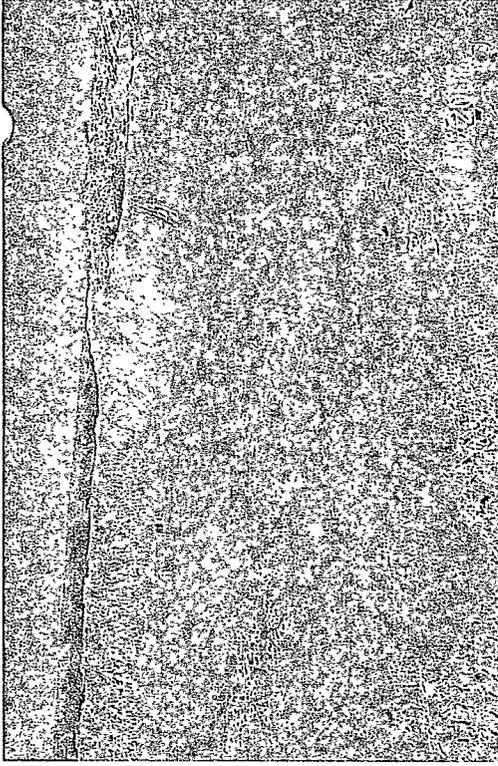


Photo #24 – Laying Out Sampling Grid



Photo #22 – Laying Out Sampling Grid

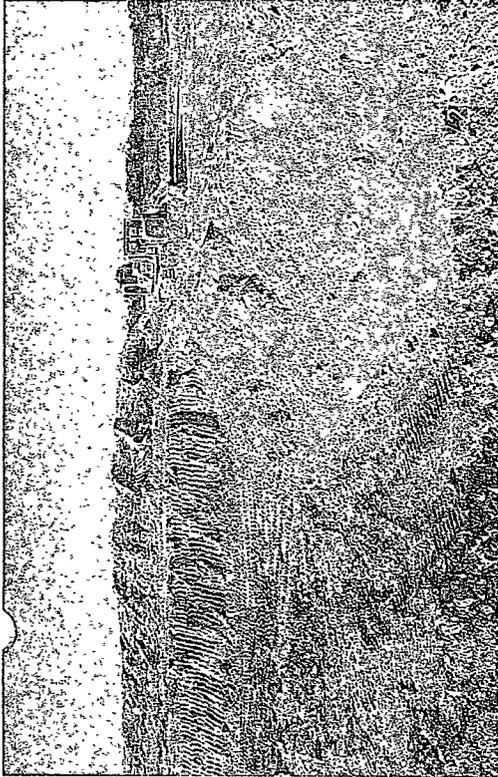


Photo #23 – Excavation

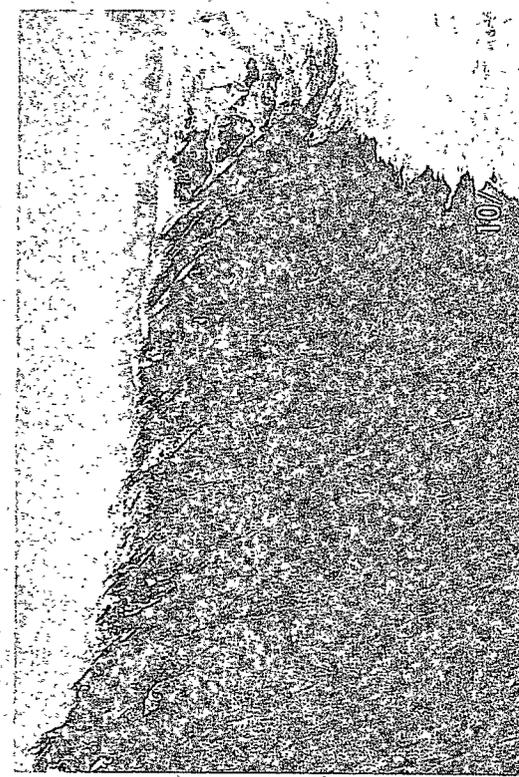


Photo #21 – Laying Out Sampling Grid



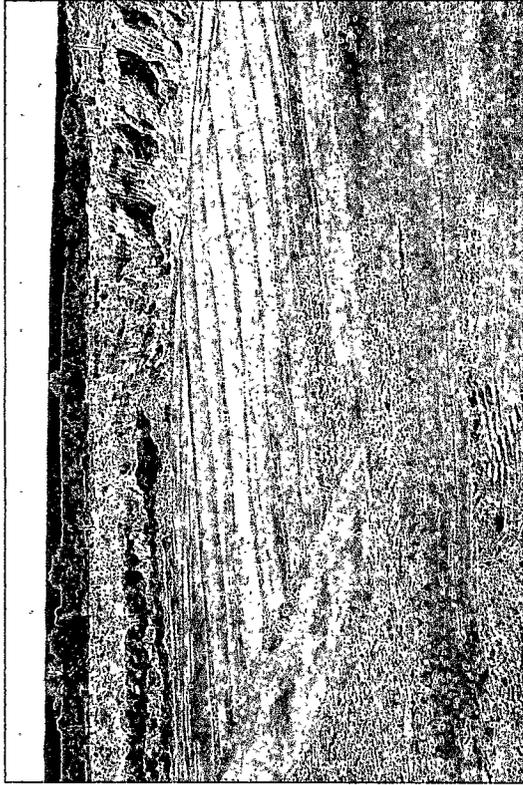


Photo #27 – Building Bottom Crown For Liner



Photo #28 – Building Bottom Crown For Liner



Photo #25 – Building Bottom Crown For Liner



Photo #26 – Building Bottom Crown For Liner





Photo #31 – Installing Liner Over Crown



Photo #32 – Installing Liner Over Crown



Photo #29 – Installing Liner Over Crown

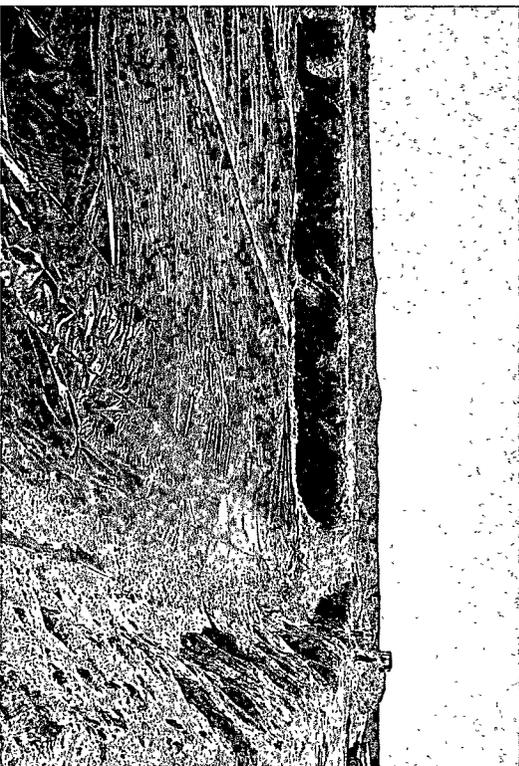


Photo #30 – Installing Liner Over Crown





Photo #36 - Backfilling

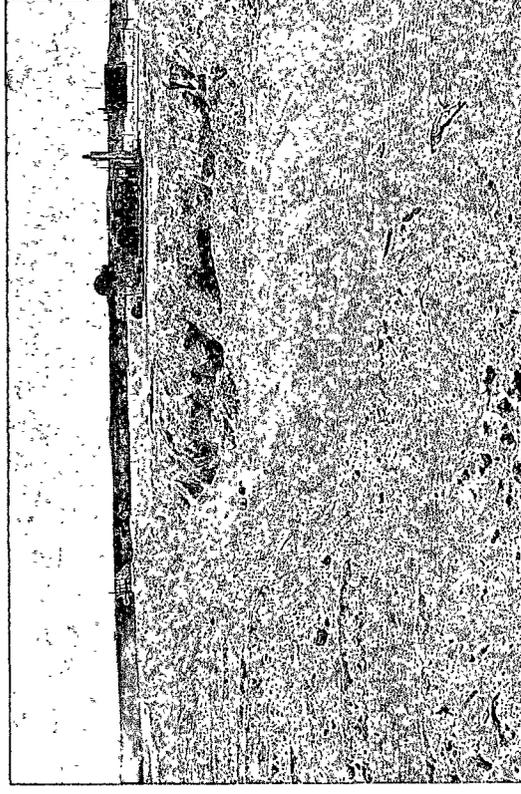


Photo #34 - Backfilling Over Liner Crown



Photo #35 - Backfilling Over Liner Crown



Photo #33 - Backfilling Over Liner Crown





Photo #39 – Dressing Location



Photo #40 – Dressing Location

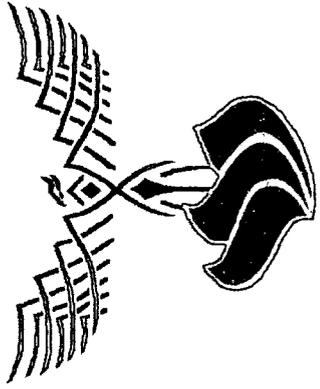


Photo #37 – Dressing Location



Photo #38 – Dressing Location





SECTION III



Allen Hodge

From: "Price, Wayne, EMNRD" <wayne.price@state.nm.us>
To: <dorseyrogers@aol.com>
Cc: <eahodge@leaco.net>; "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>
Sent: Thursday, June 07, 2007 2:15 PM
Subject: Cimarex Crawford #26-2 OCD case # 2R0059

Dear Mr. Rogers:

OCD is in receipt of the closure work plan for the above subject facility and hereby approves of the plan with the following conditions:

1. Notify the OCD District office of significant activities.
2. Submit a final closure report with photo for OCD approval.
3. Please use the OCD case # 2R0059 on all correspondence and include this approval in the final report.

Please be advised that OCD approval of this plan does not relieve the owner/operator of responsibility should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

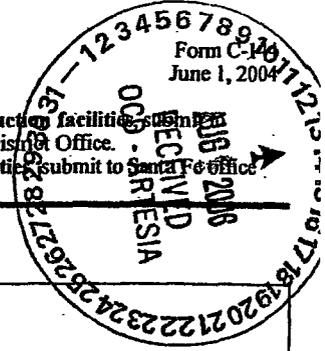
Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. --
This email has been scanned by the Sybari - Antigen Email System.

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.



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 X

Operator: Cimarex Energy Co. Telephone: 432-682-4429 e-mail address: kemm@naguss.com

Address: 7101 Norris Road, Carlsbad, NM 88220

Facility or well name: Crawford 26 No. 2 API #: 30-015-33228 U/L or Qtr/Qt Lot B Sec 26 T24S R26E 990'FNL and 1980' FEL

County: Eddy Latitude N Longitude W NAD: 1927 1983

Surface Owner: Federal State X Private Indian

Pit	Below-grade tank N/A	
Type: Drilling X Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/>	Volume: N/A bbl Type of fluid: N/A	
Lined X Unlined <input type="checkbox"/>	Construction material: N/A	
Liner type: Synthetic X Thickness: 12ml HDPE liner Clay <input type="checkbox"/>	Double-walled, with leak detection? <input type="checkbox"/> If not, explain why not.	
Pit Volume: 2400 bbl. Approximately		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of groundwater.) High water elevation of groundwater range to approximately 20'.	Less than 50 feet (20 points) 20 pts. 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 X No	(20 points) 20 pts. (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) 20 pts. 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)	
	Ranking Score (Total Points)	60 pts.

this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks(submitted with Closure Report). Digital Photos shall be submitted for before and after remediation activity. (2) Indicate disposal location: Lea Land, Inc. offsite X If offsite, name of facility: Lea Land, Inc. (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: Please refer to the attached letter for detailed "Closure Plan" information and LOV 20623. Digital photos and sample location diagram shall be submitted in final closure documents.

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 X, a general permit , or an (attached) alternative OCD-approved plan .

Date: 14 August 2006

Printed Name/Title Dorsey Rogers, Drilling Superintendent

Signature *Dorsey Rogers by C. Hindler*

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 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 *Nike Kratcher*

ASXTH

Signature *Nike Kratcher*

Date: *8/14/06*

Bratcher, Mike, EMNRD

From: Price, Wayne, EMNRD
Sent: Thursday, June 07, 2007 2:15 PM
To: dorseyrogers@aol.com
Cc: eahodge@leaco.net; Bratcher, Mike, EMNRD
Subject: Cimarex Crawford #26-2 OCD case # 2R0059

Dear Mr. Rogers:

OCD is in receipt of the closure work plan for the above subject facility and hereby approves of the plan with the following conditions:

1. Notify the OCD District office of significant activities.
2. Submit a final closure report with photo for OCD approval.
3. Please use the OCD case # 2R0059 on all correspondence and include this approval in the final report.

Please be advised that OCD approval of this plan does not relieve the owner/operator of responsibility should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.



Cimarex Energy Co. of Colorado

Drilling Department

Dorsey Rogers

207 South Mesa

Carlsbad, New Mexico 88220

505 200 6105

A wholly-owned subsidiary of Cimarex Energy Co., a NYSE Listed Company, "XEC"

Mr. Mike Bratcher

New Mexico Oil Conservation Division

District 2

1301 W. Grand Avenue

Artesia, New Mexico 88210

Re: Cimarex Energy

Crawford # 26-2

API: 30-015-33228

Sec. 26 24S 26E

Eddy Co. New Mexico

Dear Mr. Bratcher:

The following is a report of testing to verify the ground water quality after drilling three (3) monitor wells around the pit excavation the above well.

To review; Cimarex has excavated a total of 12,500 yd³ of soils and pit (drilled solids) contents after field and lab testing verified that the liner had breached. Chloride ions (Cl⁻) had in fact leached below the liner depth of 10 feet from ground level. Cimarex has excavated to a pit depth of 16 feet +/- from ground level in an area of approximately 200 feet². After removing the source materials we still had chloride residuals that exceeded the 250 mg/l limit as requested by NMOCD. Cimarex ran standard lechate tests on these soils to verify the theory that any further migration of chlorides or any appreciable concentrations of chlorides to leach to fresh water was improbable due to the removal of source materials and composition of in situ soils. A meeting with Wayne Price and Technical staff in Santa Fe followed, where Cimarex presented supporting data. The general consensus of this group was that Cimarex needed to verify the water quality by boring to the water level and measuring the chloride levels in place before closure.

On April 26, 2007 Cimarex contracted John White Environmental to spot and drill monitor wells to water level. The following is an outline of these borings and location. 1

Boring No.	X Coordinate	Y Coordinate	Depth of H2O	Total Depth	Position
1	433881.3 N	522313.3 E	-22.0 Feet	-40.00 Feet	Upgrade
2	433861.3 N	522313.3 E	-18.0 Feet	-40.00 Feet	Cross
3	433881.3N	522313.3 E	-19.0 Feet	-40.00 Feet	Down

1 Note: Attachment of Drilling log and litho logy per John White Environmental Co.

Sampling

Field samples of waters were taken on April 25, 2007, following EPA SWA- 846 sampling protocol. Disposable bailers were purged and rinsed with de-ionized water and lowered to below the water level. Samples were taken in preserved bottles and iced to transport to Trace Analysis laboratory at Lubbock, Texas. Proper sample custody documents were attached with the samples and custody transferred to lab personnel by courier.

Measurements were recorded by lab technicians and copies of results forwarded to Cimarex as well as NMOCD. 2

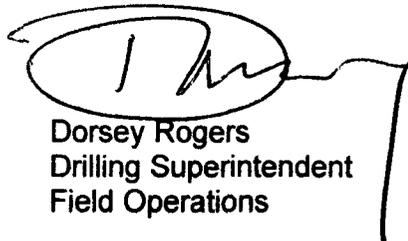
Summary:

Samples were recorded as follows: **Upgrade; 13.3 mg/l as Cl-, Downgrade 45.5 mg/l as Cl-, and 14.2 mg/l as Cl- Up and cross section.** These numbers are well below background levels of soils and water in Black River. It is apparent that no contamination has occurred to the ground water.

Closure Request

Based on the supporting data:

- All cuttings as source and soils have been removed to a depth of -16' GL.
- Groundwater has not been affected.
- It is respectfully requested that NMOCD permit the closure of this pit and excavation.
- Cimarex proposes that a 20 mil liner be installed over the floor of the excavation and that clean fill dirt be hauled to level the excavation to within 3.5 feet of ground level. The original topsoil is in place and will be used to cover, contour the surrounding soils and re seed with native grasses.



Dorsey Rogers
Drilling Superintendent
Field Operations

CC: Roger Bureau
Douglas Park
Dee Smith
Wayne Price
Tim Gumm

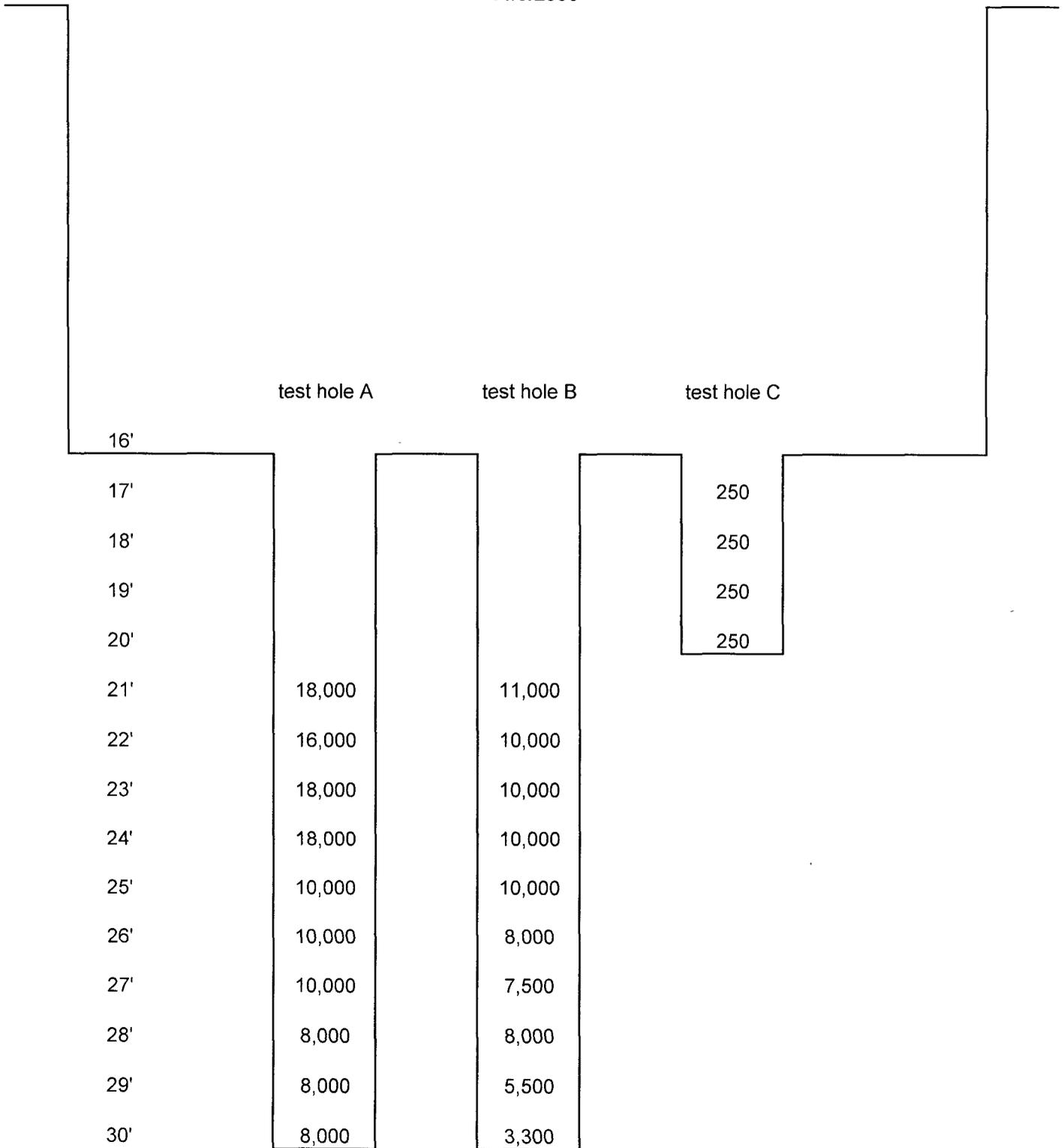
**Crawford 26 Fed #2
Drilling Pit
Trace Analysis Lab Results
11/9/2006**

	test hole A	test hole B	test hole C
16'			
17'	11,000	9,280	71.1
18'	8,980	7,490	-50
19'	11,900	7,440	66.4
20'	11,500	7,560	52.1
21'	12,700	6,850	
22'	11,000	6,690	
23'	12,000	9,540	
24'	12,000	8,040	
25'	10,400	8,330	
26'	9,320	8,200	
27'	9,660	7,140	
28'	5,380	6,860	
29'	5,910	4,960	
30'	4,370	2,760	

**Crawford 26 Fed #2
Drilling Pit
Trace Analysis Lab Results
11/9/2006**

	test hole A	test hole B	test hole C
16'			
17'			71.1
18'			-50
19'			66.4
20'			52.1
21'	12,700	6,850	
22'	11,000	6,690	
23'	12,000	9,540	
24'	12,000	8,040	
25'	10,400	8,330	
26'	9,320	8,200	
27'	9,660	7,140	
28'	5,380	6,860	
29'	5,910	4,960	
30'	4,370	2,760	

**Crawford 26 Fed #2
Drilling Pit
BBC International Field Sample Numbers
11/9/2006**



Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 6, 2006

Work Order: 6110608



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County, Nm

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
107882	1A	soil	2006-11-01	13:30	2006-11-06
107883	2A	soil	2006-11-01	13:35	2006-11-06
107884	3A	soil	2006-11-01	13:40	2006-11-06
107885	4A	soil	2006-11-01	13:45	2006-11-06
107886	1B	soil	2006-11-01	13:50	2006-11-06
107887	2B	soil	2006-11-01	13:55	2006-11-06
107888	3B	soil	2006-11-01	14:00	2006-11-06
107889	4B	soil	2006-11-01	14:05	2006-11-06

