



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

JUN 06 2008  
OCD-ARTESIA

Accepted for record  
NMOCD *mtg*

# ***Final Closure Report***

*Bear Bryant 31 Federal #1 Reserve Drilling Pit, API: 30-015-34906  
Sec. 31 16S 29E – Eddy County, New Mexico  
(LOV NO 02-08-033)*

*Presented to:*

***New Mexico Oil Conservation Division***

*Prepared by:*

***Phoenix Environmental, LLC.***

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



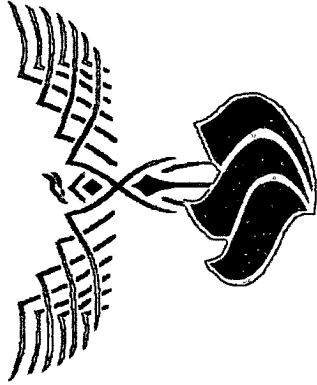
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### **IMPORTANT NOTICE:**

Phoenix Environmental, LLC., with offices at 2113 French Drive, Hobbs, New Mexico 88241 (the Company), has prepared this project report for remediation of Bear Bryant 31 Federal #1, 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 88022, and (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*

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  
**S**  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 1, 2004  
**OCD-ARTESIA**  
For drilling and production facilities, submit to appropriate NMOC 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: 972-401-3111 e-mail address: 2FARRIS@CIMAREX.COM  
Address: PO BOX 140907 IRVING TX 75014-0907  
Facility or well name: BEAR BRYANT 31 FSD1 API #: 30-018-344906 U/L or Qtr/Qtr K Sec 31 T 16S R 29E  
County: Edgy Latitude 32-52-32.6-N Longitude 104-07-04.4-W NAD: 1927 ☐ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐ SLW: 3676

Pit	Below-grade tank
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> Workover <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>300</u> bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: <u>N/A</u>
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>50' bgs</u>	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) <u>20</u> 100 feet or more (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) <u>0</u>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points) <u>0</u>
Ranking Score (Total Points) <u>20</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 CRI (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: SEE ATTACHED WORK PLAN

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

Date: \_\_\_\_\_  
Printed Name/Title: DORSEY ROGERS Signature: [Signature]  
Your certification and NMOC District 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: Mike Bratcher / Field Supv. Signature: [Signature] Signed By: Mike Bratcher Date: MAR 24 2008

NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses provided to OCD prior to backfilling pit.

pit closure to be completed by April 15, 2008 per Attached work plan



# PHOENIX ENVIRONMENTAL LLC

P.O. Box 1856

2113 French Dr.

Hobbs, NM 88241-1856

Office 505-391-9685

Fax 505-391-9687

March 10, 2008

Cimarex Energy Co.  
207 S. Mesa  
Carlsbad, New Mexico 88220

Attn: Mr. Dorsey Rogers  
Drilling Superintendent

**RE: Work Plan to Clean Up the Bear Bryant 31 Fed #1 Located in UL-K, Sec 31, T16S and R29E of Eddy County, New Mexico**

Dear Mr. Rogers:

Phoenix Environmental, LLC (Phoenix) would like to take this time to thank you and Cimarex Energy Co., for the opportunity to provide our professional services. Please find attached our work plan for the above listed site.

If you have any questions and/or need more data in regards to projects please call at any time. My cell phone is 575-631-8314.

Sincerely,

Allen Hodge, REM  
VP Operations  
Phoenix Environmental LLC



## Summary/Overview

The NOV at the Bear Bryant 31 Fed #1 site should be completed and remediated in accordance with the standards of the NMOCD. It is our understanding that any potential contamination from the site was a result of activities associated with the work over pit and production of oil and gas.

The potential contaminants of concern are mid to high-level concentrations of brine water and hydrocarbons from the unauthorized work over pit on location.

The lands primary use is domestic pasture for ranching and the production of oil and gas.

The ground water depth data available for this area showed the depth to ground water to be in the 50' range BGS.

Pursuant to the standards of the NMOCD, the clean up level for this site will be at <100ppm of TPH, <50ppm for BTEX and Chlorides less than <250ppm.

The following scope of work was based on data from our site visit and the requirements of the NMOCD for site clean up.

## Scope of Work to Address Impacted Soils

**NOTE:** Phoenix, for the purpose of this work plan, will estimate that there is approximately 300cyds of impacted soils at the site that needs to be addressed for site closure.