Sample: 107882 - 1A

Param	Flag	Result	Units	RL
Chloride		11000	mg/Kg	2.00

Sample: 107883 - 2A

Param	Flag	Result	Units	RL
Chloride		8980	mg/Kg	2.00

Sample: 107884 - 3A

Param	Flag	Result	Units	RL
Chloride		11900	mg/Kg	2.00

Sample: 107885 - 4A

Param	Flag	Result	Units	RL
Chloride		11500	mg/Kg	2.00

Sample: 107886 - 1B

Param	Flag	Result	Units	RL
Chloride		9280	mg/Kg	2.00

Sample: 107887 - 2B

Param	Flag	Result	Units	RL
Chloride		7490	mg/Kg	2.00

Sample: 107888 - 3B

Param	Flag	Result	Units	RL
Chloride		7440	mg/Kg	2.00

Sample: 107889 - 4B

Param	Flag	Result	Units	RL
Chloride		7560	mg/Kg	2.00

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2006

Work Order: 6111012



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County,Nm

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108545	1A-21'	soil	2006-11-09	10:25	2006-11-10
108546	2A-22'	soil	2006-11-09	10:30	2006-11-10
108547	3A-23'	soil	2006-11-09	10:35	2006-11-10
108548	4A-24'	soil	2006-11-09	10:40	2006-11-10
108549	5A-25'	soil	2006-11-09	10:45	2006-11-10
108550	6A-26'	soil	2006-11-09	10:50	2006-11-10
108551	7A-27'	soil	2006-11-09	10:55	2006-11-10
108552	8A-28'	soil	2006-11-09	11:00	2006-11-10
108553	9A-29'	soil	2006-11-09	11:05	2006-11-10
108554	10A-30'	soil	2006-11-09	11:10	2006-11-10
108555	1B-21'	soil	2006-11-09	11:30	2006-11-10
108556	2B-22'	soil	2006-11-09	11:35	2006-11-10
108557	3B-23'	soil	2006-11-09	11:40	2006-11-10
108558	4B-24'	soil	2006-11-09	11:45	2006-11-10
108559	5B-25'	soil	2006-11-09	11:50	2006-11-10
108560	6B-26'	soil	2006-11-09	11:55	2006-11-10
108561	7B-27'	soil	2006-11-09	12:00	2006-11-10
108562	8B-28'	soil	2006-11-09	12:05	2006-11-10
108563	9B-29'	soil	2006-11-09	12:10	2006-11-10
108564	10B-30'	soil	2006-11-09	12:15	2006-11-10
108565	1C-21'	soil	2006-11-09	12:45	2006-11-10
108566	2C-22'	soil	2006-11-09	12:50	2006-11-10
108567	3C-23'	soil	2006-11-09	12:55	2006-11-10
108568	4C-24'	soil	2006-11-09	13:00	2006-11-10

Sample: 108545 - 1A-21'

Param	Flag	Result	Units	RL
Chloride		12700	mg/Kg	2.00

Sample: 108546 - 2A-22'

Param	Flag	Result	Units	RL
Chloride		11000	mg/Kg	2.00

Sample: 108547 - 3A-23'

Param	Flag	Result	Units	RL
Chloride		12000	mg/Kg	2.00

Sample: 108548 - 4A-24'

Param	Flag	Result	Units	RL
Chloride		12000	mg/Kg	2.00

Sample: 108549 - 5A-25'

Param	Flag	Result	Units	RL
Chloride		10400	mg/Kg	2.00

Sample: 108550 - 6A-26'

Param	Flag	Result	Units	RL
Chloride		9320	mg/Kg	2.00

Sample: 108551 - 7A-27'

Param	Flag	Result	Units	RL
Chloride		9660	mg/Kg	2.00

Sample: 108552 - 8A-28'

Param	Flag	Result	Units	RL
Chloride		5380	mg/Kg	2.00

Sample: 108553 - 9A-29'

Param	Flag	Result	Units	RL
Chloride		6910	mg/Kg	2.00

Sample: 108554 - 10A-30'

Param	Flag	Result	Units	RL
Chloride		4370	mg/Kg	2.00

Sample: 108555 - 1B-21'

Param	Flag	Result	Units	RL
Chloride		6850	mg/Kg	2.00

Sample: 108556 - 2B-22'

Param	Flag	Result	Units	RL
Chloride		6690	mg/Kg	2.00

Sample: 108557 - 3B-23'

Param	Flag	Result	Units	RL
Chloride		9540	mg/Kg	2.00

Sample: 108558 - 4B-24'

Param	Flag	Result	Units	RL
Chloride		8040	mg/Kg	2.00

Sample: 108559 - 5B-25'

Param	Flag	Result	Units	RL
Chloride		8330	mg/Kg	2.00

Sample: 108560 - 6B-26'

Param	Flag	Result	Units	RL
Chloride		8200	mg/Kg	2.00

Sample: 108561 - 7B-27'

Param	Flag	Result	Units	RL
Chloride		7140	mg/Kg	2.00

Sample: 108562 - 8B-28'

Param	Flag	Result	Units	RL
Chloride		6860	mg/Kg	2.00

Sample: 108563 - 9B-29'

Param	Flag	Result	Units	RL
Chloride		4960	mg/Kg	2.00

Sample: 108564 - 10B-30'

Param	Flag	Result	Units	RL
Chloride		2760	mg/Kg	2.00

Sample: 108565 - 1C-21'

Param	Flag	Result	Units	RL
Chloride		71.1	mg/Kg	2.00

Sample: 108566 - 2C-22'

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 108567 - 3C-23'

Param	Flag	Result	Units	RL
Chloride		66.4	mg/Kg	2.00

Sample: 108568 - 4C-24'

Param	Flag	Result	Units	RL
Chloride		52.1	mg/Kg	2.00

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: May 3, 2007

Work Order: 7043017



Project Location: Eddy Co.,NM
Project Name: Crawford 26-2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122964	Upgradient	water	2007-04-30	15:35	2007-04-30
122965	Up & Cross Gradient	water	2007-04-30	16:20	2007-04-30
122966	Down Gradient	water	2007-04-30	16:30	2007-04-30

Sample: 122964 - Upgradient

Param	Flag	Result	Units	RL
Chloride		13.3	mg/L	0.500

Sample: 122965 - Up & Cross Gradient

Param	Flag	Result	Units	RL
Chloride		14.2	mg/L	0.500

Sample: 122966 - Down Gradient

Param	Flag	Result	Units	RL
Chloride		45.5	mg/L	0.500



6701 Abercree Avenue, Suite 9 Lubbock, Texas 79424 800•376•1206 876•794•1296 FAX 805•794•1298
 230 East Sunset Road, Suite E El Paso, Texas 79907 688•599•3443 915•585•3443 FAX 913•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•684•3301 FAX 432•684•6313
 6315 Harris Parkway, Suite 110 Ft. Worth, Texas 76137 817•261•5260
 E-Mail: info@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
 Cimarex
 207 S Mesa
 Carlsbad, NM, 88220

Report Date: May 3, 2007

Work Order: 7043017



Project Location: Eddy Co., NM
 Project Name: Crawford 26-2
 Project Number: Crawford 26-2-Eddy County, NM

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
122964	Upgradient	water	2007-04-30	15:35	2007-04-30
122965	Up & Cross Gradient	water	2007-04-30	16:20	2007-04-30
122966	Down Gradient	water	2007-04-30	16:30	2007-04-30

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 3 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: 122964 - Upgradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		13.3	mg/L	5	0.500

Sample: 122965 - Up & Cross Gradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		14.2	mg/L	5	0.500

Sample: 122966 - Down Gradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		45.5	mg/L	5	0.500

Method Blank (1) QC Batch: 36868

QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 QC Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 QC Preparation: 2007-04-30 Prepared By: ER

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Cimarex Energy Work Phone: 972-443-6489
Contact: Dorsey Rogers Home Phone: _____
Address: PO Box 140907
City: Irving State: TX Zip: 75014-0907

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. _____ 1/4 _____ 1/4 _____ 1/4 Section: 26 Township: 24S Range: 26E N.M.P.M.
in Eddy County.

B. X = 433 861.3 N feet, Y = 522 313.3 E feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 11 m 38.0 s Longitude: 104 d 15 m 40.8 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): Cecil Bounds

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Crawford 26-2/MW-1

Drilling began: 04/26/07; Completed: 04/26/07; Type tools: Air Rotary;
Size of hole: 6 1/8 in.; Total depth of well: 40.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 32.22 ft.

File Number: _____ Trn Number: _____
Form: wr-20 page 1 of 4

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: Crawford 26-2/MW-1

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To
2.0	Sch. 40	4.0	0.0	20.0	20.0			
2.0	.020	4.0	20.0	40.0	20.0		20.0	40.0

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
40.0	18.0	6 1/8	9.0		8/16 sand
18.0	15.0	6 1/8	3/4		Bentonite Pellets
15.0	0.0	6 1/8	7.0	2.795	Hand Mix - Cement

8. PLUGGING RECORD

Plugging Contractor: _____
 Address: _____
 Plugging Method: _____
 Date Well Plugged: _____
 Plugging approved by: _____
 State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____
Form: wr-20

Trn Number: _____

File Number: _____

**NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD**

1. OWNER OF WELL

Name: Cimarex Energy Work Phone: 972-443-6489
Contact: Dorsey Rogers Home Phone: _____
Address: PO Box 140907
City: Irving State: TX Zip: 75014-0907

2. LOCATION OF WELL (A,B,C, or D required, E or F if known)

A. _____ 1/4 _____ 1/4 _____ 1/4 Section: 26 Township: 245 Range: 26E N.M.P.M.
in Eddy County.
B. X = 433 861.3 N feet, Y = 522 313.3 E feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: 32 d 11 m 38.0 s Longitude: 104 d 15 m 40.8 s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): Cecil Bounds

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Crawford 26-2/MW-2

Drilling began: 04/26/07; Completed: 04/26/07; Type tools: Air Rotary;
Size of hole: 6 1/8 in.; Total depth of well: 39.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 29.40 ft.

File Number: _____ Trn Number: _____

File Number: _____

**NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD**

5. PRINCIPAL WATER-BEARING STRATA: Crawford 26-2/MW-2

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
2.0	Sch. 40	4.0	0.0	19.0	19.0			
2.0	.020	4.0	19.0	39.0	20.0		19.0	39.0

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole	Sacks	Cubic Feet	Method of Placement
From	To	Diameter	of mud	of Cement	
39.0	17.0	6 1/8	11.0		8/16 sand
17.0	14.0	6 1/8	3/4		Bentonite Pellets
14.0	0.0	6 1/8	7.0	2.795	Hand Mix - Cement

8. PLUGGING RECORD

Plugging Contractor: _____
 Address: _____
 Plugging Method: _____
 Date Well Plugged: _____
 Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			
5			

File Number: _____ Txn Number: _____
 Form: wr-20 page 2 of 4

File Number: _____

**NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD**

1. OWNER OF WELL

Name: Cimarex Energy Work Phone: 972-443-6489
Contact: Dorsey Rogers Home Phone: _____
Address: PO Box 140907
City: Irving State: TX Zip: 75014-0907

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. 1/4 1/4 1/4 Section: 26 Township: 24S Range: 26E N.M.P.M.
in Eddy County.

B. X = 433 861.3 N feet, Y - 522 313.3 E feet, N.M. Coordinate System
Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 11 m 38.0 s Longitude: 104 d 15 m 40.8 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): Cecil Bounds

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: Crawford 26-2/MW-3

Drilling began: 04/26/07 ; Completed: 04/26/07 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 39.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 27.20 ft.

File Number: _____ Trn Number: _____
Form: wr-20 page 1 of 4

File Number: _____

**NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD**

5. PRINCIPAL WATER-BEARING STRATA: Crawford 26-2/MW-3

Depth in Feet		Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
From	To			
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
2.0	Sch. 40	4.0	0.0	19.0	19.0	_____	_____	_____
2.0	.020	4.0	19.0	39.0	20.0	_____	_____	19.0 39.0
_____	_____	_____	_____	_____	_____	_____	_____	_____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
From	To				
39.0	17.0	6 1/8	11.0	_____	8/16 sand
17.0	14.0	6 1/8	3/4	_____	Bentonite Pellets
14.0	0.0	6 1/8	7.0	2.795	Hand Mix - Cement

8. PLUGGING RECORD

Plugging Contractor: _____
 Address: _____
 Plugging Method: _____
 Date Well Plugged: _____
 Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____

File Number: _____ Trn Number: _____

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: April 30, 2007

Work Order: 7043017



Project Location: Eddy Co.,NM
Project Name: Crawford 26-2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122964	Upgradient	water	2007-04-30	15:35	2007-04-30
122965	Up & Cross Gradient	water	2007-04-30	16:20	2007-04-30
122966	Down Gradient	water	2007-04-30	16:30	2007-04-30

Sample: 122964 - Upgradient

Param	Flag	Result	Units	RL
Chloride		13.3	mg/L	0.500

Sample: 122965 - Up & Cross Gradient

Param	Flag	Result	Units	RL
Chloride		14.2	mg/L	0.500

Sample: 122966 - Down Gradient

Param	Flag	Result	Units	RL
Chloride		45.5	mg/L	0.500

TRACE ANALYSIS, INC.

0711 American Avenue, Suite 8 Lubbock, Texas 79424 HO • 806 • 798 • 1796 806 • 794 • 1296 FAX 806 • 794 • 1795
200 East Sunset Road, Suite F El Paso, Texas 79922 HO • 915 • 585 • 0440 915 • 585 • 0113 FAX 915 • 585 • 0984
5002 Basin Street, Suite A1 Mineral Wells 76703 432 • 699 • 0307 FAX 429 • 688 • 1312
655 Frank's Parkway, Suite 110 Ft. Worth Texas 76132 817 • 211 • 5250
E-Mail: info@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: April 30, 2007

Work Order: 7043017



Project Location: Eddy Co., NM
Project Name: Crawford 26-2
Project Number: Crawford 26-2-Eddy County, NM

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
122964	Upgradient	water	2007-04-30	15:35	2007-04-30
122965	Up & Cross Gradient	water	2007-04-30	16:20	2007-04-30
122966	Down Gradient	water	2007-04-30	16:30	2007-04-30

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.

Case Narrative

Samples for project 'Crawford 26-2' were received by TraceAnalysis, Inc. on 2007-04-30 and assigned to work order 7043017. Samples for work order 7043017 were received damaged at a temperature of C.

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

Test	Method
Chloride (IC)	E 300.0

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 7043017 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: 122964 - Upgradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		13.3	mg/L	5	0.500

Sample: 122965 - Up & Cross Gradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		14.2	mg/L	5	0.500

Sample: 122966 - Down Gradient

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 Sample Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		45.5	mg/L	5	0.500

Method Blank (1) QC Batch: 36868

QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 QC Preparation: 2007-04-30 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 36868 Date Analyzed: 2007-04-30 Analyzed By: ER
Prep Batch: 31983 QC Preparation: 2007-04-30 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.3	mg/L	1	12.5	<0.172	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	11.4	mg/L	1	12.5	<0.172	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: 122966

QC Batch: 36868
 Prep Batch: 31983

Date Analyzed: 2007-04-30
 QC Preparation: 2007-04-30

Analyzed By: ER
 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1270	mg/L	100	1250	45.5389	98	10 - 188

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	1220	mg/L	100	1250	45.5389	94	10 - 188	4	20

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

Standard (ICV-1)

QC Batch: 36868

Date Analyzed: 2007-04-30

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2007-04-30

Standard (CCV-1)

QC Batch: 36868

Date Analyzed: 2007-04-30

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2007-04-30

TraceAnalysis, Inc.

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) 568-3443

email: lab@traceanalysis.com

Company Name: <u>Caravel</u>		Phone #:	
Address: <u>201 S Mesa Carlsbad NM 88230</u>		Fax #:	
Contact Person: <u>Dorsey Rogers</u>		E-mail: <u>De Dorsey & Shuey</u>	
Invoice to: <u>Eddy County, NM</u>		(If different from above)	
Project #:		Project Name: <u>Gravel 26.2</u>	
Project Location (including state): <u>Eddy County, NM</u>		Sampler Signature: <u>[Signature]</u>	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					DATE	SAMPLING TIME	Turn Around Time if different from standard
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			
1229164	Up gradient			✓							✓	1535		
	Up gradient			✓							✓	1535		
	Up gradient			✓							✓	1530		
	6.5 Up cross gradient			✓							✓	1600		
	Up cross gradient			✓							✓	1600		
	Up cross gradient			✓							✓	1600		
	Down gradient			✓							✓	1630		
	Down gradient			✓							✓	1630		
	Down gradient			✓							✓	1600		

ANALYSIS REQUEST (Circle or Specify Method No.)		REMARKS: <u>Hold BTEX + TPH samples. Run chloroform only for now.</u>	
<input type="checkbox"/>	MTBE 8021B / 602 / 8260B / 624	<input type="checkbox"/>	Dry Weight Basis Required
<input type="checkbox"/>	BTEX 8021B / 602 / 8260B / 624	<input type="checkbox"/>	TRRP Report Required
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 EXT(C35)	<input type="checkbox"/>	Check If Special Reporting Limits Are Needed
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC		
<input type="checkbox"/>	PAH 8270C / 625		
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200 7		
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
<input type="checkbox"/>	TCLP Volatiles		
<input type="checkbox"/>	TCLP Semi Volatiles		
<input type="checkbox"/>	TCLP Pesticides		
<input type="checkbox"/>	RCI		
<input type="checkbox"/>	GC/MS Vol. 8260B / 624		
<input type="checkbox"/>	GC/MS Semi Vol. 8270C / 625		
<input type="checkbox"/>	PCB's 8082 / 608		
<input type="checkbox"/>	Pesticides 8081A / 608		
<input type="checkbox"/>	BOD, TSS, pH		
<input type="checkbox"/>	Moisture Content		

LAB USE ONLY	Intact <input checked="" type="checkbox"/> Y / N
	Headspace <input type="checkbox"/> Y / N
	Temp <input type="checkbox"/> Y / N
	Log-in-Review <input checked="" type="checkbox"/>

Relinquished by: <u>Shuey Ducker</u>	Date: <u>4-30-07</u>	Time: <u>10:20</u>
Received by: <u>[Signature]</u>	Date: <u>4-30-07</u>	Time: <u>6:10</u>
Relinquished by: <u>[Signature]</u>	Date: <u>4-30-07</u>	Time: <u>10:20</u>
Received at Laboratory by: <u>[Signature]</u>	Date: <u>4-30-07</u>	Time: <u>10:20</u>

Carrier # Caravel

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

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: October 24, 2006

Work Order: 6102302



Project Location: Blackriver-New Mexico
Project Name: Crawford 26-2
Project Number: Unit B-S26-25S-26E

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106545	River 1	Water	2006-10-20	18:20	2006-10-21
106546	River 2	Water	2006-10-20	18:25	2006-10-21

Sample: 106545 - River 1

Param	Flag	Result	Units	RL
Chloride		18.2	mg/L	0.500

Sample: 106546 - River 2

Param	Flag	Result	Units	RL
Chloride		18.0	mg/L	0.500

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: October 27, 2006

Work Order: 6102301



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County,Nm

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106468	A-2	soil	2006-10-20	12:00	2006-10-21
106469	A-5	soil	2006-10-20	12:05	2006-10-21
106470	A-8	soil	2006-10-20	12:10	2006-10-21
106471	A-12	soil	2006-10-20	12:15	2006-10-21
106472	A-15	soil	2006-10-20	12:20	2006-10-21
106473	A-19	soil	2006-10-20	12:25	2006-10-21
106474	A-23	soil	2006-10-20	12:35	2006-10-21
106475	A-24	soil	2006-10-20	12:40	2006-10-21
106476	A-29	soil	2006-10-20	12:45	2006-10-21
106477	A-31	soil	2006-10-20	12:50	2006-10-21
106478	A-34	soil	2006-10-20	12:55	2006-10-21
106479	A-39	soil	2006-10-20	13:00	2006-10-21
106480	C-17	soil	2006-10-20	13:25	2006-10-21
106481	C-18	soil	2006-10-20	13:30	2006-10-21
106482	C-19	soil	2006-10-20	13:35	2006-10-21
106483	C-20	soil	2006-10-20	13:37	2006-10-21
106484	C-23	soil	2006-10-20	13:40	2006-10-21
106485	C-25	soil	2006-10-20	13:45	2006-10-21
106486	C-26	soil	2006-10-20	13:50	2006-10-21
106487	C-27	soil	2006-10-20	13:55	2006-10-21
106488	C-28	soil	2006-10-20	14:00	2006-10-21
106489	C-30	soil	2006-10-20	14:05	2006-10-21
106490	C-35	soil	2006-10-20	14:15	2006-10-21
106491	C-37	soil	2006-10-20	14:20	2006-10-21
106492	D-1	soil	2006-10-20	14:25	2006-10-21
106493	D-2	soil	2006-10-20	14:30	2006-10-21
106494	D-10	soil	2006-10-20	14:33	2006-10-21
106495	D-19	soil	2006-10-20	14:35	2006-10-21
106496	D-21	soil	2006-10-20	14:50	2006-10-21
106497	D-22	soil	2006-10-20	14:55	2006-10-21
106498	D-24	soil	2006-10-20	15:00	2006-10-21
106499	D-26	soil	2006-10-20	15:05	2006-10-21
106500	D-28	soil	2006-10-20	15:10	2006-10-21
106501	D-30	soil	2006-10-20	15:15	2006-10-21
106502	D-35	soil	2006-10-20	15:20	2006-10-21
106503	D-40	soil	2006-10-20	15:25	2006-10-21

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106504	B-3	soil	2006-10-20	16:00	2006-10-21
106505	B-5	soil	2006-10-20	16:05	2006-10-21
106506	B-13	soil	2006-10-20	16:10	2006-10-21
106507	B-18	soil	2006-10-20	16:15	2006-10-21
106508	B-22	soil	2006-10-20	16:20	2006-10-21
106509	B-24	soil	2006-10-20	16:25	2006-10-21
106510	B-26	soil	2006-10-20	16:30	2006-10-21
106511	B-32	soil	2006-10-20	16:35	2006-10-21
106512	B-35	soil	2006-10-20	16:45	2006-10-21
106513	B-36	soil	2006-10-20	16:47	2006-10-21
106514	B-37	soil	2006-10-20	16:50	2006-10-21
106515	B-40	soil	2006-10-20	16:55	2006-10-21
106516	E-13	soil	2006-10-20	17:10	2006-10-21
106517	E-7	soil	2006-10-20	17:19	2006-10-21
106518	E-8	soil	2006-10-20	17:22	2006-10-21
106519	E-12	soil	2006-10-20	17:24	2006-10-21
106520	E-4	soil	2006-10-20	17:17	2006-10-21
106521	E-16	soil	2006-10-20	17:15	2006-10-21
106522	E-24	soil	2006-10-20	17:26	2006-10-21
106523	S-7	soil	2006-10-20	17:28	2006-10-21
106524	S-8	soil	2006-10-20	17:29	2006-10-21
106525	S-14	soil	2006-10-20	17:35	2006-10-21
106526	S-22	soil	2006-10-20	17:30	2006-10-21
106527	S-23	soil	2006-10-20	17:31	2006-10-21
106528	S-24	soil	2006-10-20	17:32	2006-10-21
106529	S-25	soil	2006-10-20	17:33	2006-10-21
106530	S-27	soil	2006-10-20	17:34	2006-10-21
106531	W-3	soil	2006-10-20	17:36	2006-10-21
106532	W-5	soil	2006-10-20	17:37	2006-10-21
106533	W-6	soil	2006-10-20	17:38	2006-10-21
106534	W-7	soil	2006-10-20	17:39	2006-10-21
106535	W-11	soil	2006-10-20	17:41	2006-10-21
106536	W-20	soil	2006-10-20	17:40	2006-10-21
106537	W-24	soil	2006-10-20	17:42	2006-10-21
106538	N-4	soil	2006-10-20	17:45	2006-10-21
106539	N-5	soil	2006-10-20	17:46	2006-10-21
106540	N-6	soil	2006-10-20	17:48	2006-10-21
106541	N-12	soil	2006-10-20	17:51	2006-10-21
106542	N-19	soil	2006-10-20	17:47	2006-10-21
106543	N-21	soil	2006-10-20	17:49	2006-10-21
106544	N-24	soil	2006-10-20	17:50	2006-10-21

Sample - Field Code	BTEX				MTBE (mg/Kg)	TPH DRO (mg/Kg)	TPH GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)			
106468 - A-2	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106469 - A-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106470 - A-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106471 - A-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106472 - A-15	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106473 - A-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106474 - A-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106475 - A-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106476 - A-29	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106477 - A-31	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

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Sample - Field Code	BTEX				MTBE MTBE (mg/Kg)	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)			
106478 - A-34	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106479 - A-39	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106480 - C-17	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106481 - C-18	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106482 - C-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106483 - C-20	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106484 - C-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106485 - C-25	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106486 - C-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106487 - C-27	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106488 - C-28	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106489 - C-30	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106490 - C-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106491 - C-37	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106492 - D-1	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106493 - D-2	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106494 - D-10	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106495 - D-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106496 - D-21	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106497 - D-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106498 - D-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106499 - D-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106500 - D-28	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106501 - D-30	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106502 - D-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106503 - D-40	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106504 - B-3	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106505 - B-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106506 - B-13	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106507 - B-18	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106508 - B-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106509 - B-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106510 - B-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106511 - B-32	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106512 - B-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106513 - B-36	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106514 - B-37	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106515 - B-40	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106516 - E-13	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106517 - E-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106518 - E-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106519 - E-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106520 - E-4	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106521 - E-16	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106522 - E-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106523 - S-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106524 - S-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106525 - S-14	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106526 - S-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106527 - S-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106528 - S-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106529 - S-25	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106530 - S-27	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106531 - W-3	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106532 - W-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106533 - W-6	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

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Sample - Field Code	BTEX				MTBE MTBE (mg/Kg)	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)			
106534 - W-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106535 - W-11	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106536 - W-20	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106537 - W-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106538 - N-4	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106539 - N-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106540 - N-6	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106541 - N-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106542 - N-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106543 - N-21	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106544 - N-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 106468 - A-2

Param	Flag	Result	Units	RL
Chloride		7.45	mg/Kg	2.00

Sample: 106469 - A-5

Param	Flag	Result	Units	RL
Chloride		4.56	mg/Kg	2.00

Sample: 106470 - A-8

Param	Flag	Result	Units	RL
Chloride		4.56	mg/Kg	2.00

Sample: 106471 - A-12

Param	Flag	Result	Units	RL
Chloride		5.80	mg/Kg	2.00

Sample: 106472 - A-15

Param	Flag	Result	Units	RL
Chloride		6.62	mg/Kg	2.00

Sample: 106473 - A-19

Param	Flag	Result	Units	RL
Chloride		28.6	mg/Kg	2.00

Sample: 106474 - A-23

Param	Flag	Result	Units	RL
Chloride		9.52	mg/Kg	2.00

Sample: 106475 - A-24

Param	Flag	Result	Units	RL
Chloride		12.8	mg/Kg	2.00

Sample: 106476 - A-29

Param	Flag	Result	Units	RL
Chloride		17.0	mg/Kg	2.00

Sample: 106477 - A-31

Param	Flag	Result	Units	RL
Chloride		455	mg/Kg	2.00

Sample: 106478 - A-34

Param	Flag	Result	Units	RL
Chloride		10300	mg/Kg	2.00

Sample: 106479 - A-39

Param	Flag	Result	Units	RL
Chloride		7100	mg/Kg	2.00

Sample: 106480 - C-17

Param	Flag	Result	Units	RL
Chloride		1070	mg/Kg	2.00

Sample: 106481 - C-18

Param	Flag	Result	Units	RL
Chloride		3090	mg/Kg	2.00

Sample: 106482 - C-19

Param	Flag	Result	Units	RL
Chloride		5740	mg/Kg	2.00

Sample: 106483 - C-20

Param	Flag	Result	Units	RL
Chloride		7660	mg/Kg	2.00

Sample: 106484 - C-23

Param	Flag	Result	Units	RL
Chloride		1310	mg/Kg	2.00

Sample: 106485 - C-25

Param	Flag	Result	Units	RL
Chloride		5530	mg/Kg	2.00

Sample: 106486 - C-26

Param	Flag	Result	Units	RL
Chloride		4930	mg/Kg	2.00

Sample: 106487 - C-27

Param	Flag	Result	Units	RL
Chloride		12600	mg/Kg	2.00

Sample: 106488 - C-28

Param	Flag	Result	Units	RL
Chloride		4660	mg/Kg	2.00

Sample: 106489 - C-30

Param	Flag	Result	Units	RL
Chloride		2910	mg/Kg	2.00

Sample: 106490 - C-35

Param	Flag	Result	Units	RL
Chloride		3700	mg/Kg	2.00

Sample: 106491 - C-37

Param	Flag	Result	Units	RL
Chloride		2910	mg/Kg	2.00

Sample: 106492 - D-1

Param	Flag	Result	Units	RL
Chloride		11500	mg/Kg	2.00

Sample: 106493 - D-2

Param	Flag	Result	Units	RL
Chloride		2010	mg/Kg	2.00

Sample: 106494 - D-10

Param	Flag	Result	Units	RL
Chloride		6460	mg/Kg	2.00

Sample: 106495 - D-19

Param	Flag	Result	Units	RL
Chloride		17.4	mg/Kg	2.00

Sample: 106496 - D-21

Param	Flag	Result	Units	RL
Chloride		12.3	mg/Kg	2.00

Sample: 106497 - D-22

Param	Flag	Result	Units	RL
Chloride		4510	mg/Kg	2.00

Sample: 106498 - D-24

Param	Flag	Result	Units	RL
Chloride		11300	mg/Kg	2.00

Sample: 106499 - D-26

Param	Flag	Result	Units	RL
Chloride		581	mg/Kg	2.00

Sample: 106500 - D-28

Param	Flag	Result	Units	RL
Chloride		765	mg/Kg	2.00

Sample: 106501 - D-30

Param	Flag	Result	Units	RL
Chloride		4080	mg/Kg	2.00

Sample: 106502 - D-35

Param	Flag	Result	Units	RL
Chloride		810	mg/Kg	2.00

Sample: 106503 - D-40

Param	Flag	Result	Units	RL
Chloride		12.0	mg/Kg	2.00

Sample: 106504 - B-3

Param	Flag	Result	Units	RL
Chloride		719	mg/Kg	2.00

Sample: 106505 - B-5

Param	Flag	Result	Units	RL
Chloride		1430	mg/Kg	2.00

Sample: 106506 - B-13

Param	Flag	Result	Units	RL
Chloride		2540	mg/Kg	2.00

Sample: 106507 - B-18

Param	Flag	Result	Units	RL
Chloride		3450	mg/Kg	2.00

Sample: 106508 - B-22

Param	Flag	Result	Units	RL
Chloride		10400	mg/Kg	2.00

Sample: 106509 - B-24

Param	Flag	Result	Units	RL
Chloride		8620	mg/Kg	2.00

Sample: 106510 - B-26

Param	Flag	Result	Units	RL
Chloride		2310	mg/Kg	2.00

Sample: 106511 - B-32

Param	Flag	Result	Units	RL
Chloride		4820	mg/Kg	2.00

Sample: 106512 - B-35

Param	Flag	Result	Units	RL
Chloride		442	mg/Kg	2.00

Sample: 106513 - B-36

Param	Flag	Result	Units	RL
Chloride		12600	mg/Kg	2.00

Sample: 106514 - B-37

Param	Flag	Result	Units	RL
Chloride		6620	mg/Kg	2.00

Sample: 106515 - B-40

Param	Flag	Result	Units	RL
Chloride		191	mg/Kg	2.00

Sample: 106516 - E-13

Param	Flag	Result	Units	RL
Chloride		172	mg/Kg	2.00

Sample: 106517 - E-7

Param	Flag	Result	Units	RL
Chloride		6.90	mg/Kg	2.00

Sample: 106518 - E-8

Param	Flag	Result	Units	RL
Chloride		7.55	mg/Kg	2.00

Sample: 106519 - E-12

Param	Flag	Result	Units	RL
Chloride		153	mg/Kg	2.00

Sample: 106520 - E-4

Param	Flag	Result	Units	RL
Chloride		12.2	mg/Kg	2.00

Sample: 106521 - E-16

Param	Flag	Result	Units	RL
Chloride		21.6	mg/Kg	2.00

Sample: 106522 - E-24

Param	Flag	Result	Units	RL
Chloride		9.80	mg/Kg	2.00

Sample: 106523 - S-7

Param	Flag	Result	Units	RL
Chloride		2190	mg/Kg	2.00

Sample: 106524 - S-8

Param	Flag	Result	Units	RL
Chloride		226	mg/Kg	2.00

Sample: 106525 - S-14

Param	Flag	Result	Units	RL
Chloride		201	mg/Kg	2.00

Sample: 106526 - S-22

Param	Flag	Result	Units	RL
Chloride		7160	mg/Kg	2.00

Sample: 106527 - S-23

Param	Flag	Result	Units	RL
Chloride		1220	mg/Kg	2.00

Sample: 106528 - S-24

Param	Flag	Result	Units	RL
Chloride		5800	mg/Kg	2.00

Sample: 106529 - S-25

Param	Flag	Result	Units	RL
Chloride		2360	mg/Kg	2.00

Sample: 106530 - S-27

Param	Flag	Result	Units	RL
Chloride		1720	mg/Kg	2.00

Sample: 106531 - W-3

Param	Flag	Result	Units	RL
Chloride		26.5	mg/Kg	2.00

Sample: 106532 - W-5

Param	Flag	Result	Units	RL
Chloride		18.4	mg/Kg	2.00

Sample: 106533 - W-6

Param	Flag	Result	Units	RL
Chloride		87.7	mg/Kg	2.00

Sample: 106534 - W-7

Param	Flag	Result	Units	RL
Chloride		14.5	mg/Kg	2.00

Sample: 106535 - W-11

Param	Flag	Result	Units	RL
Chloride		12.4	mg/Kg	2.00

Sample: 106536 - W-20

Param	Flag	Result	Units	RL
Chloride		195	mg/Kg	2.00

Sample: 106537 - W-24

Param	Flag	Result	Units	RL
Chloride		13.8	mg/Kg	2.00

Sample: 106538 - N-4

Param	Flag	Result	Units	RL
Chloride		6.71	mg/Kg	2.00

Sample: 106539 - N-5

Param	Flag	Result	Units	RL
Chloride		5.24	mg/Kg	2.00

Sample: 106540 - N-6

Param	Flag	Result	Units	RL
Chloride		9.22	mg/Kg	2.00

Sample: 106541 - N-12

Param	Flag	Result	Units	RL
Chloride		20.3	mg/Kg	2.00

Sample: 106542 - N-19

Param	Flag	Result	Units	RL
Chloride		5.45	mg/Kg	2.00

Sample: 106543 - N-21

Param	Flag	Result	Units	RL
Chloride		8.60	mg/Kg	2.00

Sample: 106544 - N-24

Param	Flag	Result	Units	RL
Chloride		1850	mg/Kg	2.00

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2006

Work Order: 6111012



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County,Nm

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108545	1A-21'	soil	2006-11-09	10:25	2006-11-10
108550	6A-26'	soil	2006-11-09	10:50	2006-11-10
108554	10A-30'	soil	2006-11-09	11:10	2006-11-10
108555	1B-21'	soil	2006-11-09	11:30	2006-11-10
108560	6B-26'	soil	2006-11-09	11:55	2006-11-10
108564	10B-30'	soil	2006-11-09	12:15	2006-11-10

Sample: 108545 - 1A-21'

Param	Flag	Result	Units	RL
SPLP Chloride		1330	mg/Kg	0.500

Sample: 108550 - 6A-26'

Param	Flag	Result	Units	RL
SPLP Chloride		873	mg/Kg	0.500

Sample: 108554 - 10A-30'

Param	Flag	Result	Units	RL
SPLP Chloride		488	mg/Kg	0.500

Sample: 108555 - 1B-21'

Param	Flag	Result	Units	RL
SPLP Chloride		695	mg/Kg	0.500

Sample: 108560 - 6B-26'

Param	Flag	Result	Units	RL
SPLP Chloride		783	mg/Kg	0.500

Sample: 108564 - 10B-30'

Param	Flag	Result	Units	RL
SPLP Chloride		342	mg/Kg	0.500

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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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: Comau
Address: 201 S Mesa Carlsbad, NM 88800
Contact Person: Dorsey Loyers
E-mail: valley@nmsp.com
Phone #: 505-200-5345
Fax #:

Project #:
Project Name: FORNI #3
Project Location (including state): EDDY COUNTY NM
Sample Signature: [Signature]
15-225-27E AP130015-33350

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH		
109357	W2	1	4oz	✓								11/14/06	800
58	W10	1	4oz	✓								11/14/06	810
59	W15	1	4oz	✓								11/14/06	820
60	W17	1	4oz	✓								11/14/06	830
61	W18	1	4oz	✓								11/14/06	840
62	W19	1	4oz	✓								11/14/06	850
63	W24	1	4oz	✓								11/14/06	900
64	W28	1	4oz	✓								11/14/06	910
65	C1	1	4oz	✓								11/14/06	920
66	C8	1	4oz	✓								11/14/06	930
67	C10	1	4oz	✓								11/14/06	940

Relinquished by: [Signature] Date: 11-17-06 Time: 9 AM
 Relinquished by: [Signature] Date: 11-17-06 Time: 3:40
 Relinquished by: [Signature] Date: 11-17-06 Time: 3:40

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	TPH 418 1 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	PAH 8270C / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol 8260B / 624
<input type="checkbox"/>	GC/MS Semi Vol 8270C / 625
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	Pesticides 8081A / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Turn Around Time if different from standard

REMARKS:

LAB USE ONLY
 Intact: Y N
 Headspace: Y N
 Temp: RM Y N
 Log-in-Review: [Signature]

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

Analytical Report

Sample: 108545 - 1A-21'

Analysis:	SPLP Cl	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
QC Batch:	32052	Date Analyzed:	2006-11-19	Analyzed By:	WB
Prep Batch:	27922	Sample Preparation:	2006-11-19	Prepared By:	JS
		SPLP Extraction:	2006-11-19	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		1330	mg/Kg	100	0.500

Sample: 108550 - 6A-26'

Analysis:	SPLP Cl	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
QC Batch:	32052	Date Analyzed:	2006-11-19	Analyzed By:	WB
Prep Batch:	27922	Sample Preparation:	2006-11-19	Prepared By:	JS
		SPLP Extraction:	2006-11-19	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		873	mg/Kg	50	0.500

Sample: 108554 - 10A-30'

Analysis:	SPLP Cl	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
QC Batch:	32052	Date Analyzed:	2006-11-19	Analyzed By:	WB
Prep Batch:	27922	Sample Preparation:	2006-11-19	Prepared By:	JS
		SPLP Extraction:	2006-11-19	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		488	mg/Kg	10	0.500

Sample: 108555 - 1B-21'

Analysis:	SPLP Cl	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
QC Batch:	32052	Date Analyzed:	2006-11-19	Analyzed By:	WB
Prep Batch:	27922	Sample Preparation:	2006-11-19	Prepared By:	JS
		SPLP Extraction:	2006-11-19	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		695	mg/Kg	50	0.500

Sample: 108560 - 6B-26'

Analysis: SPLP Cl	Analytical Method: E 300.0	Prep Method: SPLP 1312
QC Batch: 32052	Date Analyzed: 2006-11-19	Analyzed By: WB
Prep Batch: 27922	Sample Preparation: 2006-11-19	Prepared By: JS
	SPLP Extraction: 2006-11-19	Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		783	mg/Kg	50	0.500

Sample: 108564 - 10B-30'

Analysis: SPLP Cl	Analytical Method: E 300.0	Prep Method: SPLP 1312
QC Batch: 32052	Date Analyzed: 2006-11-19	Analyzed By: WB
Prep Batch: 27922	Sample Preparation: 2006-11-19	Prepared By: JS
	SPLP Extraction: 2006-11-19	Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		342	mg/Kg	10	0.500

Matrix Blank (1) QC Batch: 32052

QC Batch: 32052	Date Analyzed: 2006-11-19	Analyzed By: WB
Prep Batch: 27922	QC Preparation: 2006-11-18	Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
SPLP Chloride		1.39	mg/Kg	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 32052	Date Analyzed: 2006-11-19	Analyzed By: WB
Prep Batch: 27922	QC Preparation: 2006-11-18	Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	12.6	mg/Kg	1	12.5	1.39	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
SPLP Chloride	13.7	mg/Kg	1	12.5	1.39	98	90 - 110	8	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: 108564

QC Batch: 32052
 Prep Batch: 27922

Date Analyzed: 2006-11-19
 QC Preparation: 2006-11-18

Analyzed By: WB
 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	455	mg/Kg	10	125	342	90	49.8 - 149

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
SPLP Chloride	470	mg/Kg	10	125	342	102	49.8 - 149	3	20

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

Standard (ICV-1)

QC Batch: 32052

Date Analyzed: 2006-11-19

Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/Kg	12.5	12.3	98	90 - 110	2006-11-19

Standard (CCV-1)

QC Batch: 32052

Date Analyzed: 2006-11-19

Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/Kg	12.5	12.1	97	90 - 110	2006-11-19

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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200 East Sunset Rd., Suite E
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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: Cummins Phone #: 505-200 5345
Address: (Street, City, Zip) 207 S Mesa Carlsbad, nm 88520 Fax #: -
Contact Person: Dorsey Rogers E-mail: valleyenergy@plateau.net
Invoice to: (If different from above)
Project #: - Project Name: Crawford 26 Fed #2
Project Location (including state): Unit B S26-24S-26E Eddy County, Nm Sampler Signature: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)	
<input type="checkbox"/>	MTBE 8021B / 602 / 8260B / 624
<input type="checkbox"/>	BTEX 8021B / 602 / 8260B / 624
<input type="checkbox"/>	TPH 418 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270C / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 60109/2007
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol 8260B / 624
<input type="checkbox"/>	GC/MS Semi Vol 8270C / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081A / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input checked="" type="checkbox"/>	<u>Chloride</u>
<input type="checkbox"/>	Turn Around Time if different from standard
<input type="checkbox"/>	Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
108545	1A-21CL	1	4oz		✓									11/9/06	1025
46	2A-22FE	1	4oz		✓									11/9/06	1030
47	3A-23FE	1	4oz		✓									11/9/06	1135
48	4A-24FE	1	4oz		✓									11/9/06	1140
49	5A-25FE	1	4oz		✓									11/9/06	1145
50	6A-26FE	1	4oz		✓									11/9/06	1150
51	7A-27FE	1	4oz		✓									11/9/06	1155
52	8A-28FE	1	4oz		✓									11/9/06	1100
53	9A-29FE	1	4oz		✓									11/9/06	1105
54	10A-30FE	1	4oz		✓									11/9/06	1110
55	1B-21FL	1	4oz		✓									11/9/06	1120A

Relinquished by: [Signature] Date: 11-9-06 Time: 4:15
Received by: UPS Date: 11-9-06 Time: 4:50
Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received at Laboratory by: [Signature] Date: 11-10-06 Time: 10:10

LAB USE ONLY
Intact (Y) N
Headspace Y / N
Temp 27
Log-in-Review [Signature]
REMARKS:
 Dry Weight Basis Required
 TRRP Report Required
 Check If Special Reporting Limits Are Needed

ORIGINAL COPY LAB Order ID # 6111012 Page 2 of 3

Trace Analysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1236
Fax (806) 794-1238
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: UNION Phone #: 505 300 5345
 Address: 207 S Mesa Carlsbad Nm 88320 (Street, City, Zip) Fax #: _____
 Contact Person: Dorsey Lopez E-mail: unionsenergyplatform@aol.com
 Invoice to: _____
 (If different from above)
 Project #: _____ Project Name: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTRE 8021B / 602 / 8260B / 624
<input type="checkbox"/>	BTEX 8021B / 602 / 8260B / 624
<input type="checkbox"/>	TPH 418 1 / TX1005 / TX1005 EX(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270C / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200 7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol 8260B / 624
<input type="checkbox"/>	GC/MS Semi Vol 8270C / 625
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	Pesticides 8081A / 608
<input type="checkbox"/>	BOD, TSS, PH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Turn Around Time if different from standard

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		REMARKS	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE		NONE
108556	ZB-22FL	1	402	✓								11/9/06	1135	
57	3B-25FL	1	402	✓								11/9/06	1140	
58	4B-24FL	1	402	✓								11/9/06	1145	
59	5B-25FE	1	402	✓								11/9/06	1150	
60	6B-26FL	1	402	✓								11/9/06	1155	
61	7B-27FL	1	402	✓								11/9/06	1200	
62	8B-28FL	1	402	✓								11/9/06	1205	
63	9B-29FL	1	402	✓								11/9/06	1210	
64	10B-30FE	1	402	✓								11/9/06	1215	
65	1C-21FE	1	402	✓								11/9/06	1245	
66	2C-22FL	1	402	✓								11/9/06	1250	

Relinquished by: Dorsey Lopez Date: 11-9-06 Time: 4:57P
 Received by: UPS Date: 11-9-06 Time: 4:15P
 Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____
 Received at Laboratory by: Dorsey Lopez Date: 11-10-06 Time: 10:10
 Carrier # UPS 51645658915

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

ORIGINAL COPY
LAB Order ID # 6111012
Page 3 of 3

TraceAnalysis, Inc.
email: lab@traceanalysis.com
6701 Aberdeen Avenue, Suite 9
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Fax (915) 585-4944
1 (888) 588-3443

5015 Harris Pkwy., Suite 110
Ft Worth, Texas 76132
Tel (817) 201-5260

Company Name: Limarell
Address: 1701 S Mesa Carlsbad NM 88520
Contact Person: Dobson Kewers
Phone #: 505-300-5345
Fax #:
E-mail: lab@traceanalysis.com
Invoice to: (If different from above)
Project #:
Project Name: Crawford 26 Fed 2
Project Location (including state): WAB section 215. 26E
Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
108567	30-23FE	1	1/2	✓								11/9/06	10:55
08	40-24FE	1	1/2	✓								11/9/06	10:00 pm

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624
BTEX 8021B / 602 / 8260B / 624
TPH 4181 / TX1005 / TX1005 EXHC35
TPH 8015 GRO / DRO / TVHC
PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007
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 / 808
BOD TSS pH
Moisture Content
Turn Around Time if different from standard

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp Y / N
Log-in-Review Y / N

REMARKS:
UPB
11-9-06 4:55 P
UPB
11-9-06 4:55 P
UPB
11-9-06 4:55 P

Carrier # UP 53104. 915 591 5

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

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Thursday, December 07, 2006 2:41 PM
To: 'Zeno Farris'
Subject: RE: Crawford 26-2 NMOCD Order 11-30--06

Zeno,

Your request for an extension of time to commence delineation is approved to January 12, 2007 unless otherwise instructed by Mr. Price.