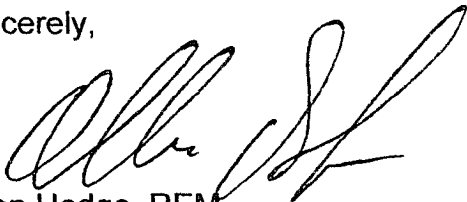
1. Phoenix will mobilize to the site located northwest of Loco Hills, NM equipment and personnel necessary to start and complete the site remediation as required, getting the site back into compliance.
2. The site will be cleared of brush and debris and a staging area set up for site control and safety.
3. The saturated impacted soils will be excavated and placed on plastic to prevent additional impact to the site.



4. Once the impacted soils have been excavated bottom samples will be taken to confirm the site is below NMOCD levels for clean up.
5. Impacted soils at the site will then be transported to a NMOCD approved disposal facility for disposal.
6. Phoenix will field screen the site during the excavation, and, once the TPH and CL has dropped below clean-up requirements, final samples will be taken and sent to a third party lab for analysis.
7. Once all of the remediation criteria have been met for site closure and compliance, the site will be backfilled with clean material.
8. Once all of the closure criteria have been met, a final closure report will be prepared by Phoenix. This report will include a summary of remediation operations, findings on-site and lab analysis, site maps and project photos.

If you have any questions and/or need more data in regards to this project please call 505-631-8314 at any time.

Sincerely,



Allen Hodge, REM  
VP Operations  
Phoenix Environmental LLC



**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Monday, March 24, 2008 10:23 AM  
**To:** '2farris@cimarex.com'  
**Cc:** 'eahodge@leaco.net'; Inge, Richard, EMNRD; Guye, Gerry, EMNRD  
**Subject:** Bear Bryant 31 Fed 001

Reference: Bear Bryant 31 Fed 001 30-015-34986 K-31-16s-29e Eddy County New Mexico NMOCD Letter of Violation (LOV) 02-08-033

Operator,

This is notification that the work plan proposal submitted by your contractor, Phoenix Environmental, LLC, is approved with the following stipulations:

- Notify NMOCD District 2 office 24 hours prior to commencement of operations.
- Notify NMOCD District 2 office 24 hours prior to obtaining samples where analyses of samples obtained are to be submitted to OCD.
- Pit is to be closed and final report documentation submitted to NMOCD District 2 office not later than April 15, 2008.

Approval of this work plan proposal does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, this approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Sincerely,

*Mike Bratcher*  
NMOCD District II  
Office (575)748-1283x108  
Cell (575)626-0857

3/24/2008





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

Oil Conservation Division

*Field Inspection - Compliance*

*"Determining the Integrity of Our Environment"*

22-Feb-08

**CIMAREX ENERGY CO. OF COLORADO**

P O BOX 1237

EDNICE NM 88231

**LOV NO. 02-08-033**

**LETTER OF VIOLATION - Inspection**

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

**BEAR BRYANT 31 FEDERAL No.001**

**K-31-16S-29E**

**30-015-34906-00-06**

Inspection Date	Type Inspection	Inspector	Violation?	*Significant Non-Compliance?	Corrective Action Due By:	Inspection No.
02/05/2008	Routine/Periodic	Richard Inge	Yes	No	3/7/2008	IREI0803645763

**Comments on Inspection:** Violation of OCD rule 50. Unauthorized, unregistered pit on location. The north side of pit has caved in. Looks like fluid level was above where liner is down. Some fluids are inside the pit.

Please submit a C-144 Pit Closure Plan to the Artesia OCD by compliance due date. Pits are to be closed within 15 days of a C-144 plan approval.

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.

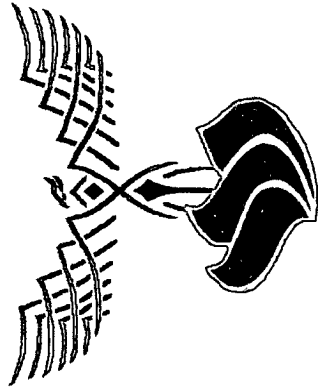
Sincerely,

*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.