Sincerely,

Mike Bratcher
NMOCD District 2

From: Zeno Farris [mailto:zfarris@cimarex.com]
Sent: Thursday, December 07, 2006 2:05 PM
To: Bratcher, Mike, EMNRD
Subject: FW: Crawford 26-2 NMOCD Order 11-30--06

Mike we are putting together our sample data and want to schedule a meeting with Mr. Price in Santa Fe concerning the referenced pit reclamation. Can we postpone delineation operations until after we meet with Mr. Price? Dorsey is coming in next week to discuss this with us.

Thanks

Zeno

From: dorseyrogers@aol.com [mailto:dorseyrogers@aol.com]
Sent: Thursday, November 30, 2006 1:50 PM
To: Dee Smith; Zeno Farris
Subject: Crawford 26-2 NMOCD Order 11-30--06



TRACE ANALYSIS, 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

November 20, 2006

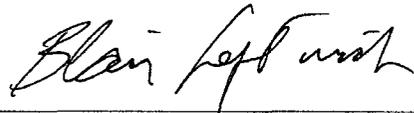
CIMAREX
 207 S. Mesa
 Carlsbad, NM 88220

Attention: Dorsey Rogers

RE: Crawford 26 Fed #2

TRACE #	FIELD CODE	TOTAL Cl- (mg/kg)	SPLP Cl- (mg/L)	% Leachable
108545	1A-21'	12,700	1,330	10
108550	6A-26'	9,320	873	9
108554	10A-30'	4,370	488	11
108555	1B-21'	6,850	695	10
108560	6B-26'	8,200	783	10
108564	10B-30'	2,760	342	12

Above are bore hole sample results for chloride and SPLP chloride representing various high concentration levels at Crawford 26 Fed #2. The data shows that only 9-12% of the total chlorides are leachable. If rainfall were such that the site could pond and leach the concentration of leachable chlorides may not significantly alter the groundwater quality depending on the concentration of chlorides in the groundwater. It is reported that the depth of the excavation is 16-17' deep. The data shows significantly high chlorides at 21-30' deep. Additional excavation is of little value if leachability can be controlled by other measures. Because of the depth of chlorides the additional excavation should be stopped, the pit lined with an impermeable liner, the pit backfilled with low chloride soil and the pit capped with a dome of compacted soil. This procedure should negate the possibility of chlorides leaching to groundwater.



Director, Dr. Blair Leftwich

11-20-06

DATE

Crawford 26 #2 Drilling Pit
Floor -- 11/9/06

A

155'

B

135'



N

Legend:

Each square is
11' x 11'
approx

Drilling pit floor
is approx 155'
x 135' x 16'

Shaded area =
original
horse shoe

Samples were
taken 1' below
floor surface

	7.45			4.56					719		1430		
4.56				5.8								2540	
6.62				28.6							3540		
	9.52	12.8						10400	8620		2310		
17		455						10300			4820		442
			7100					12600	6620			191	
								11500	2010				
										6460			
		1070	3090	5740	7660							17.4	12.3
	1310		5530	4930	12600	4660	4510		11300			581	765
	2910									4080			810
	2910												12

C

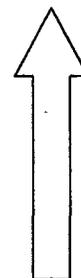
D

Crawford 26 #2 Drilling Pit
Floor -- 10/20/06

A

155'

B



N

Legend:

Each square is
11' x 11'
approx

Drilling pit floor
is approx 155'
x 135' x 16'

Shaded area =
original
horse shoe

Samples were
taken 1' below
floor surface

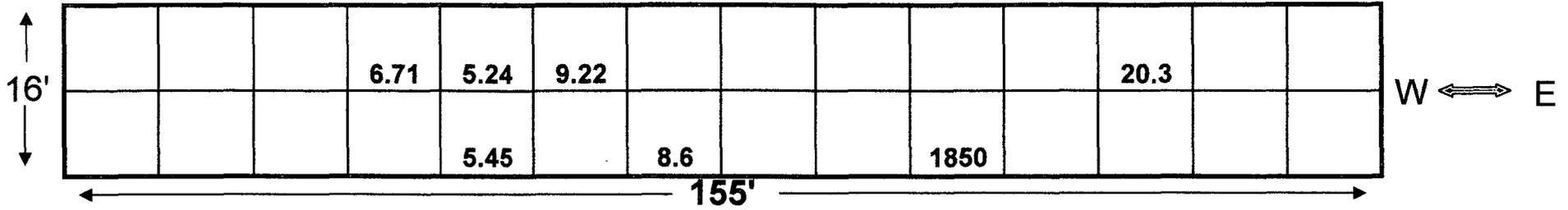
135'

	7.45			4.56					719		1430		
4.56				5.8								2540	
6.62				28.6							3540		
	9.52	12.8					10400		8620		2310		
17		455				10300				4820			442
			7100				12600	6620			191		
							11500	2010					
									6460				
		1070	3090	5740	7660						17.4		12.3
	1310		5530	4930	12600	4660	4510		11300		581		765
	2910					3700		4080					810
	2910												12

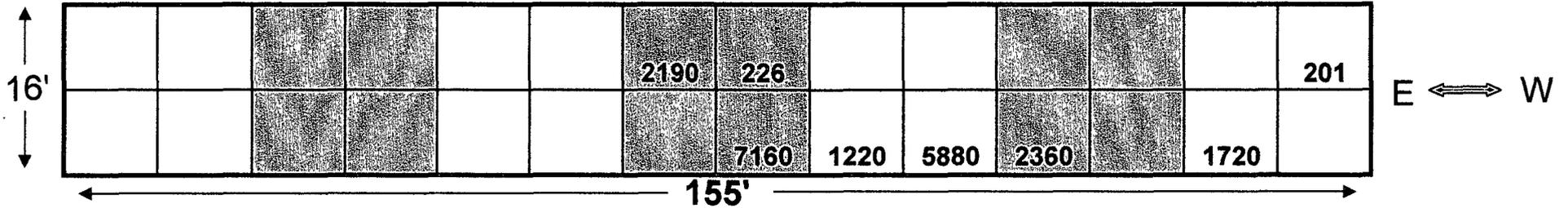
C

D

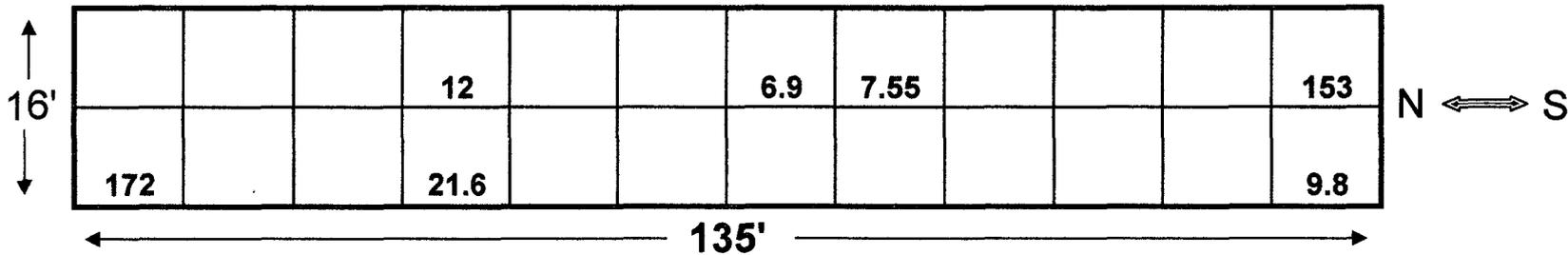
Crawford 26 #2 Drilling Pit
Walls -- 10/20/06
North Wall



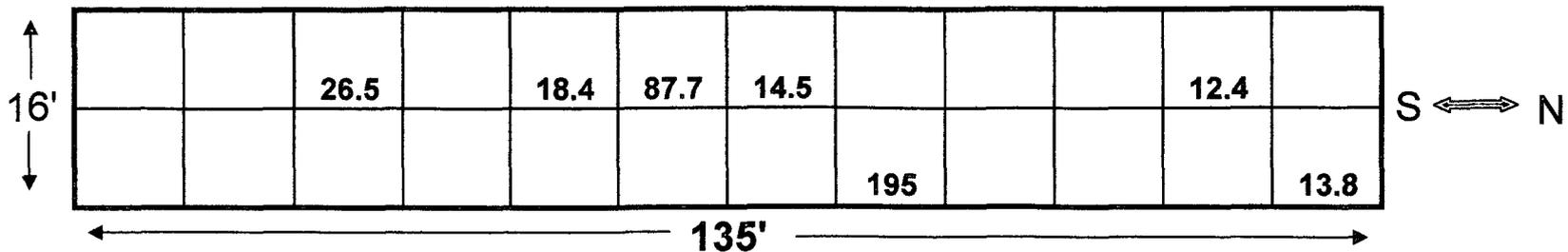
South Wall



East Wall



West Wall



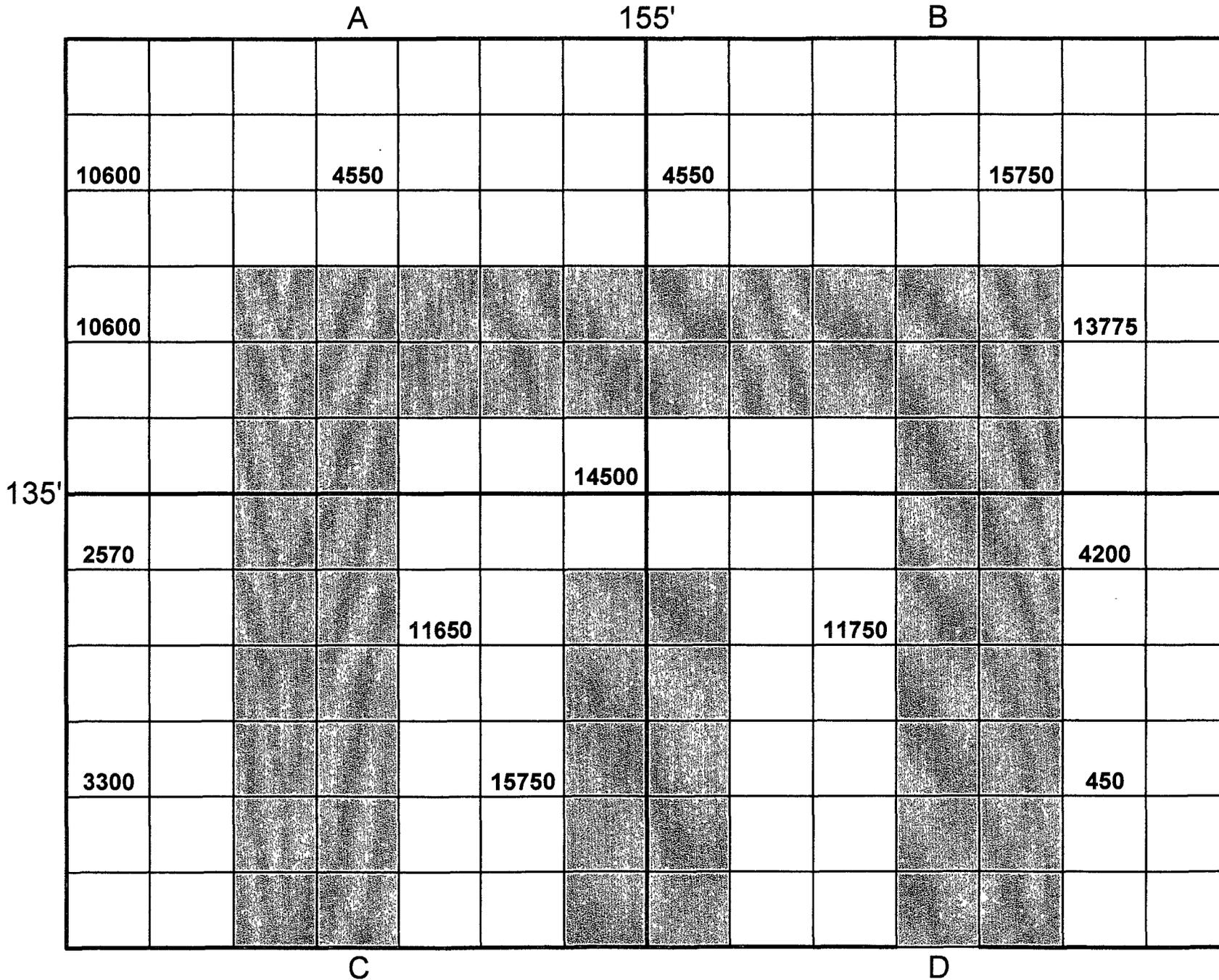
Wall Legend:

Each square is approx 8' x 11'

South wall shaded area = original horse shoe

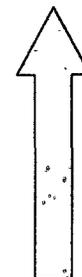
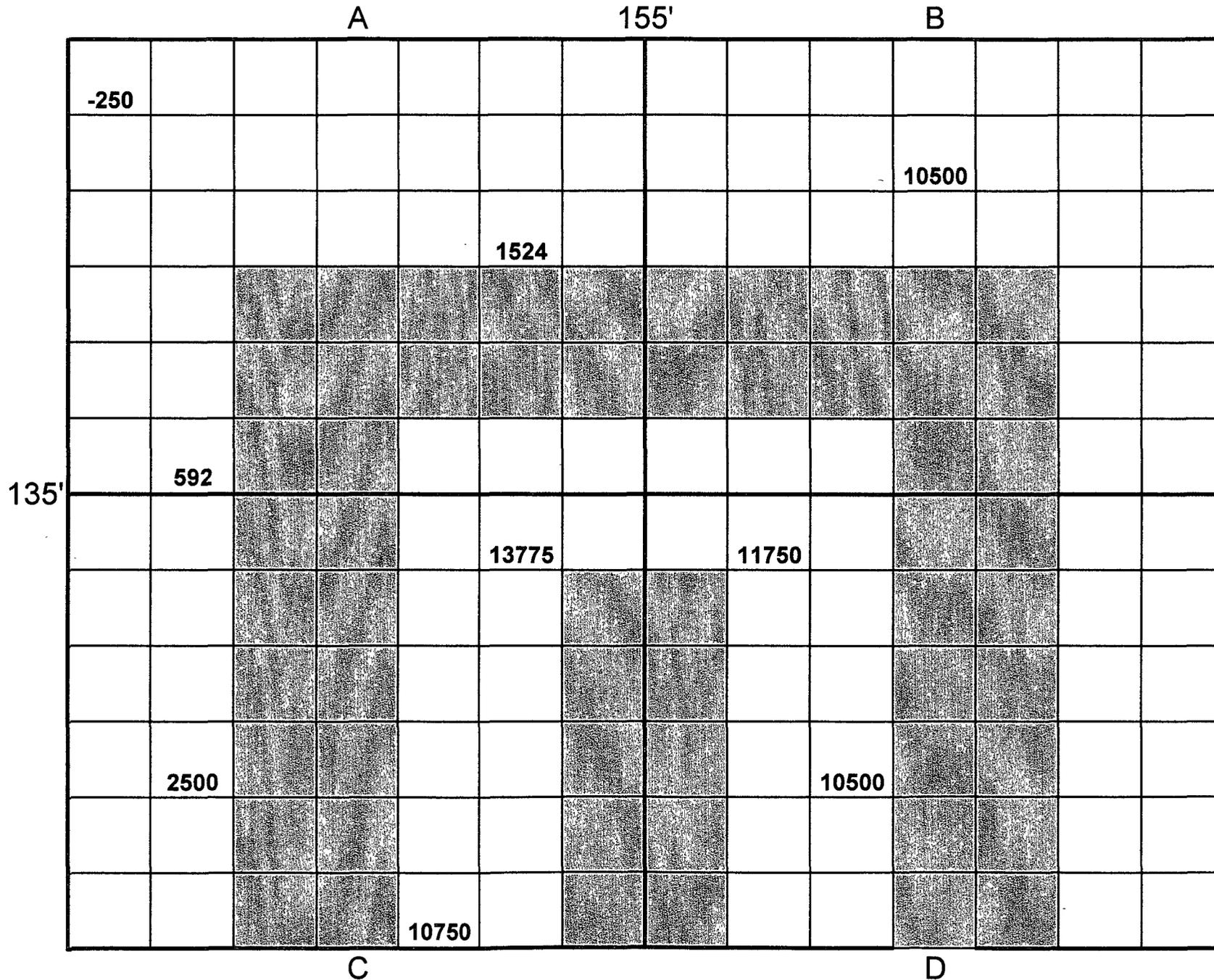
Samples were taken 6" into wall

Crawford 26 #2 Drilling Pit
 Floor -- 10-2-06



Legend:
 Each square is 11' x 11' approx
 Drilling pit floor is approx 155' x 135' x 12'
 Shaded area = original horse shoe
 Samples were taken 1' below floor surface

Crawford 26 #2 Drilling Pit
 Floor -- 10-3-06



N

Legend:

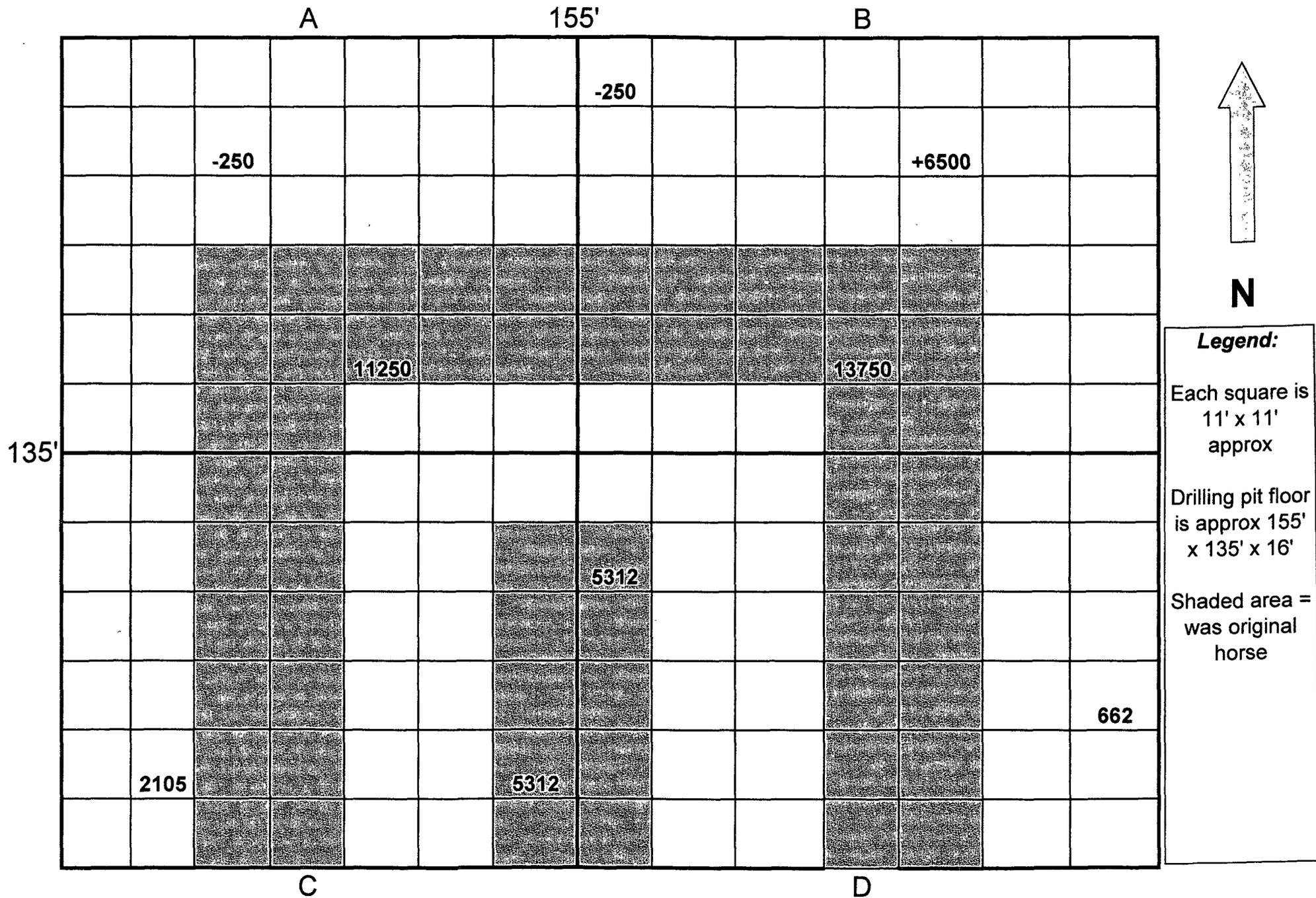
Each square is
 11' x 11'
 approx

Drilling pit floor
 is approx 155'
 x 135' x 13'

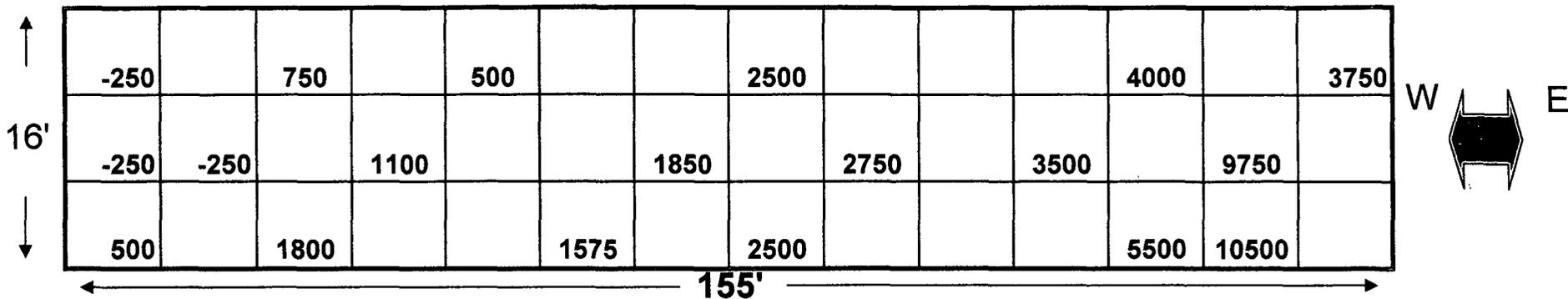
Shaded area =
 original
 horse shoe

Samples were
 taken 1' below
 floor surface

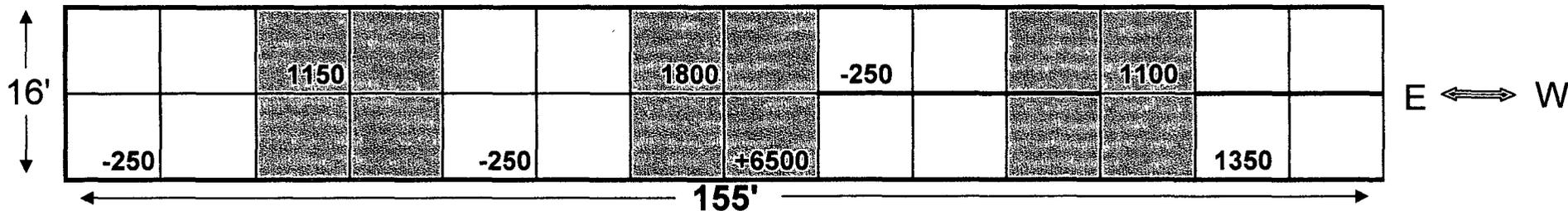
Crawford 26 #2 Drilling Pit
 Floor -- 10-11-06



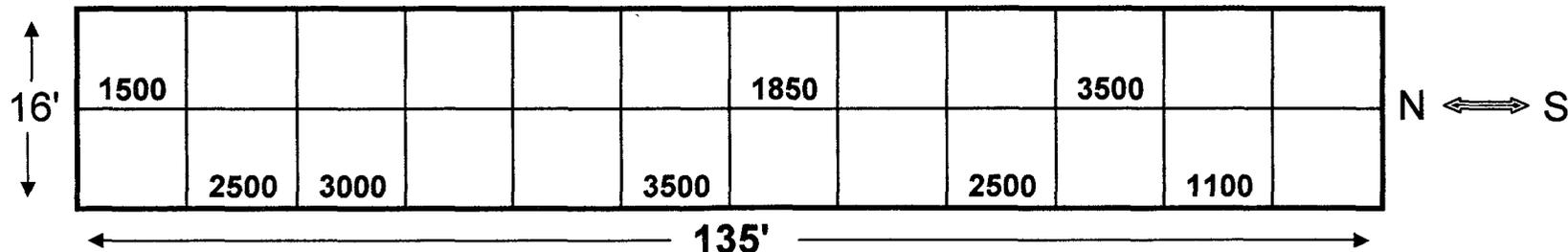
Crawford 26 #2 Drilling Pit
Walls -- 10/11/06
North Wall



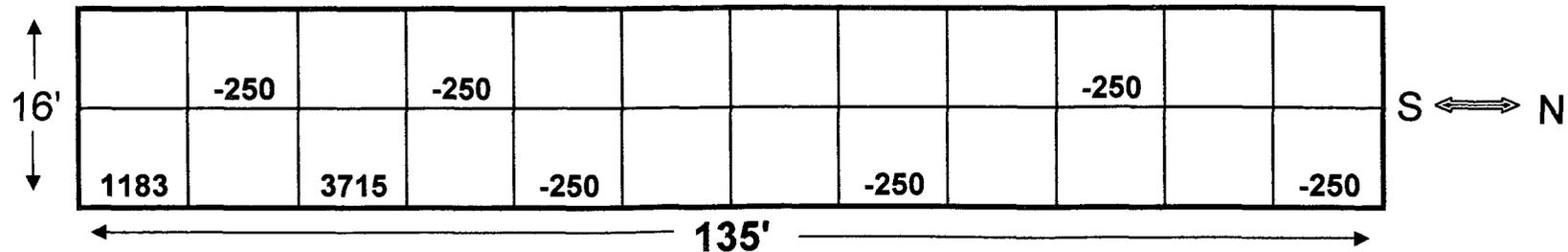
South Wall



East Wall



West Wall



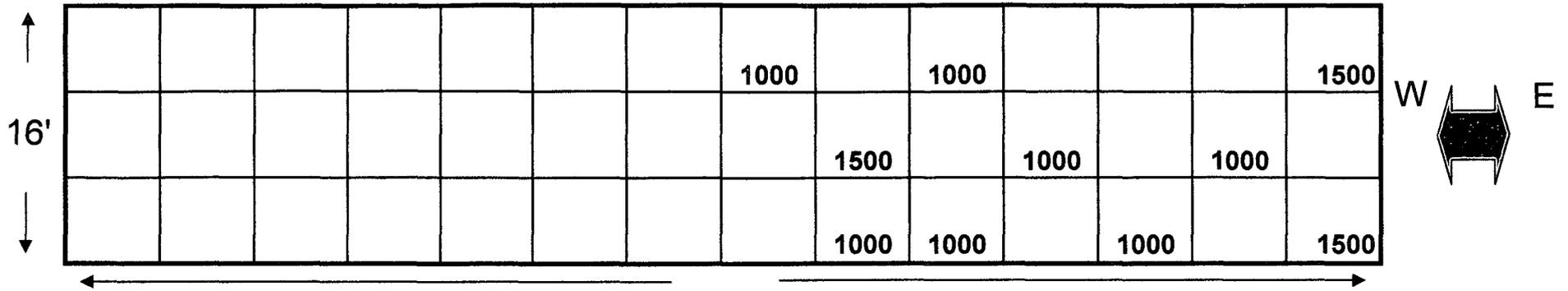
Wall Legend:

Each square is approx 8' x 11'

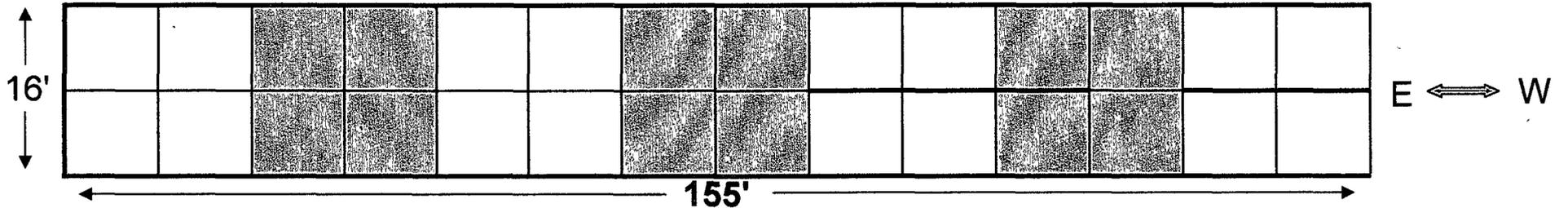
South wall shaded area = original horse shoe

Samples were taken 6" into wall

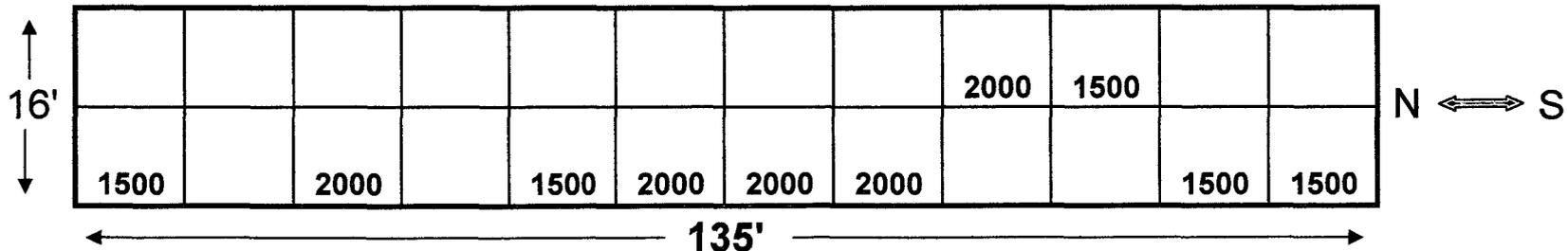
Crawford 26 #2 Drilling Pit
Walls -- 10/13/06
North Wall



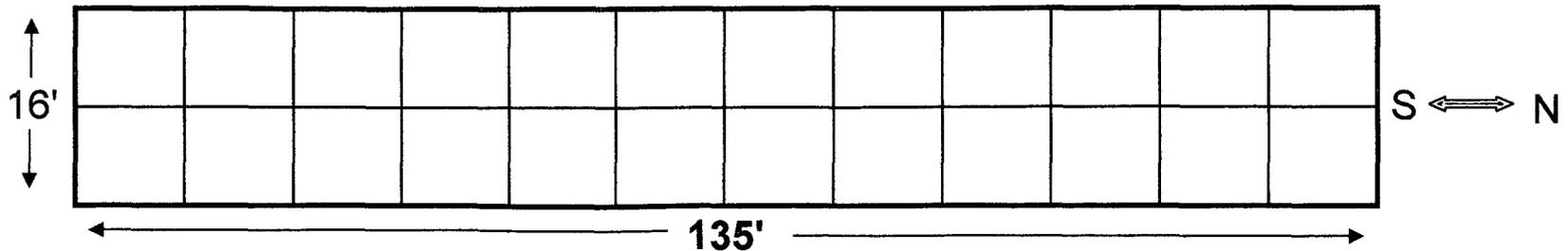
South Wall



East Wall

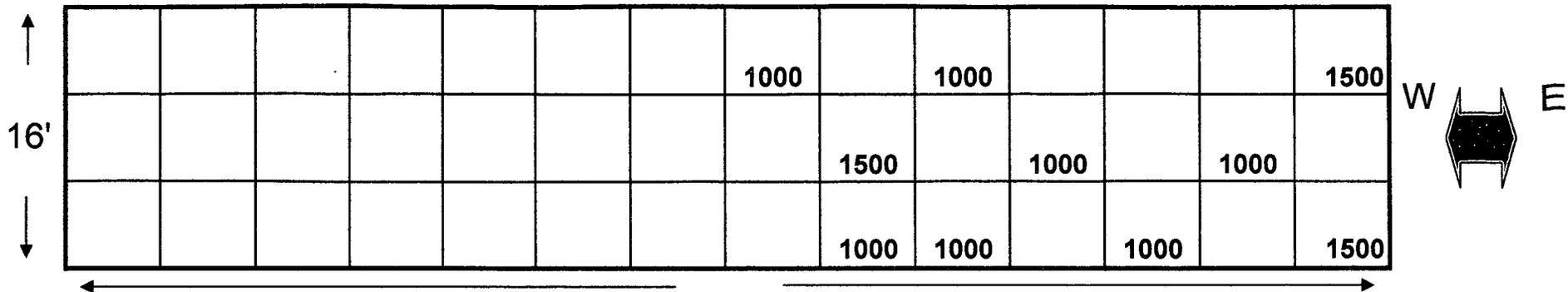


West Wall

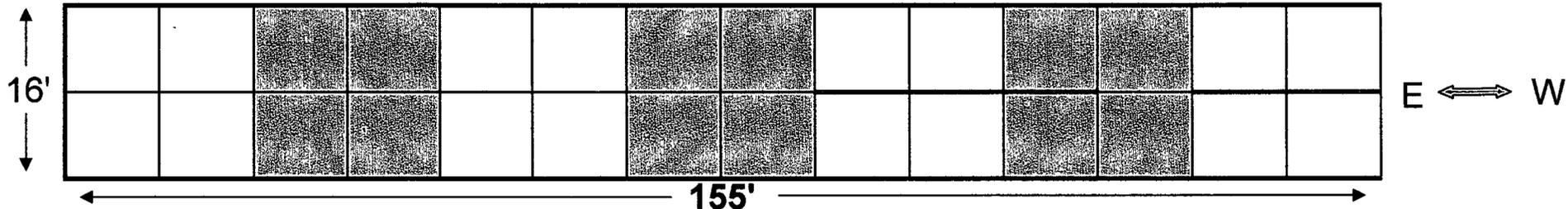


Wall Legend:
Each square is approx 8' x 11'
South wall shaded area = original horse shoe
Samples were taken 6" into wall

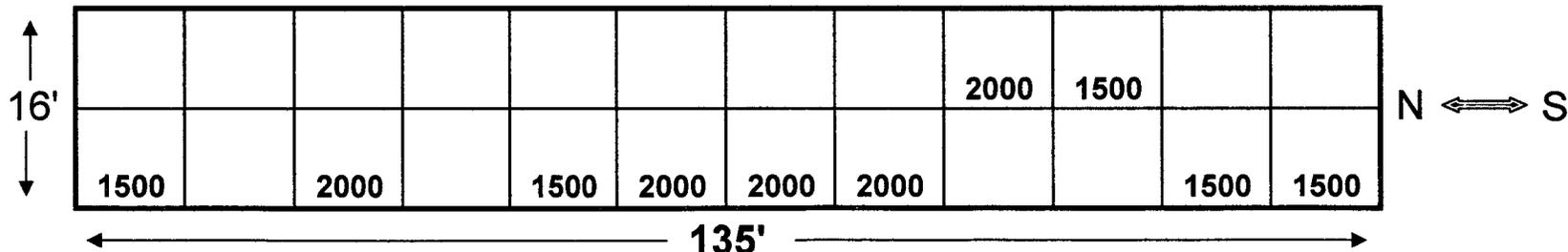
Crawford 26 #2 Drilling Pit
Walls -- 10/13/06
North Wall



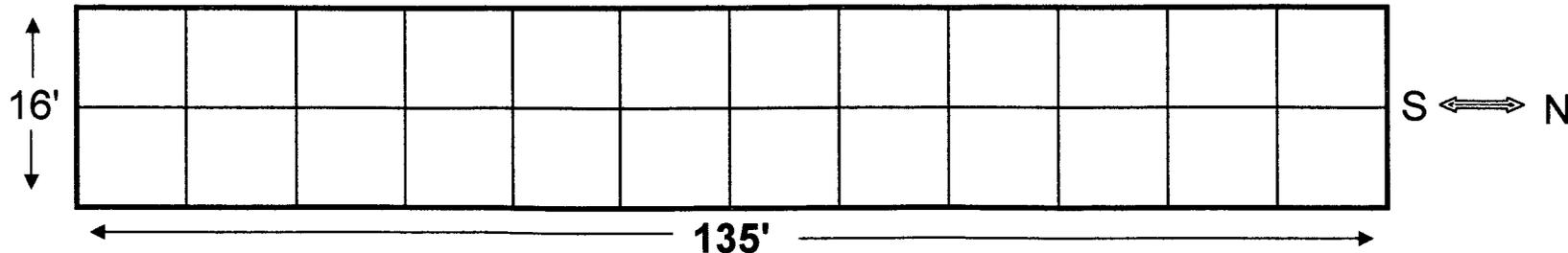
South Wall



East Wall



West Wall



Wall Legend:

Each square is approx 8' x 11'

South wall shaded area = original horse shoe

Samples were taken 6" into wall

SOIL TN LTGYTN CRM VEG
CALCARETIOUS MARL SM
ANHYDRIC SM W/GYP INCL
DRY WHEN COLLECTED
STRNG REACTION TO
ACID GYP & GELLATNOUS
CLAY RESUIDUE NO
VIS ORGANIC ALLOCHEM
POWDERY

SOIL A/A

CLAY LTN OFFWH LTGY
AMORPH ANHYDRIC CALC
IP SLIGHTLY MOIST @
COLLECTION

CLAY LTGYTN CRM OFFWH
SFT PLASTIC NON REACT
TO ACID SM ANHY INCLS
DEFORMS WELL

SOIL OFFWH LTCRM POWDER
DRY WHEN COLLECTED
CALCARIOUS MARL PROB
ARAGONITE /VADOS?

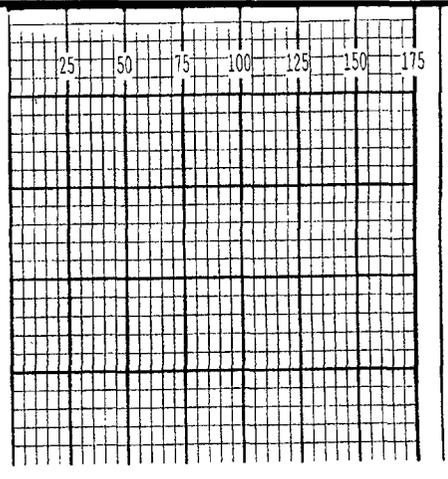
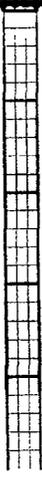
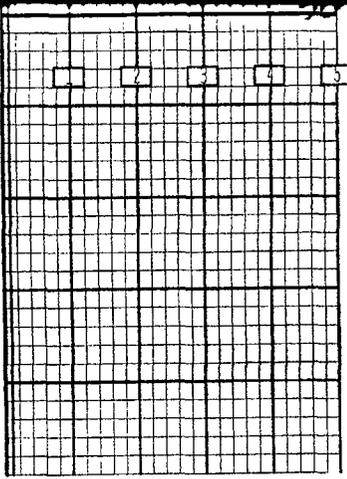
SOIL A/A ABNDT SML ANHY
GLASSY PARTICALS SM
AS INCLSN DRY WHEN
SAMPLED

SOIL LTGYTN CLAY SM
ANHYDRN IP PLASTIC
CALCARIOUS IP PLASTIC

TD NOTE NO FLUID INTRY
AFTRE 24 HRS*****

25 50 75 100 125 150 175

25 50 75 100 125 150 175



Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 14, 2006

Work Order: 6111012



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County, Nm

30-015-33228

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108545	1A-21'	soil	2006-11-09	10:25	2006-11-10
108546	2A-22'	soil	2006-11-09	10:30	2006-11-10
108547	3A-23'	soil	2006-11-09	10:35	2006-11-10
108548	4A-24'	soil	2006-11-09	10:40	2006-11-10
108549	5A-25'	soil	2006-11-09	10:45	2006-11-10
108550	6A-26'	soil	2006-11-09	10:50	2006-11-10
108551	7A-27'	soil	2006-11-09	10:55	2006-11-10
108552	8A-28'	soil	2006-11-09	11:00	2006-11-10
108553	9A-29'	soil	2006-11-09	11:05	2006-11-10
108554	10A-30'	soil	2006-11-09	11:10	2006-11-10
108555	1B-21'	soil	2006-11-09	11:30	2006-11-10
108556	2B-22'	soil	2006-11-09	11:35	2006-11-10
108557	3B-23'	soil	2006-11-09	11:40	2006-11-10
108558	4B-24'	soil	2006-11-09	11:45	2006-11-10
108559	5B-25'	soil	2006-11-09	11:50	2006-11-10
108560	6B-26'	soil	2006-11-09	11:55	2006-11-10
108561	7B-27'	soil	2006-11-09	12:00	2006-11-10
108562	8B-28'	soil	2006-11-09	12:05	2006-11-10
108563	9B-29'	soil	2006-11-09	12:10	2006-11-10
108564	10B-30'	soil	2006-11-09	12:15	2006-11-10
108565	1C-21'	soil	2006-11-09	12:45	2006-11-10
108566	2C-22'	soil	2006-11-09	12:50	2006-11-10
108567	3C-23'	soil	2006-11-09	12:55	2006-11-10
108568	4C-24'	soil	2006-11-09	13:00	2006-11-10

Sample: 108545 - 1A-21'

Param	Flag	Result	Units	RL
Chloride		12700	mg/Kg	2.00

Sample: 108546 - 2A-22'

Param	Flag	Result	Units	RL
Chloride		11000	mg/Kg	2.00

Sample: 108547 - 3A-23'

Param	Flag	Result	Units	RL
Chloride		12000	mg/Kg	2.00

Sample: 108548 - 4A-24'

Param	Flag	Result	Units	RL
Chloride		12000	mg/Kg	2.00

Sample: 108549 - 5A-25'

Param	Flag	Result	Units	RL
Chloride		10400	mg/Kg	2.00

Sample: 108550 - 6A-26'

Param	Flag	Result	Units	RL
Chloride		9320	mg/Kg	2.00

Sample: 108551 - 7A-27'

Param	Flag	Result	Units	RL
Chloride		9660	mg/Kg	2.00

Sample: 108552 - 8A-28'

Param	Flag	Result	Units	RL
Chloride		5380	mg/Kg	2.00

Sample: 108553 - 9A-29'

Param	Flag	Result	Units	RL
Chloride		6910	mg/Kg	2.00

Sample: 108554 - 10A-30'

Param	Flag	Result	Units	RL
Chloride		4370	mg/Kg	2.00

Sample: 108555 - 1B-21'

Param	Flag	Result	Units	RL
Chloride		6850	mg/Kg	2.00

Sample: 108556 - 2B-22'

Param	Flag	Result	Units	RL
Chloride		6690	mg/Kg	2.00

Sample: 108557 - 3B-23'

Param	Flag	Result	Units	RL
Chloride		9540	mg/Kg	2.00

Sample: 108558 - 4B-24'

Param	Flag	Result	Units	RL
Chloride		8040	mg/Kg	2.00

Sample: 108559 - 5B-25'

Param	Flag	Result	Units	RL
Chloride		8330	mg/Kg	2.00

Sample: 108560 - 6B-26'

Param	Flag	Result	Units	RL
Chloride		8200	mg/Kg	2.00

Sample: 108561 - 7B-27'

Param	Flag	Result	Units	RL
Chloride		7140	mg/Kg	2.00

Sample: 108562 - 8B-28'

Param	Flag	Result	Units	RL
Chloride		6860	mg/Kg	2.00

Sample: 108563 - 9B-29'

Param	Flag	Result	Units	RL
Chloride		4960	mg/Kg	2.00

Sample: 108564 - 10B-30'

Param	Flag	Result	Units	RL
Chloride		2760	mg/Kg	2.00

Sample: 108565 - 1C-21'

Param	Flag	Result	Units	RL
Chloride		71.1	mg/Kg	2.00

Sample: 108566 - 2C-22'

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 108567 - 3C-23'

Param	Flag	Result	Units	RL
Chloride		66.4	mg/Kg	2.00

Sample: 108568 - 4C-24'

Param	Flag	Result	Units	RL
Chloride		52.1	mg/Kg	2.00



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

Report Date: November 14, 2006

Work Order: 6111012



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County, Nm

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
108545	1A-21'	soil	2006-11-09	10:25	2006-11-10
108546	2A-22'	soil	2006-11-09	10:30	2006-11-10
108547	3A-23'	soil	2006-11-09	10:35	2006-11-10
108548	4A-24'	soil	2006-11-09	10:40	2006-11-10
108549	5A-25'	soil	2006-11-09	10:45	2006-11-10
108550	6A-26'	soil	2006-11-09	10:50	2006-11-10
108551	7A-27'	soil	2006-11-09	10:55	2006-11-10
108552	8A-28'	soil	2006-11-09	11:00	2006-11-10
108553	9A-29'	soil	2006-11-09	11:05	2006-11-10
108554	10A-30'	soil	2006-11-09	11:10	2006-11-10
108555	1B-21'	soil	2006-11-09	11:30	2006-11-10
108556	2B-22'	soil	2006-11-09	11:35	2006-11-10
108557	3B-23'	soil	2006-11-09	11:40	2006-11-10
108558	4B-24'	soil	2006-11-09	11:45	2006-11-10
108559	5B-25'	soil	2006-11-09	11:50	2006-11-10
108560	6B-26'	soil	2006-11-09	11:55	2006-11-10
108561	7B-27'	soil	2006-11-09	12:00	2006-11-10
108562	8B-28'	soil	2006-11-09	12:05	2006-11-10
108563	9B-29'	soil	2006-11-09	12:10	2006-11-10
108564	10B-30'	soil	2006-11-09	12:15	2006-11-10
108565	1C-21'	soil	2006-11-09	12:45	2006-11-10
108566	2C-22'	soil	2006-11-09	12:50	2006-11-10
108567	3C-23'	soil	2006-11-09	12:55	2006-11-10
108568	4C-24'	soil	2006-11-09	13:00	2006-11-10