# *SECTION II*

## **Project Overview**

*Phoenix Environmental, LLC. (Phoenix) was contracted for the closure of a reserve-drilling pit on the Bear Bryant 31, Federal #1, belonging to Cimarex Energy Co.. The Bear Bryant 31 Federal #1 is located in Section 31 T16S R29E. The GPS Reading is 32°52'32.6"N & 104°07'04.4"W, with an elevation of 3676 feet above sea level. The land, in and around the site, is primarily used as domestic pasture for ranching and the production of oil and gas. The pit site is located on the south side of the location.*

*The potential contaminates of concern were mid- to high-level concentrations of produced water that was left after well work over was completed.*

*The ground water depth data available from the State of New Mexico Engineers' office showed the vertical depth to the top of water to be about 50 feet below surface.*

*Pursuant to the NMOCD guidelines for clean up of unlined surface impoundments, the clean up level for this site will be at <100 ppm for TPH (Total Petroleum Hydrocarbons) and <50 ppm for BTEX (Benzene, Toluene, Ethylbenzene, and Xylene). The NMOCD has also asked for CL (Chlorides) be returned back as close to background levels as possible or <250 ppm.*

## **Findings and Conclusion**

*It appeared that in excess of 580 cubic yards of impacted soil were impacted in the pit area with the dimensions of 60x25x12. Impacted soils at the site were transported to a NMOCD approved disposal facility for disposal.*

*The bottom of the excavation (approximately 10 feet) was tested for TPH, BTEX & Chlorides to make certain that the target limits had been met prior to backfilling and compaction for closure. The site cleaned up well with vertical depth of impact, listed above at 12 feet and not impacting groundwater. All of the final lab analyses were below the NMOCD guidelines for unlined surface impoundments (refer to attached laboratory reports for actual levels.)*

*The site was backfilled and compacted with clean backfill and contoured with a crown back to grade to prevent ponding on the area. The site was reseeded and should vegetate very well with upcoming rains.*



## **Chronology of Operations**

1. *March 13, 2008 – Phoenix mobilized on-site. The first order on the agenda was a tailgate safety meeting to review any potential safety concerns of the site and to cover the clean-up operations. (Please note that a daily safety meeting is the first order of the day before any work begins on site). New Mexico One Call was notified of the intent to finish the pit closure. . Crew found fluid under complete bottom of liner. Crew dug out impacted soil. Impacted soil was loaded into trucks, which was hauled to an NMOCD approved disposal facility. A total of 40 cubic yards was taken to disposal.*
2. *March 14, 2008 – Crew continued to dig up impacted soil and load trucks. A total of 140 cubic yards was taken to disposal on this day.*
3. *March 17, 2008 – Impacted soil was dug out of work over pit and loaded into trucks. Trucks hauled 220 cubic yards of impacted soil to disposal.*
4. *March 18, 2008 – Crew finished hauling impacted soil, from the work over pit to disposal. A total of 180 cubic yards was taken to disposal on this date. The bottom of the work over pit was cleaned. Final samples were taken and sent to a third party laboratory for analysis of Chlorides for final verification of the limits met. (Please refer to attached reports, pages 8 through 12 of this report).*
5. *March 25, 2008 – Crew push in material from location to backfill work over pit. Final contouring and compactions was implemented to return the site back to grade. Contouring was completed with a crown to prevent rainwater ponding.*



## Final Closure Report

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Company: Cimarex Energy Company of Colorado

Location: Bear Bryant 31 Federal #1 (LOV Case #02-08-033)

### Limitations

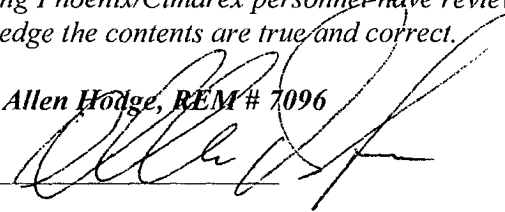
*Phoenix Environmental LLC has prepared this report to the best of its ability. No other warranty expressed, implied or intended is made.*

*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

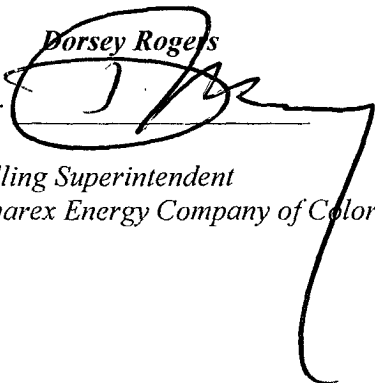
*The following Phoenix/Cimarex personnel have reviewed this report and verify that to the best of their knowledge the contents are true and correct.*

Name: **Allen Hodge, REM # 7096**

Signature: 