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

A handwritten signature in black ink, appearing to read "Blair", written in a cursive style.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 108545 - 1A-21'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12700	mg/Kg	25	2.00

Sample: 108546 - 2A-22'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11000	mg/Kg	25	2.00

Sample: 108547 - 3A-23'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12000	mg/Kg	25	2.00

Sample: 108548 - 4A-24'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12000	mg/Kg	25	2.00

Sample: 108549 - 5A-25'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10400	mg/Kg	25	2.00

Sample: 108550 - 6A-26'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9320	mg/Kg	25	2.00

Sample: 108551 - 7A-27'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9660	mg/Kg	25	2.00

Sample: 108552 - 8A-28'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5380	mg/Kg	25	2.00

Sample: 108553 - 9A-29'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6910	mg/Kg	25	2.00

Sample: 108554 - 10A-30'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27745 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4370	mg/Kg	25	2.00

Sample: 108555 - 1B-21'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6850	mg/Kg	25	2.00

Sample: 108556 - 2B-22'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6690	mg/Kg	25	2.00

Sample: 108557 - 3B-23'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9540	mg/Kg	25	2.00

Sample: 108558 - 4B-24'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8040	mg/Kg	25	2.00

Sample: 108559 - 5B-25'

Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8330	mg/Kg	25	2.00

Sample: 108560 - 6B-26'

Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8200	mg/Kg	25	2.00

Sample: 108561 - 7B-27'

Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		7140	mg/Kg	25	2.00

Sample: 108562 - 8B-28'

Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6860	mg/Kg	25	2.00

Sample: 108563 - 9B-29'

Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4960	mg/Kg	25	2.00

Sample: 108564 - 10B-30'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27746 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2760	mg/Kg	25	2.00

Sample: 108565 - 1C-21'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27743 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		71.1	mg/Kg	25	2.00

Sample: 108566 - 2C-22'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27743 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 108567 - 3C-23'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27743 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		66.4	mg/Kg	25	2.00

Sample: 108568 - 4C-24'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM
Prep Batch: 27743 Sample Preparation: 2006-11-13 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		52.1	mg/Kg	25	2.00

Method Blank (1) QC Batch: 31859

QC Batch: 31859
 Prep Batch: 27743

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 31861

QC Batch: 31861
 Prep Batch: 27745

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 31862

QC Batch: 31862
 Prep Batch: 27746

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 31859
 Prep Batch: 27743

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	96.5	mg/Kg	1	100	<0.500	96	85 - 115

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	100	mg/Kg	1	100	<0.500	100	85 - 115	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 31861
 Prep Batch: 27745

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	95.2	mg/Kg	1	100	<0.500	95	85 - 115

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	96.7	mg/Kg	1	100	<0.500	97	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 31862
 Prep Batch: 27746

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.0	mg/Kg	1	100	<0.500	99	85 - 115

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	105	mg/Kg	1	100	<0.500	105	85 - 115	6	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: 108568

QC Batch: 31859
 Prep Batch: 27743

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2390	mg/Kg	25	2500	52.133	94	70 - 130

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	2230	mg/Kg	25	2500	52.133	87	70 - 130	7	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: 108554

QC Batch: 31861
 Prep Batch: 27745

Date Analyzed: 2006-11-13
 QC Preparation: 2006-11-13

Analyzed By: SM
 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6510	mg/Kg	25	2500	4372.69	85	70 - 130

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	6770	mg/Kg	25	2500	4372.69	96	70 - 130	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: 108564

QC Batch: 31862 Date Analyzed: 2006-11-13 Analyzed By: SM
 Prep Batch: 27746 QC Preparation: 2006-11-13 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5300	mg/Kg	25	2500	2757.32	102	70 - 130

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	5090	mg/Kg	25	2500	2757.32	93	70 - 130	4	20

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

Standard (ICV-1)

QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.2	98	85 - 115	2006-11-13

Standard (CCV-1)

QC Batch: 31859 Date Analyzed: 2006-11-13 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2006-11-13

Standard (ICV-1)

QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2006-11-13

Standard (CCV-1)

QC Batch: 31861 Date Analyzed: 2006-11-13 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.5	98	85 - 115	2006-11-13

Standard (ICV-1)

QC Batch: 31862

Date Analyzed: 2006-11-13

Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2006-11-13

Standard (CCV-1)

QC Batch: 31862

Date Analyzed: 2006-11-13

Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2006-11-13

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LAB Order ID # 4111012 Page 1 of 3

Trace Analysis, Inc.

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200 East Sunset Rd., Suite E
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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: UPM Phone #: 505-200-5345
 Address: 307 S Mesa Carlsbad Nm 88800 Fax #: ---
 Contact Person: Dorsey Rogers E-mail: valleyenergy@plataenergy.com
 Invoice to: ---
 Project #: ---
 Project Name: Crawford 26 Fed #2
 Project Location (including state): Eddy County, NM Sampler Signature: [Signature]
Unit B S26-24S-26E

LAB #	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418 1 / TX1005 / TX1005 EXK(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007	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	
108545	1A-21CE	1	4oz	WATER	HNO ₃	11/9/06	10:35																			
46	2A-22CE	1	4oz	WATER	HNO ₃	11/9/06	10:30																			
47	3A-23FE	1	4oz	WATER	HNO ₃	11/9/06	10:35																			
48	4A-24FE	1	4oz	WATER	HNO ₃	11/9/06	10:40																			
49	5A-25FE	1	4oz	WATER	HNO ₃	11/9/06	10:45																			
50	6A-26FE	1	4oz	WATER	HNO ₃	11/9/06	10:50																			
51	7A-27FE	1	4oz	WATER	HNO ₃	11/9/06	10:55																			
52	8A-28FE	1	4oz	WATER	HNO ₃	11/9/06	11:00																			
53	9A-29FE	1	4oz	WATER	HNO ₃	11/9/06	11:05																			
54	10A-30FE	1	4oz	WATER	HNO ₃	11/9/06	11:10																			
55	1B-21FL	1	4oz	WATER	HNO ₃	11/9/06	11:30A																			

LAB USE ONLY

Intact Y N
 Headspace Y N
 Temp RT
 Log-in-Review SR

REMARKS: RUSTY

Carrier # 1114 RUS 571 E

Relinquished by: [Signature] Date: 11/9/06 Time: 4:58
 Received by: UPS Date: --- Time: ---

Relinquished by: [Signature] Date: 11/9/06 Time: 4:15
 Received by: [Signature] Date: 11-10-06 Time: 10:10

Received at Laboratory by: [Signature] Date: --- Time: ---

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

ORIGINAL COPY LAB Order ID # 6111012 Page 2 of 3

TraceAnalysis, Inc.
email lab@traceanalysis.com

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1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft Worth, Texas 76132
Tel (817) 201-5250

Company Name: UNOVED
Address: (Street, City, Zip)
2015 Mesa (unlabeled) NM 88320
Contact Person: Dorsey Rogers
Phone #: 505 300 5345
Fax #:
E-mail: unolab@traceanalysis.com
Invoice to: (If different from above)
Project #:

Project Location (including state): Unlabeled Salinas Ave Eddy County
Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ O ₂	NaOH	ICE	NONE
108556	ZB - 22 FE	1	4oz	✓								11/9/06	1135
57	ZB - 23 FE	1	4oz	✓								11/9/06	1140
58	ZB - 24 FE	1	4oz	✓								11/9/06	1145
59	ZB - 25 FE	1	4oz	✓								11/9/06	1150
60	ZB - 26 FE	1	4oz	✓								11/9/06	1155
61	ZB - 27 FE	1	4oz	✓								11/9/06	1200
62	ZB - 28 FE	1	4oz	✓								11/9/06	1205
63	ZB - 29 FE	1	4oz	✓								11/9/06	1210
64	ZB - 30 FE	1	4oz	✓								11/9/06	1215
65	ZB - 21 FE	1	4oz	✓								11/9/06	1215
66	ZB - 22 FE	1	4oz	✓								11/9/06	1215

REMARKS: Hold

LAB USE ONLY

Intact N
Headspace Y N
Temp RT
Log-in-Review SA

Carrier # UPS 5164565815

Received by: UPS Date: 11-9-06 Time: 4:15P

Relinquished by: [Signature] Date: 11-9-06 Time: 4:15P

Relinquished by: [Signature] Date: 11-10-06 Time: 10:10

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

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LAB Order ID # 4111012 Page 3 of 3

Trace Analysis, Inc.
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1 (868) 588-3443

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

Company Name: Amarel Phone #: 805-280-5345
Address: 2015 Mesa Carlsbad Nm 88800 Fax #: _____
Contact Person: Dorsey Rogers E-mail: dorsey@amarel.com
Invoice to: _____
Project #: _____
Project Location (including state): Crawford 26 Fed #2
Sample Signature: [Signature]
Matrix: SLUDGE
Project Name: _____
Sample Signature: _____

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
10867	30-23FE	1	1/22	✓								11/9/06	1055
68	40-24FE	1	1/22	✓								11/9/06	1000 PM

ANALYSIS REQUEST
(Circle or Specify Method No.)

BOD TSS pH
 Pesticides 8081A / 808
 PCB's 8082 / 808
 GC/MS Semi Vol. 8270C / 625
 GC/MS Vol 8260B / 624
 RCI
 TCLP Pesticides
 TCLP Semi Volatiles
 TCLP Volatiles
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007
 PAH 8270C / 625
 TPH 8015 GRO / DRO / TVHC
 TPH 418 1 / TX1005 / TX1005 Ex(C35)
 BTEX 8021B / 602 / 8260B / 624
 MTBE 8021B / 602 / 8260B / 624

Turn Around Time if different from standard _____

LAB USE ONLY

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Intact: Y/N
 Headspace: Y/N
 Temp: Y/N
 Log-In-Review: SP

Carrier # UP 50104. 515 591 5

Relinquished by: _____ Date: _____ Time: _____
 Received by: UPB Date: 11-9-06 Time: 4:50

Relinquished by: _____ Date: _____ Time: _____
 Received by: [Signature] Date: 11-10-06 Time: 10:10

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

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 6, 2006

Work Order: 6110608



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County,Nm

30-015-33228

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
107882	1A	soil	2006-11-01	13:30	2006-11-06
107883	2A	soil	2006-11-01	13:35	2006-11-06
107884	3A	soil	2006-11-01	13:40	2006-11-06
107885	4A	soil	2006-11-01	13:45	2006-11-06
107886	1B	soil	2006-11-01	13:50	2006-11-06
107887	2B	soil	2006-11-01	13:55	2006-11-06
107888	3B	soil	2006-11-01	14:00	2006-11-06
107889	4B	soil	2006-11-01	14:05	2006-11-06

Sample: 107882 - 1A

Param	Flag	Result	Units	RL
Chloride		11000	mg/Kg	2.00

Sample: 107883 - 2A

Param	Flag	Result	Units	RL
Chloride		8980	mg/Kg	2.00

Sample: 107884 - 3A

Param	Flag	Result	Units	RL
Chloride		11900	mg/Kg	2.00

Sample: 107885 - 4A

Param	Flag	Result	Units	RL
Chloride		11500	mg/Kg	2.00

Sample: 107886 - 1B

Param	Flag	Result	Units	RL
Chloride		9280	mg/Kg	2.00

Sample: 107887 - 2B

Param	Flag	Result	Units	RL
Chloride		7490	mg/Kg	2.00

Sample: 107888 - 3B

Param	Flag	Result	Units	RL
Chloride		7440	mg/Kg	2.00

Sample: 107889 - 4B

Param	Flag	Result	Units	RL
Chloride		7560	mg/Kg	2.00



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E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: November 6, 2006

Work Order: 6110608



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County, Nm

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
107882	1A	soil	2006-11-01	13:30	2006-11-06
107883	2A	soil	2006-11-01	13:35	2006-11-06
107884	3A	soil	2006-11-01	13:40	2006-11-06
107885	4A	soil	2006-11-01	13:45	2006-11-06
107886	1B	soil	2006-11-01	13:50	2006-11-06
107887	2B	soil	2006-11-01	13:55	2006-11-06
107888	3B	soil	2006-11-01	14:00	2006-11-06
107889	4B	soil	2006-11-01	14:05	2006-11-06

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

Dr. Blair Leftwich, Director

Analytical Report

Sample: 107882 - 1A

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11000	mg/Kg	25	2.00

Sample: 107883 - 2A

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8980	mg/Kg	25	2.00

Sample: 107884 - 3A

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11900	mg/Kg	25	2.00

Sample: 107885 - 4A

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11500	mg/Kg	25	2.00

Sample: 107886 - 1B

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9280	mg/Kg	25	2.00

Sample: 107887 - 2B

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		7490	mg/Kg	25	2.00

Sample: 107888 - 3B

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		7440	mg/Kg	25	2.00

Sample: 107889 - 4B

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 Sample Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		7560	mg/Kg	25	2.00

Method Blank (1) QC Batch: 31552

QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 QC Preparation: 2006-11-06 Prepared By: SM

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 QC Preparation: 2006-11-06 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	96.4	mg/Kg	1	100	<0.500	96	85 - 115

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	97.7	mg/Kg	1	100	<0.500	98	85 - 115	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: 107888

QC Batch: 31552 Date Analyzed: 2006-11-06 Analyzed By: SM
 Prep Batch: 27478 QC Preparation: 2006-11-06 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 8970	mg/Kg	25	2500	7441.51	61	70 - 130

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 9070	mg/Kg	25	2500	7441.51	65	70 - 130	1	20

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

Standard (ICV-1)

QC Batch: 31552 Date Analyzed: 2006-11-06 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	2006-11-06

Standard (CCV-1)

QC Batch: 31552 Date Analyzed: 2006-11-06 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	2006-11-06

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

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

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Lubbock, Texas 79424
Tel: (806) 794-1296
Fax: (806) 794-1298
1-800-378-1296
email: lab@traceanalysis.com

Company Name: Trace Analysis
Address: 207 S. Mossgate Blvd, Mesquite, NM
Contact Person: Trace Analysis
Invoice to: Trace Analysis
(If different from above)
Project #: 6110608

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

Phone #: 725-200-5315
Fax #: 725-200-5315
E-mail: lab@traceanalysis.com

Project Name: EDDY COUNTY, NM
Sampler Signature: [Signature]

Project Location (including state): EDDY COUNTY, NM
City: MESQUITE

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 6110608

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624
BTEX 8021B / 602 / 8260B / 624
TPH 418 / TX1005 / TX1005 Ext(C35)
TPH 8015 GRO / DRO / TVHC
PAH 8270C / 625
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007
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

LAB # (LAB USE) (ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING TIME	REMARKS
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH		
107882	1A	1	4oz									11-06-06 130	
83	3A	1	4oz									11-06-06 135	
84	3A	1	4oz									11-06-06 140	
85	4A	1	4oz									11-06-06 145	
86	1B	1	4oz									11-06-06 150	
87	2B	1	4oz									11-06-06 155	
88	3B	1	4oz									11-06-06 200	
89	4B	1	4oz									11-06-06 205	

Relinquished by: [Signature] Date: 11-30-06 Time: 4:15 PM
Received by: [Signature] Date: 11-30-06 Time: 4:15 PM

Relinquished by: [Signature] Date: 11-06-06 Time: 9:30
Received by: [Signature] Date: 11-06-06 Time: 9:30

LAB USE ONLY
Intact: Y / N
Headspace: Y / N
Temp: RM / NC
Log-in-Review: [Signature]

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # 415 1Z76246E 221004 614

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

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, November 28, 2006 2:45 PM
To: 'dorseyrogers@aol.com'
Cc: Price, Wayne, EMNRD; Gum, Tim, EMNRD; VonGonten, Glenn, EMNRD
Subject: Cimarex Crawford 26 #2 Drilling Pit

Cimarex Energy Co.
207 S. Mesa
Carlsbad NM 88220
ATTN: Dorsey Rogers

Reference: Crawford 26 - 002 API: 30-015-33228 B-26-24s-26e

Dear Mr. Rogers,

The drilling pit at the above referenced well site is currently excavated to approximately 16' below ground surface (bgs). Sample analyses have identified chloride contaminant levels of 4,370 mg/kg to be present at 30' bgs. At this time the New Mexico Oil Conservation Division is requesting a complete delineation of this pit area. Target chloride delineation levels are 250 mg/kg.

Please commence delineation operations no later than December 12, 2006.
Notify the NMOCD District 2 office 24 hours prior to commence of operations.
Notify the NMOCD District 2 office immediately in the event ground water is encountered.

If I can be of assistance in this matter, please contact me.

Sincerely,

Mike Bratcher

NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
(505) 748-1283 Ext. 108
(505) 626-0857
mike.bratcher@state.nm.us

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, November 28, 2006 11:13 AM
To: Price, Wayne, EMNRD
Cc: VonGonten, Glenn, EMNRD; Gum, Tim, EMNRD
Subject: Cimarex Drilling Pit

Wayne,

The pit you, Tim and I discussed this morning is:

Cimarex Energy Co. of Colorado (OGRID 162683)
Crawford 26 # 002 API: 30-015-33228 B-26-24s-26e Eddy County

Just a quick overview, the drilling pit has been completely excavated to 16' bgs. Samples showed several hot spots at the 16' bgs bottom of the pit excavation (around 11,000 - 12,000 mg/kg chlorides). Test holes were advanced in these areas to 30' and samples obtained at 1' intervals. Test hole A at 17' bgs (1' below pit bottom) was 11,000. All samples from 19' to 25' were in the 11,000 - 12,000 range. Sample at 26' was 9,320 and the 30' sample was 4,370. Test hole B was not quite as hot, but ranged from 9,280 at 17' to 2,760 at 30'. Test hole C was only advanced to 20' with all samples testing less than 100 mg/kg.

I will have them delineate to 250 mg/kg or until ground water is encountered.

Thanks,

Mike Bratcher

Crawford 26 #2 Drilling Pit
Floor -- 10/20/06

		A					B						
	7.45			4.56					719		1430		
4.56				5.8								2540	
6.62				28.6						3540			
	9.52	12.8					10400		8620		2310		
17		455				10300				4820			442
			7100				12600	6620			191		
135'							11500	2010					
									6460				
		1070	3090	5740	7660						17.4		12.3
	1310		5530	4930	12600	4660	4510		11300		581		765
	2910						3700		4080				810
	2910										12		
		C					D						



N

Legend:

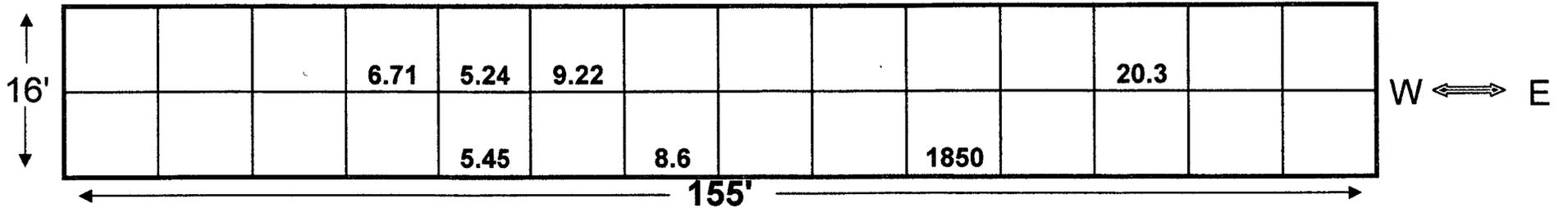
Each square is 11' x 11' approx

Drilling pit floor is approx 155' x 135' x 16'

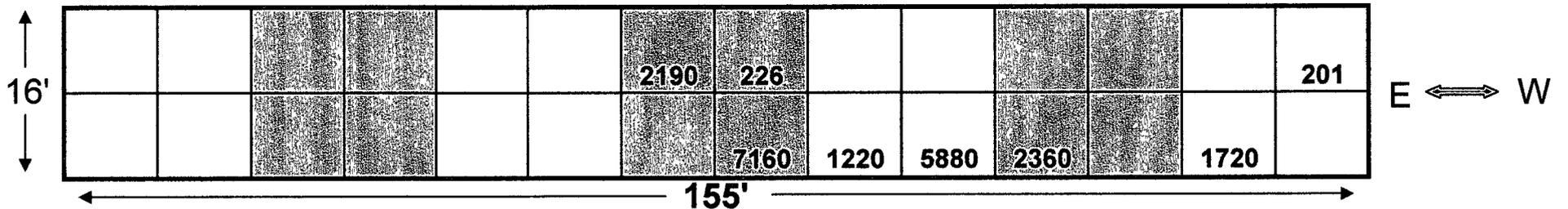
Shaded area = original horse shoe

Samples were taken 1' below floor surface

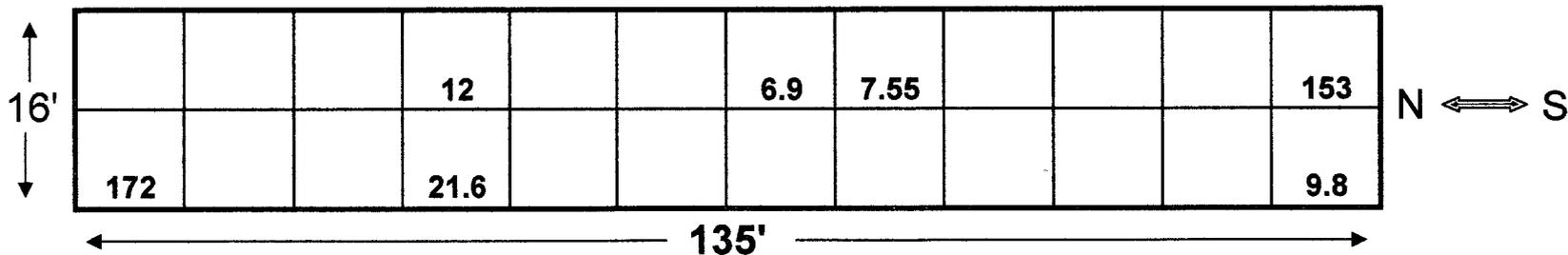
Crawford 26 #2 Drilling Pit
Walls -- 10/20/06
North Wall



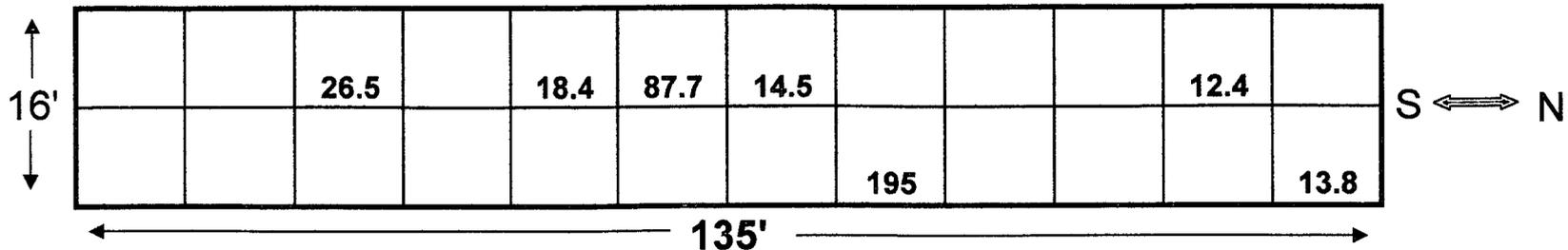
South Wall



East Wall



West Wall



Wall Legend:

Each square is approx 8' x 11'

South wall shaded area = original horse shoe

Samples were taken 6" into wall



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Copy

24-Jul-06

CIMAREX ENERGY CO OF COLORADO
P O BOX 1237
EUNICE NM 88231

LETTER OF VIOLATION - Inspection
LOV NO. 20623

Dear Operator:

The following inspection(s) indicate that the well, equipment, location or operational status of the well(s) failed to meet standards of the New Mexico Oil Conservation Division as described in the detail section below. To comply with standards imposed by Rules and Regulations of the Division, corrective action must be taken immediately and the situation brought into compliance. The detail section indicates preliminary findings and/or probable nature of the violation. This determination is based on an inspection of your well or facility by an inspector employed by the Oil Conservation Division on the date(s) indicated.

Please notify the proper district office of the Division, in writing, of the date corrective actions are scheduled to be made so that arrangements can be made to reinspect the well and/or facility.

INSPECTION DETAIL SECTION

Table with 7 columns: Inspection Date, Type Inspection, Inspector, Violation?, *Significant Non-Compliance?, Corrective Action Due By, Inspection No. Row 1: CRAWFORD 26 No.002, 07/19/2006, Routine/Periodic, Richard Inge, Yes, No, 8/24/2006, iREI0620045643. Comments on Inspection: Pit still on location. Violation of Rule 50. Lining down to fluid level at west end. Possible rule 116 violation. Fence up around pit, but dirt piled up at north-east corner over fence. Rule 50 violation.

Handwritten mark resembling the letter 'I' inside a circle.

In the event that a satisfactory response is not received to this letter of direction by the "Corrective Action Due By:" date shown above, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,

RICHARD INGE

Artesia OCD District Office

Note: Information in Detail Section comes directly from field inspector data entries - not all blanks will contain data.
*Significant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas.

Crawford 26 #2 Drilling Pit
Floor -- 10/20/06

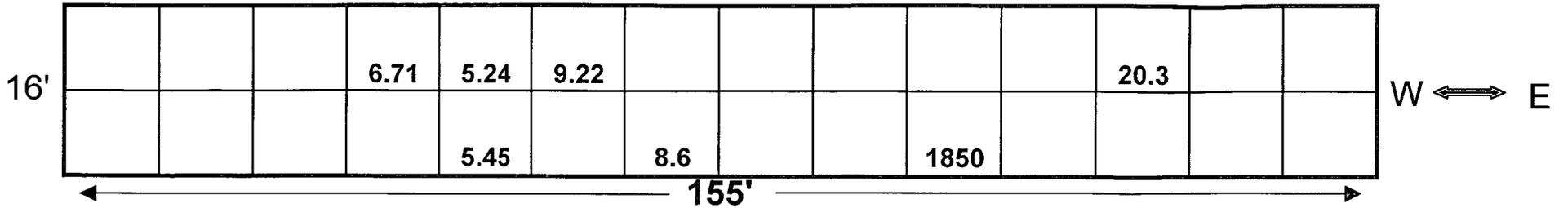
	7.45			4.56					719		1430		
4.56				5.8								2540	
6.62				28.6						3540			
	9.52	12.8					10400		8620		2310		
17		455				10300				4820			442
			7100				12600	6620			191		
135'							11500	2010					
									6460				
		1070	3090	5740	7660						17.4		12.3
	1310		5530	4930	12600	4660	4510		11300		581		765
	2910						3700		4080				810
	2910										12		



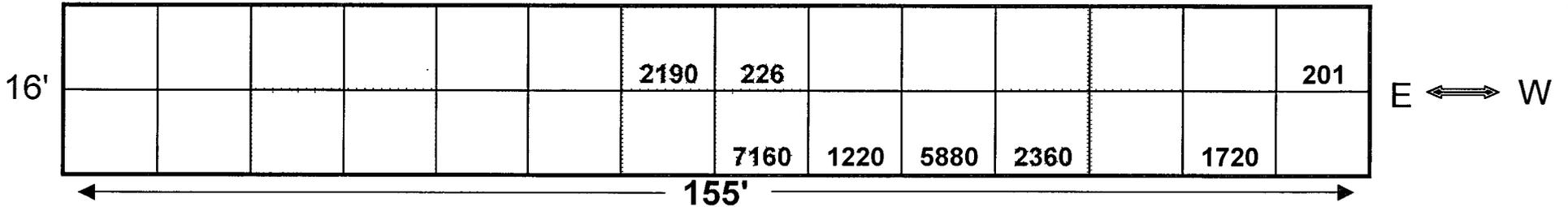
N

Legend:
 Each square is 11' x 11' approx
 Drilling pit floor is approx 155' x 135'
 Shaded area = original horse shoe

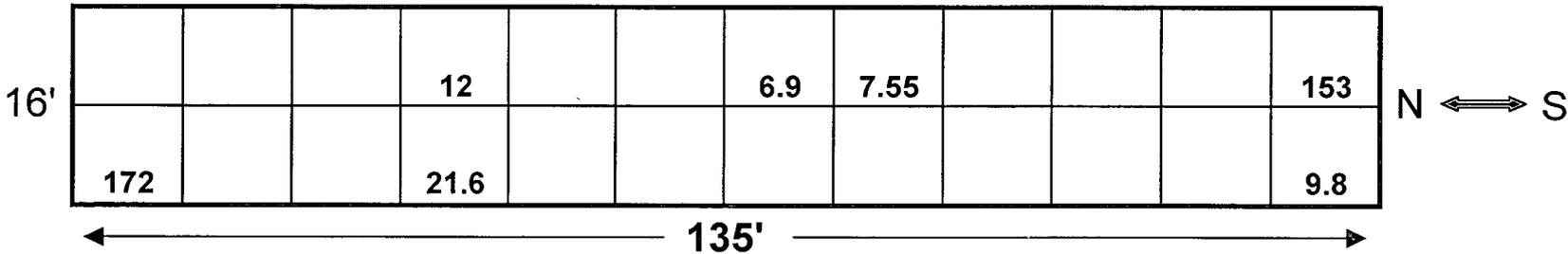
Crawford 26 #2 Drilling Pit
Walls -- 10/20/06
North Wall



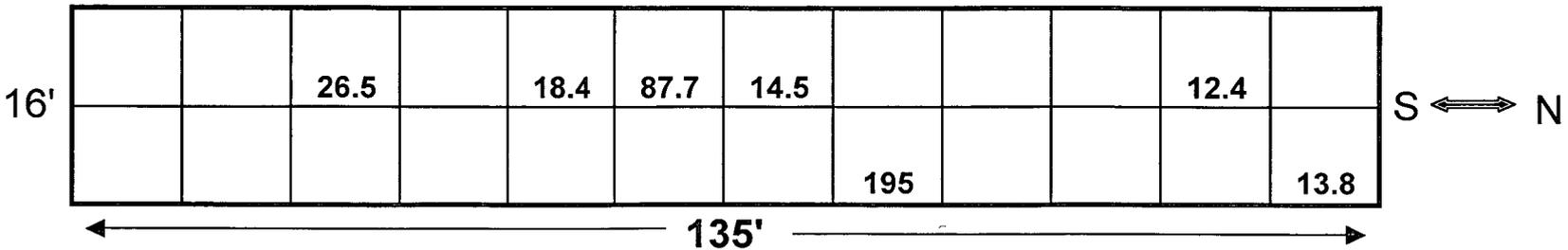
South Wall



East Wall



West Wall



Wall Legend:

Each square is approx 8' x 11'

South wall shaded area = original horse shoe

Samples taken 6" into wall

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., 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-103
 May 27, 2004

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO.
 30-015-33228
 5. Indicate Type of Lease
 STATE FEE
 6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
 1. Type of Well: Oil Well Gas Well Other

7. Lease Name or Unit Agreement Name
 Crawford 26
 8. Well Number
 002

2. Name of Operator
 Gruy Petroleum Management Co.

9. OGRID Number
 162683

3. Address of Operator
 PO Box 140904; Irving, TX 75014

10. Pool name or Wildcat
 White City; Penn (Gas) 87280

4. Well Location
 Unit Letter B : 990' feet from the North line and 1980' feet from the East line
 Section 26 Township 24S Range 26E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 3271' GR

Pit or Below-grade Tank Application or Closure N/A
 Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
 Pit Liner Thickness: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input checked="" type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 06-25-04 In 12-1/4" hole, ran 88 jts 9-5/8" 36# J-55 STC casing to 3825'. Cemented with lead 950 sx Class C + 3% Metasilicate + 0.25 pps Celloflake and tail 200 sx Class C + 2% CaCl. Did not circulate cement to pit. Waited on temperature survey - estimated at 1195', but wanted to run another.
- 06-26-04 Ran second temperature survey and estimated top of cement at 44'. Tested casing to 2500psi. WOC 19.75 hours.
- 07-22-05 In 8-3/4" hole, ran 205 jts 5-1/2" 17# P-110 LTC casing.
- 07-23-05 Finished running casing to 11840'. Cemented first stage with lead 360 sx Class H + 1.0% FL-52 + 3.0% SMS + 1.6% R-3 + 3 PPS Gilsonite and tail 415 sx Class C + 1.0% FL-52 + 3.0% SMS + 1.6% R-3. Cemented second stage with 650 sx Class C + 0.7% FL-52 + 0.7% FL-25 + 0.2% CD-32 + 0.1% SMS. Full returns throughout job. Calculated TOC 2526'. Tested casing to 2350psi. Released rig at 23:00 07-23-04.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit or an (attached) alternative OCD-approved plan .

SIGNATURE Natalie Krueger TITLE Regulatory Analyst DATE June 9, 2005

Type or print name Natalie Krueger email address: nkrueger@magnumhunter.com Telephone No. 972-401-3111
For State Use Only

APPROVED BY: _____ **FOR RECORDS ONLY** TITLE _____ DATE JUN 15 2005
 Conditions of Approval (if any): _____

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

COPY FROM WELL FILE

Form C-144
March 12, 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: Cimarex Energy Co. of Colorado Telephone: 972-443-6489 e-mail address: zfarris@cimarex.com
Address: P.O. Box 140907, Irving, Tx 75014-0907 30-015-33228-0000
Facility or well name: Crawford 26 No. 2 API #: 30-015-33448 U/L or Qtr/QtrB Sec26 T24S R26E
County: Eddy Latitude 321134.01 N Longitude 1041540.33 W NAD: 1927 1983 Surface Owner Federal State Private Indian

<p>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"/> Volume _____ bbl to be hauled</p>	<p>Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____</p>						
<p>Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>25'</u></p>	<table border="1"> <tr> <td>Less than 50 feet</td> <td>(20 points)</td> </tr> <tr> <td>50 feet or more, but less than 100 feet</td> <td>(10 points)</td> </tr> <tr> <td>100 feet or more</td> <td>(0 points)</td> </tr> </table>	Less than 50 feet	(20 points)	50 feet or more, but less than 100 feet	(10 points)	100 feet or more	(0 points)
Less than 50 feet	(20 points)						
50 feet or more, but less than 100 feet	(10 points)						
100 feet or more	(0 points)						
<p>Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)</p>	<table border="1"> <tr> <td>Yes</td> <td>(20 points)</td> </tr> <tr> <td>No</td> <td>(0 points)</td> </tr> </table>	Yes	(20 points)	No	(0 points)		
Yes	(20 points)						
No	(0 points)						
<p>Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)</p>	<table border="1"> <tr> <td>Less than 200 feet</td> <td>(20 points)</td> </tr> <tr> <td>200 feet or more, but less than 1000 feet</td> <td>(10 points)</td> </tr> <tr> <td>1000 feet or more</td> <td>(0 points)</td> </tr> </table>	Less than 200 feet	(20 points)	200 feet or more, but less than 1000 feet	(10 points)	1000 feet or more	(0 points)
Less than 200 feet	(20 points)						
200 feet or more, but less than 1000 feet	(10 points)						
1000 feet or more	(0 points)						
<p style="text-align: center;">?</p>	<p>Ranking Score (Total Points) 20</p>						

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: onsite offsite If offsite, name of facility CRC Disposal CRC? (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.

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: 07-31-06
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:
Date: 8/1/06
Printed Name/Title RICHARD INGE FIELD INSPECTOR Signature RICHARD INGE

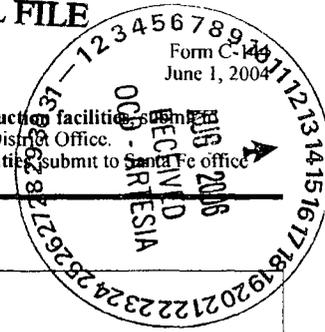
APPROVED WITH THE STIPULATION THAT SOIL SAMPLES BE TAKEN (AND RESULTS SENT TO US) WHERE THE LINER WAS BLOWN DOWN TO THE FLUID LEVEL. I BELIEVE THIS WAS THE SOUTH SIDE OF THE PIT. PLEASE NOTIFY THIS OFFICE WHEN THE ACTION IS COMPLETED. THANK YOU.

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



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: Cimarex Energy Co Telephone: 432-682-4429 e-mail address: kemm@naguss.com

Address: 7101 Norris Road, Carlsbad, NM 88220

Facility or well name: Crawford 26 No 2 APL#: 30-015-33228 U/E: or Qtr/Qtr Lot B Sec 26 T24S R26E 990' FNL and 1980' FEL

County: Eddy Latitude N Longitude W NAD: 1927 1983

Surface Owner: Federal State Private Indian

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: 12ml HDPE liner Clay <input type="checkbox"/> Pit Volume: 2400 bbl. Approximately	Below-grade tank N/A Volume: N/A bbl Type of fluid: N/A Construction material: N/A Double-walled, with leak detection? <input type="checkbox"/> If not, explain why not.									
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of groundwater.) High water elevation of groundwater range to approximately 20'.	<table border="1"> <tr> <td>Less than 50 feet</td> <td>(20 points)</td> <td>20 pts.</td> </tr> <tr> <td>50 feet or more, but less than 100 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>100 feet or more</td> <td>(0 points)</td> <td></td> </tr> </table>	Less than 50 feet	(20 points)	20 pts.	50 feet or more, but less than 100 feet	(10 points)		100 feet or more	(0 points)	
Less than 50 feet	(20 points)	20 pts.								
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.)	<table border="1"> <tr> <td>Yes <input checked="" type="checkbox"/></td> <td>(20 points)</td> <td>20 pts.</td> </tr> <tr> <td>No <input type="checkbox"/></td> <td>(0 points)</td> <td></td> </tr> </table>	Yes <input checked="" type="checkbox"/>	(20 points)	20 pts.	No <input type="checkbox"/>	(0 points)				
Yes <input checked="" type="checkbox"/>	(20 points)	20 pts.								
No <input type="checkbox"/>	(0 points)									
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	<table border="1"> <tr> <td>Less than 200 feet</td> <td>(20 points)</td> <td>20 pts.</td> </tr> <tr> <td>200 feet or more, but less than 1000 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>1000 feet or more</td> <td>(0 points)</td> <td></td> </tr> </table>	Less than 200 feet	(20 points)	20 pts.	200 feet or more, but less than 1000 feet	(10 points)		1000 feet or more	(0 points)	
Less than 200 feet	(20 points)	20 pts.								
200 feet or more, but less than 1000 feet	(10 points)									
1000 feet or more	(0 points)									
Ranking Score (Total Points)		60 pts.								

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks(submitted with Closure Report). **Digital Photos shall be submitted for before and after remediation activity.** (2) Indicate disposal location: **Lea Land, Inc.** offsite If offsite, name of facility: **Lea Land, Inc.** (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: **Please refer to the attached letter for detailed "Closure Plan" information and LOV 20623. Digital photos and sample location diagram shall be submitted in final closure documents.**

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: 14 August 2006

Printed Name/Title Dorsey Rogers, Drilling Superintendent

Signature *for Dorsey Rogers by C. Hindler*

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 *Nike Gratcher*

Nike Gratcher

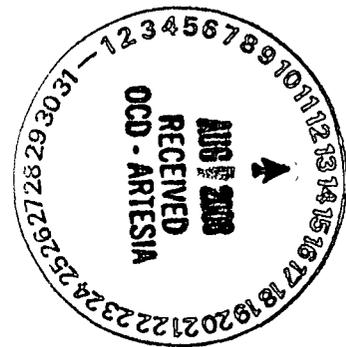
Signature *Nike Gratcher*

Nike Gratcher

Date *8/14/06*



Mr. Dorsey Rogers
Drilling Superintendent
CIMAREX ENERGY CO.
7101 Norris Road
Carlsbad, NM 88220



August 14, 2006

Mr. Richard Inge
OIL CONSERVATION DIVISION
1301 West Grand Avenue
Artesia, NM 88210

Re: Crawford 26, No. 2 Letter of Violation No. 20623, Inspection No. iREI0620045643

Dear Mr. Inge:

Pleased be advised we are in receipt of your 24 July 2006 Letter of Violation No. 20623 and herewith respond pursuant to the assessed violation of the New Mexico, Oil Conservation Division Rule 50 regarding Cimarex Energy Co.'s Crawford 26 No. 2 drilling pit (API No. 30-015-33228) located in U/L B S26 T24S, R26E, 990' FNL and 1980' FEL of Eddy County, New Mexico.

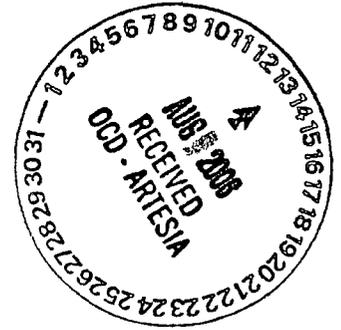
Cimarex Energy Co., hereinafter "Cimarex", intends to begin immediate closure of the Crawford 26, No. 2 drilling pit pursuant to New Mexico, OCD Rule 50 requirements. Attached to this transmittal is a copy of the Form C-144 and the "Closure Plan" submitted to Mr. Mike Bratcher of your office. As soon as the New Mexico, OCD authorizes closure of the above-described drilling pit, Cimarex will begin closure operations.

The estimated of time for closure of said drilling pit is described in the closure documents, however Cimarex might incur unknown conditions which may influence the specific time necessary to satisfactorily complete closure operations. Should such events or conditions arise, Cimarex will contact New Mexico, OCD immediately to discuss timelines or corrective actions denoted by the specific conditions at the time.

Thank you for your consideration. Should you have questions, please call 505-628-3447 (office) or 505-200-6105 (cell).

Sincerely,
for Dorsey Rogers by C. Finkler
Dorsey Rogers
Drilling Superintendent

cc: State of New Mexico, OCD, Form C-144



Mr. Dorsey Rogers
 Drilling Superintendent
 CIMAREX ENERGY CO.
 7101 Norris Road
 Carlsbad, NM 88220

August 14, 2006

Mr. Mike Bratcher
 OIL CONSERVATION DIVISION
 1301 West Grand Avenue
 Artesia, NM 88210

Re: Crawford 26, No. 2 Pit Closure Documents

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, enclosed herewith is the completed Form C-144, in addition to the "Closure Plan" for closure of the Cimarex Energy Co. hereinafter "Cimarex", Crawford 26, No. 2 drilling pit (API No. 30-015-33228) located in U/L B S26 T24S, R26E, 990' FNL and 1980' FEL of Eddy County, New Mexico.

INTRODUCTION

Remediation of the Cimarex Crawford 26, No. 2, hereinafter "Crawford 26", drilling pit is targeted to begin 15 August 2006 with completion expected by 28 August 2006, permitting weather and the occurrence of unexpected conditions not within the Operator's control do not create delays or exacerbate the proposed schedule in any way. Cimarex intends to maintain its commitment to environmental health and safety and fully comply with the Regulatory Performa of the State of New Mexico, OCD regarding this disposal action and permanent closure of the Crawford 26 drilling pit (see LOV No. 20623).

Potential, temporary contamination from the Crawford 26 drilling pit site, should any exist, resulted solely from oil and gas production activities. Potential contaminates of concern are typical mid to high-level concentrations of brines, typical polymers (such as xanthium gum and starch) and in general, drilling mud and fluids remaining upon completion of said drilling operations.

Area land use is primarily ranching with domestic pasturage and oil and gas production activities. The Cimarex, Crawford 26 drilling pit is located in an area wherein groundwater depth to surface demonstrates an average depth of approximately 20 feet predicated upon the State Engineer's Web Site data and its proximity to the Black River. Consequently, *insitu* disposal is not being considered for the Crawford 26 drilling pit closure to ensure compliant environmental performance and reduction of liability in this water sensitive, designated area pursuant to New Mexico, OCD regulations.

Cimarex intends to haul the above cited pit contents to Lea Land, Inc. a State approved land disposal facility located south of Carlsbad, New Mexico (see Form C-144). This compliance action shall strictly engage the State of New Mexico, OCD standards, i.e. clean-up level for the Crawford 26 drilling pit shall meet the less

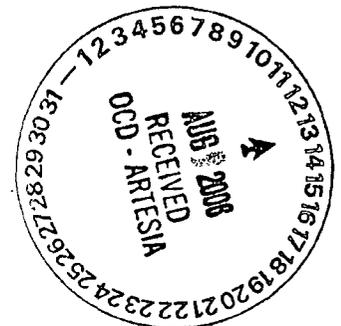
than 100ppm of TPH, ND for BTEX and the less than 250ppm of chlorides unless otherwise approved and substantiated by background information documented to be higher than the above cited indices.

CLOSURE PLAN

Prior to commencement of closure activities, Cimarex contractor will contact One-Call for line spot clearance confirming the State of New Mexico, OCD is in agreement with the proposed "Closure Plan" for removal of approximately 2,500 bbl. of liquid followed by the removal of all fines (drill cuttings) assuming these fines have sufficiently dried allowing for maneuverability of heavy equipment in the pit area, enabling transport to Lea Land, Inc. and final closure.

Environmental health and safety regulations mandate control of pit volumes at all times. Thus, the liquid material was pumped off as needed and properly disposed of during active drilling operations. Water accumulated since this time is either due to liquid material not completely hauled from actual drilling operations or rain. This water has subsequently been hauled from the location and properly disposed of pursuant to OCD Regulatory Performa.

- ❖ Contractor shall mobilize to the Crawford 26 drilling pit site located approximately 10 miles South and East of Carlsbad, New Mexico (see Form C-144). Personnel necessary to provide for the initiation and completion of said remediation activities presented above shall be engaged as is appropriate to the mandated exercise.
- ❖ No remediation activity shall occur off the existing pad or already disturbed areas as authorized by the APD and approved Best Management Practices (BMP's). Cimarex shall consider weather conditions and necessary equipment positioning to provide a clear area for adequate staging for site control and safety compliance, ensuring operations shall be compliant with New Mexico, OCD Regulatory Performa.
- ❖ The Crawford 26 drilling pit is currently lined with a 12ml HDPE liner, which shall be removed by heavy equipment and disposed of with the drilling fines transported to Lea Land, Inc. compliant with New Mexico, OCD requirements.
- ❖ Prior to initiation of backfilling, the Operator shall take appropriate samples of the pit area to ensure compliance with OCD Standards for remediation of possible TPH, ND for BTEX and levels of less than 250ppm of chlorides. However if levels at the bottom of the drilling pit test too high, a background set of samples shall be obtained for testing from the immediate vicinity and compared to those of the pit bottom. Simultaneously, more soil shall be removed from the "hot spots". Once completed, new data acquisition shall occur and sample results determine whether or not compliance has been reached in order to begin backfilling. No backfilling shall begin without authorization by the State of New Mexico, OCD.
- ❖ Backfilling of the Crawford 26 drilling pit shall be commensurate with existing topography and terrain relief features (contouring) so as to return it to its "near-as" previous condition, including a contour for prevention of water impoundment.



COPY FROM WELL FILE

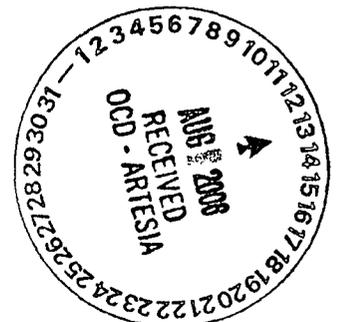
- ❖ The "Closure Plan" shall include a final report providing lab analysis of the backfill material, digital project photos and evidentiary narrative to support the completed disposition of the reclaimed Crawford 26 drilling pit site.

Should you have questions, please call 505-628-3447(office) or 505-200-6105 (cell).

Sincerely,

for Dorsey Rogers by C. Finley
Dorsey Rogers
Drilling Superintendent

cc: State of New Mexico, OCD, Form C-144, LOV 20623 Response Letter



Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: October 27, 2006

Work Order: 6102301



Project Location: Unit B-S26-24S-26E
Project Name: Crawford 26 Fed #2
Project Number: Eddy County,Nm

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106468	A-2	soil	2006-10-20	12:00	2006-10-21
106469	A-5	soil	2006-10-20	12:05	2006-10-21
106470	A-8	soil	2006-10-20	12:10	2006-10-21
106471	A-12	soil	2006-10-20	12:15	2006-10-21
106472	A-15	soil	2006-10-20	12:20	2006-10-21
106473	A-19	soil	2006-10-20	12:25	2006-10-21
106474	A-23	soil	2006-10-20	12:35	2006-10-21
106475	A-24	soil	2006-10-20	12:40	2006-10-21
106476	A-29	soil	2006-10-20	12:45	2006-10-21
106477	A-31	soil	2006-10-20	12:50	2006-10-21
106478	A-34	soil	2006-10-20	12:55	2006-10-21
106479	A-39	soil	2006-10-20	13:00	2006-10-21
106480	C-17	soil	2006-10-20	13:25	2006-10-21
106481	C-18	soil	2006-10-20	13:30	2006-10-21
106482	C-19	soil	2006-10-20	13:35	2006-10-21
106483	C-20	soil	2006-10-20	13:37	2006-10-21
106484	C-23	soil	2006-10-20	13:40	2006-10-21
106485	C-25	soil	2006-10-20	13:45	2006-10-21
106486	C-26	soil	2006-10-20	13:50	2006-10-21
106487	C-27	soil	2006-10-20	13:55	2006-10-21
106488	C-28	soil	2006-10-20	14:00	2006-10-21
106489	C-30	soil	2006-10-20	14:05	2006-10-21
106490	C-35	soil	2006-10-20	14:15	2006-10-21
106491	C-37	soil	2006-10-20	14:20	2006-10-21
106492	D-1	soil	2006-10-20	14:25	2006-10-21
106493	D-2	soil	2006-10-20	14:30	2006-10-21
106494	D-10	soil	2006-10-20	14:33	2006-10-21
106495	D-19	soil	2006-10-20	14:35	2006-10-21
106496	D-21	soil	2006-10-20	14:50	2006-10-21
106497	D-22	soil	2006-10-20	14:55	2006-10-21
106498	D-24	soil	2006-10-20	15:00	2006-10-21
106499	D-26	soil	2006-10-20	15:05	2006-10-21
106500	D-28	soil	2006-10-20	15:10	2006-10-21
106501	D-30	soil	2006-10-20	15:15	2006-10-21
106502	D-35	soil	2006-10-20	15:20	2006-10-21
106503	D-40	soil	2006-10-20	15:25	2006-10-21

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106504	B-3	soil	2006-10-20	16:00	2006-10-21
106505	B-5	soil	2006-10-20	16:05	2006-10-21
106506	B-13	soil	2006-10-20	16:10	2006-10-21
106507	B-18	soil	2006-10-20	16:15	2006-10-21
106508	B-22	soil	2006-10-20	16:20	2006-10-21
106509	B-24	soil	2006-10-20	16:25	2006-10-21
106510	B-26	soil	2006-10-20	16:30	2006-10-21
106511	B-32	soil	2006-10-20	16:35	2006-10-21
106512	B-35	soil	2006-10-20	16:45	2006-10-21
106513	B-36	soil	2006-10-20	16:47	2006-10-21
106514	B-37	soil	2006-10-20	16:50	2006-10-21
106515	B-40	soil	2006-10-20	16:55	2006-10-21
106516	E-13	soil	2006-10-20	17:10	2006-10-21
106517	E-7	soil	2006-10-20	17:19	2006-10-21
106518	E-8	soil	2006-10-20	17:22	2006-10-21
106519	E-12	soil	2006-10-20	17:24	2006-10-21
106520	E-4	soil	2006-10-20	17:17	2006-10-21
106521	E-16	soil	2006-10-20	17:15	2006-10-21
106522	E-24	soil	2006-10-20	17:26	2006-10-21
106523	S-7	soil	2006-10-20	17:28	2006-10-21
106524	S-8	soil	2006-10-20	17:29	2006-10-21
106525	S-14	soil	2006-10-20	17:35	2006-10-21
106526	S-22	soil	2006-10-20	17:30	2006-10-21
106527	S-23	soil	2006-10-20	17:31	2006-10-21
106528	S-24	soil	2006-10-20	17:32	2006-10-21
106529	S-25	soil	2006-10-20	17:33	2006-10-21
106530	S-27	soil	2006-10-20	17:34	2006-10-21
106531	W-3	soil	2006-10-20	17:36	2006-10-21
106532	W-5	soil	2006-10-20	17:37	2006-10-21
106533	W-6	soil	2006-10-20	17:38	2006-10-21
106534	W-7	soil	2006-10-20	17:39	2006-10-21
106535	W-11	soil	2006-10-20	17:41	2006-10-21
106536	W-20	soil	2006-10-20	17:40	2006-10-21
106537	W-24	soil	2006-10-20	17:42	2006-10-21
106538	N-4	soil	2006-10-20	17:45	2006-10-21
106539	N-5	soil	2006-10-20	17:46	2006-10-21
106540	N-6	soil	2006-10-20	17:48	2006-10-21
106541	N-12	soil	2006-10-20	17:51	2006-10-21
106542	N-19	soil	2006-10-20	17:47	2006-10-21
106543	N-21	soil	2006-10-20	17:49	2006-10-21
106544	N-24	soil	2006-10-20	17:50	2006-10-21

Sample - Field Code	BTX				MTBE	TPH DRO	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
106468 - A-2	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106469 - A-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106470 - A-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106471 - A-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106472 - A-15	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106473 - A-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106474 - A-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106475 - A-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106476 - A-29	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106477 - A-31	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

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Sample - Field Code	BTEX				MTBE MTBE (mg/Kg)	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)			
106478 - A-34	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106479 - A-39	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106480 - C-17	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106481 - C-18	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106482 - C-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106483 - C-20	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106484 - C-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106485 - C-25	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106486 - C-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106487 - C-27	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106488 - C-28	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106489 - C-30	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106490 - C-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106491 - C-37	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106492 - D-1	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106493 - D-2	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106494 - D-10	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106495 - D-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106496 - D-21	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106497 - D-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106498 - D-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106499 - D-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106500 - D-28	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106501 - D-30	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106502 - D-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106503 - D-40	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106504 - B-3	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106505 - B-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106506 - B-13	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106507 - B-18	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106508 - B-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106509 - B-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106510 - B-26	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106511 - B-32	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106512 - B-35	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106513 - B-36	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106514 - B-37	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106515 - B-40	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106516 - E-13	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106517 - E-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106518 - E-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106519 - E-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106520 - E-4	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106521 - E-16	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106522 - E-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106523 - S-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106524 - S-8	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106525 - S-14	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106526 - S-22	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106527 - S-23	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106528 - S-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106529 - S-25	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106530 - S-27	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106531 - W-3	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106532 - W-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106533 - W-6	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

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Sample - Field Code	BTEX				MTBE MTBE (mg/Kg)	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)			
106534 - W-7	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106535 - W-11	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106536 - W-20	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106537 - W-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106538 - N-4	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106539 - N-5	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106540 - N-6	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106541 - N-12	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106542 - N-19	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106543 - N-21	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
106544 - N-24	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 106468 - A-2

Param	Flag	Result	Units	RL
Chloride		7.45	mg/Kg	2.00

Sample: 106469 - A-5

Param	Flag	Result	Units	RL
Chloride		4.56	mg/Kg	2.00

Sample: 106470 - A-8

Param	Flag	Result	Units	RL
Chloride		4.56	mg/Kg	2.00

Sample: 106471 - A-12

Param	Flag	Result	Units	RL
Chloride		5.80	mg/Kg	2.00

Sample: 106472 - A-15

Param	Flag	Result	Units	RL
Chloride		6.62	mg/Kg	2.00

Sample: 106473 - A-19

Param	Flag	Result	Units	RL
Chloride		28.6	mg/Kg	2.00

Sample: 106474 - A-23

Param	Flag	Result	Units	RL
Chloride		9.52	mg/Kg	2.00

Sample: 106475 - A-24

Param	Flag	Result	Units	RL
Chloride		12.8	mg/Kg	2.00

Sample: 106476 - A-29

Param	Flag	Result	Units	RL
Chloride		17.0	mg/Kg	2.00

Sample: 106477 - A-31

Param	Flag	Result	Units	RL
Chloride		455	mg/Kg	2.00

Sample: 106478 - A-34

Param	Flag	Result	Units	RL
Chloride		10300	mg/Kg	2.00

Sample: 106479 - A-39

Param	Flag	Result	Units	RL
Chloride		7100	mg/Kg	2.00

Sample: 106480 - C-17

Param	Flag	Result	Units	RL
Chloride		1070	mg/Kg	2.00

Sample: 106481 - C-18

Param	Flag	Result	Units	RL
Chloride		3090	mg/Kg	2.00

Sample: 106482 - C-19

Param	Flag	Result	Units	RL
Chloride		5740	mg/Kg	2.00

Sample: 106483 - C-20

Param	Flag	Result	Units	RL
Chloride		7660	mg/Kg	2.00

Sample: 106484 - C-23

Param	Flag	Result	Units	RL
Chloride		1310	mg/Kg	2.00

Sample: 106485 - C-25

Param	Flag	Result	Units	RL
Chloride		5530	mg/Kg	2.00

Sample: 106486 - C-26

Param	Flag	Result	Units	RL
Chloride		4930	mg/Kg	2.00

Sample: 106487 - C-27

Param	Flag	Result	Units	RL
Chloride		12600	mg/Kg	2.00

Sample: 106488 - C-28

Param	Flag	Result	Units	RL
Chloride		4660	mg/Kg	2.00

Sample: 106489 - C-30

Param	Flag	Result	Units	RL
Chloride		2910	mg/Kg	2.00

Sample: 106490 - C-35

Param	Flag	Result	Units	RL
Chloride		3700	mg/Kg	2.00

Sample: 106491 - C-37

Param	Flag	Result	Units	RL
Chloride		2910	mg/Kg	2.00

Sample: 106492 - D-1

Param	Flag	Result	Units	RL
Chloride		11500	mg/Kg	2.00

Sample: 106493 - D-2

Param	Flag	Result	Units	RL
Chloride		2010	mg/Kg	2.00

Sample: 106494 - D-10

Param	Flag	Result	Units	RL
Chloride		6460	mg/Kg	2.00

Sample: 106495 - D-19

Param	Flag	Result	Units	RL
Chloride		17.4	mg/Kg	2.00

Sample: 106496 - D-21

Param	Flag	Result	Units	RL
Chloride		12.3	mg/Kg	2.00

Sample: 106497 - D-22

Param	Flag	Result	Units	RL
Chloride		4510	mg/Kg	2.00

Sample: 106498 - D-24

Param	Flag	Result	Units	RL
Chloride		11300	mg/Kg	2.00

Sample: 106499 - D-26

Param	Flag	Result	Units	RL
Chloride		581	mg/Kg	2.00

Sample: 106500 - D-28

Param	Flag	Result	Units	RL
Chloride		765	mg/Kg	2.00

Sample: 106501 - D-30

Param	Flag	Result	Units	RL
Chloride		4080	mg/Kg	2.00

Sample: 106502 - D-35

Param	Flag	Result	Units	RL
Chloride		810	mg/Kg	2.00

Sample: 106503 - D-40

Param	Flag	Result	Units	RL
Chloride		12.0	mg/Kg	2.00

Sample: 106504 - B-3

Param	Flag	Result	Units	RL
Chloride		719	mg/Kg	2.00

Sample: 106505 - B-5

Param	Flag	Result	Units	RL
Chloride		1430	mg/Kg	2.00

Sample: 106506 - B-13

Param	Flag	Result	Units	RL
Chloride		2540	mg/Kg	2.00

Sample: 106507 - B-18

Param	Flag	Result	Units	RL
Chloride		3450	mg/Kg	2.00

Sample: 106508 - B-22

Param	Flag	Result	Units	RL
Chloride		10400	mg/Kg	2.00

Sample: 106509 - B-24

Param	Flag	Result	Units	RL
Chloride		8620	mg/Kg	2.00

Sample: 106510 - B-26

Param	Flag	Result	Units	RL
Chloride		2310	mg/Kg	2.00

Sample: 106511 - B-32

Param	Flag	Result	Units	RL
Chloride		4820	mg/Kg	2.00

Sample: 106512 - B-35

Param	Flag	Result	Units	RL
Chloride		442	mg/Kg	2.00

Sample: 106513 - B-36

Param	Flag	Result	Units	RL
Chloride		12600	mg/Kg	2.00

Sample: 106514 - B-37

Param	Flag	Result	Units	RL
Chloride		6620	mg/Kg	2.00

Sample: 106515 - B-40

Param	Flag	Result	Units	RL
Chloride		191	mg/Kg	2.00

Sample: 106516 - E-13

Param	Flag	Result	Units	RL
Chloride		172	mg/Kg	2.00

Sample: 106517 - E-7

Param	Flag	Result	Units	RL
Chloride		6.90	mg/Kg	2.00

Sample: 106518 - E-8

Param	Flag	Result	Units	RL
Chloride		7.55	mg/Kg	2.00

Sample: 106519 - E-12

Param	Flag	Result	Units	RL
Chloride		153	mg/Kg	2.00

Sample: 106520 - E-4

Param	Flag	Result	Units	RL
Chloride		12.2	mg/Kg	2.00

Sample: 106521 - E-16

Param	Flag	Result	Units	RL
Chloride		21.6	mg/Kg	2.00

Sample: 106522 - E-24

Param	Flag	Result	Units	RL
Chloride		9.80	mg/Kg	2.00

Sample: 106523 - S-7

Param	Flag	Result	Units	RL
Chloride		2190	mg/Kg	2.00

Sample: 106524 - S-8

Param	Flag	Result	Units	RL
Chloride		226	mg/Kg	2.00

Sample: 106525 - S-14

Param	Flag	Result	Units	RL
Chloride		201	mg/Kg	2.00

Sample: 106526 - S-22

Param	Flag	Result	Units	RL
Chloride		7160	mg/Kg	2.00

Sample: 106527 - S-23

Param	Flag	Result	Units	RL
Chloride		1220	mg/Kg	2.00

Sample: 106528 - S-24

Param	Flag	Result	Units	RL
Chloride		5800	mg/Kg	2.00

Sample: 106529 - S-25

Param	Flag	Result	Units	RL
Chloride		2360	mg/Kg	2.00

Sample: 106530 - S-27

Param	Flag	Result	Units	RL
Chloride		1720	mg/Kg	2.00

Sample: 106531 - W-3

Param	Flag	Result	Units	RL
Chloride		26.5	mg/Kg	2.00

Sample: 106532 - W-5

Param	Flag	Result	Units	RL
Chloride		18.4	mg/Kg	2.00

Sample: 106533 - W-6

Param	Flag	Result	Units	RL
Chloride		87.7	mg/Kg	2.00

Sample: 106534 - W-7

Param	Flag	Result	Units	RL
Chloride		14.5	mg/Kg	2.00

Sample: 106535 - W-11

Param	Flag	Result	Units	RL
Chloride		12.4	mg/Kg	2.00

Sample: 106536 - W-20

Param	Flag	Result	Units	RL
Chloride		195	mg/Kg	2.00

Sample: 106537 - W-24

Param	Flag	Result	Units	RL
Chloride		13.8	mg/Kg	2.00

Sample: 106538 - N-4

Param	Flag	Result	Units	RL
Chloride		6.71	mg/Kg	2.00

Sample: 106539 - N-5

Param	Flag	Result	Units	RL
Chloride		5.24	mg/Kg	2.00

Sample: 106540 - N-6

Param	Flag	Result	Units	RL
Chloride		9.22	mg/Kg	2.00

Sample: 106541 - N-12

Param	Flag	Result	Units	RL
Chloride		20.3	mg/Kg	2.00

Sample: 106542 - N-19

Param	Flag	Result	Units	RL
Chloride		5.45	mg/Kg	2.00

Sample: 106543 - N-21

Param	Flag	Result	Units	RL
Chloride		8.60	mg/Kg	2.00

Sample: 106544 - N-24

Param	Flag	Result	Units	RL
Chloride		1850	mg/Kg	2.00

Summary Report

Dorsey Rogers
Cinarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: October 24, 2006

Work Order: 6102302



Project Location: Blackriver-New Mexico
Project Name: Crawford 26-2
Project Number: Unit B-S26-25S-26E

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106545	River 1	Water	2006-10-20	18:20	2006-10-21
106546	River 2	Water	2006-10-20	18:25	2006-10-21

Sample: 106545 - River 1

Param	Flag	Result	Units	RL
Chloride		18.2	mg/L	0.500

Sample: 106546 - River 2

Param	Flag	Result	Units	RL
Chloride		18.0	mg/L	0.500



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

Report Date: October 24, 2006

Work Order: 6102302



Project Location: Blackriver-New Mexico
 Project Name: Crawford 26-2
 Project Number: Unit B-S26-25S-26E

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
106545	River 1	Water	2006-10-20	18:20	2006-10-21
106546	River 2	Water	2006-10-20	18:25	2006-10-21

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

Analytical Report

Sample: 106545 - River 1

Analysis: Chloride (IC)	Analytical Method: E 300 0	Prep Method: N/A
QC Batch: 31209	Date Analyzed: 2006-10-23	Analyzed By: WB
Prep Batch: 27178	Sample Preparation: 2006-10-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		18.2	mg/L	5	0.500

Sample: 106546 - River 2

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 31209	Date Analyzed: 2006-10-23	Analyzed By: WB
Prep Batch: 27178	Sample Preparation: 2006-10-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		18.0	mg/L	5	0.500

Method Blank (1) QC Batch: 31209

QC Batch: 31209	Date Analyzed: 2006-10-23	Analyzed By: WB
Prep Batch: 27178	QC Preparation: 2006-10-23	Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 31209	Date Analyzed: 2006-10-23	Analyzed By: WB
Prep Batch: 27178	QC Preparation: 2006-10-23	Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.4	mg/L	1	12.5	<0.0181	100	90 - 110

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.3	mg/L	1	12.5	<0.0181	99	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: 106565

QC Batch: 31209
 Prep Batch: 27178

Date Analyzed: 2006-10-23
 QC Preparation: 2006-10-23

Analyzed By: WB
 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2200	mg/L	100	1250	880	106	25.4 - 171

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	2180	mg/L	100	1250	880	104	25.4 - 171	1	20

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

Standard (ICV-1)

QC Batch: 31209

Date Analyzed: 2006-10-23

Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.4	99	90 - 110	2006-10-23

Standard (CCV-1)

QC Batch: 31209

Date Analyzed: 2006-10-23

Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.7	102	90 - 110	2006-10-23

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4102302

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi Vol 8270C / 625
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	Pesticides 8081A / 608
<input type="checkbox"/>	BOD, TSS, pH
<input checked="" type="checkbox"/>	Moisture Content

REMARKS: Please email shell & heavy results

LAB USE ONLY

Intact I N

Headspace Y N

Temp Y N

Log-in-Review

Carrier # Walk in

TraceAnalysis, Inc.

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

Company Name: Unimex Phone #: 505-300-5345 Shelly
505-300-6105 Der sey
Address: (Street, City, Zip) 2075 Mesa Carlsbad, NM 88800
Contact Person: Der sey E-mail: clorse@traceanalysis.com
valley@traceanalysis.com
Invoice to: Der sey

(If different from above)

Project #: Crawford 26-2
Project Name: Crawford 26-2
Project Location (including state): Unit B S26-25S-26E
Blackriver - New Mexico
Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ O ₂		NaOH
<u>104545</u>	<u>RIVER 1</u>	<u>1</u>	<u>4oz</u>	<input checked="" type="checkbox"/>								<u>10/20/06 12:00P</u>
<u>46</u>	<u>RIVER 2</u>	<u>1</u>	<u>4oz</u>	<input checked="" type="checkbox"/>								<u>10/20/06 12:05P</u>

Received by: [Signature] Date: 10/20/06 Time: 8:00 PM

Relinquished by: Shelly Date: 10/20/06 Time: 3:00 PM

Received at Laboratory by: [Signature] Date: 10/21/06 Time: 12:21

Relinquished by: [Signature] Date: 10/24/06 Time: 12/11

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

ORIGINAL COPY

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/2007	
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	<u>✓</u>
Chlorides	<u>✓</u>
Turn Around Time if different from standard	<u>PUSH</u>