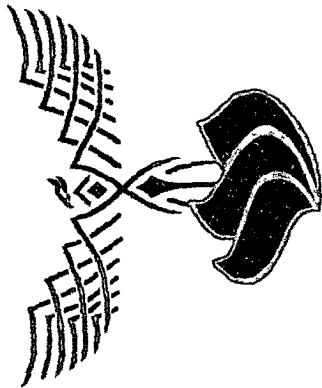
Title: VP Operations  
Phoenix Environmental LLC

Name: **Dorsey Rogers**

Signature: 

Title: Drilling Superintendent  
Cimarex Energy Company of Colorado





# ***SECTION III***



## **SUMMARY SOIL ANALYSIS REPORT**

**Client:** Cimarex Energy Co.  
**Supervisor:** Allen Hodge  
**Sample Matrix:** Soil

**Facility:** Bear Bryant 31 Federal #1  
**Order No.:** Dorsey Rogers  
**Samples Received:** Intact on site

### **Initial Project Screening**

Sample	Date	Depth	Chlorides	TPH	BTEX	Location	Test Method
#1							
#2							
#3							
#4							
#5							
#6							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")

### **Interim Project Screening**

Sample	Date	Depth	Chlorides	PID TPH	PID BTEX	Location	Test Method
#1	3/19/08	10'	75	<50	<50	West End	EPA 325.3
#2	3/19/08	10'	100	<50	<50	Middle	EPA 325.3
#3	3/19/08	12'	95	<50	<50	East End	EPA 325.3
#4	3/19/08	0-6"	90	<50	<50	Background	EPA 325.3
#5							
#6							
#7							
#8							
#9							
#10							
#11							
#12							
#13							
#14							
#15							
#16							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")

### **Final (Third Party Laboratory) Project Screening Verification**

Sample	Date	Depth	Chlorides	TPH	BTEX	Location	Test Method
#1	3/24/08	10'	60.2			West End	See Report
#2	3/24/08	10'	87.4			Middle	See Report
#3	3/24/08	12'	89.3			East End	See Report
#4	3/24/08	0-6"	136			Background	See Report
#5							
#6							
#7							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")





**Phoenix Environmental, LLC.**  
**P.O. Box 1856 – 2113 French Drive**  
**Hobbs, New Mexico 88241**  
**505.391.9685 – FAX: 505.391.9687**

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## **SOIL ANALYSIS REPORT**

**Date:** 3/19/08  
**Client:** Cimarex Energy Co.  
**Supervisor:** Allen Hodge  
**Sample Matrix:** Soil

**Facility:** Bear Bryant 31 Fed #1  
**Test Method:** EPA 325.3  
**Order No.:** Dorsey Rogers  
**Sample Received:** Intact on site

<b><u>Sample</u></b>	<b><u>Cl (ppm)</u></b>	<b><u>Depth (feet)</u></b>	<b><u>Location</u></b>
<b>#1</b>	75	10'	West End
<b>#2</b>	100	10'	Middle
<b>#3</b>	95	12'	East End
<b>#4</b>	90	0-6"	Background

**COMMENTS:** Sample does not meet limits for NMOCD guidelines for unlined pit closure.



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

## Analytical and Quality Control Report

Dorsey Rogers  
Cinnarex  
207 S Mesa  
Carlsbad, NM, 88220

Report Date: March 24, 2008

Work Order: 8032106



Project Location: UL-K, Sec. 31, T16S, R29E, Eddy Co., NM  
Project Name: Bear Bryant 31 Fed #1  
Project Number: API 30-015-34906-00-00

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
154279	West End @ 10'	soil	2008-03-19	13:00	2008-03-20
154280	Middle @ 10'	soil	2008-03-19	13:15	2008-03-20
154281	East End @ 12'	soil	2008-03-19	13:30	2008-03-20
154282	Background @ 0-6"	soil	2008-03-19	13:45	2008-03-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

### Standard Flags

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

## Analytical Report

### Sample: 154279 - West End @ 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46789	Date Analyzed:	2008-03-24	Analyzed By:	ER
Prep Batch:	40249	Sample Preparation:	2008-03-24	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		60.2	mg/Kg	10	3.25

### Sample: 154280 - Middle @ 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46789	Date Analyzed:	2008-03-24	Analyzed By:	ER
Prep Batch:	40249	Sample Preparation:	2008-03-24	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		87.4	mg/Kg	10	3.25

### Sample: 154281 - East End @ 12'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46789	Date Analyzed:	2008-03-24	Analyzed By:	ER
Prep Batch:	40249	Sample Preparation:	2008-03-24	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		89.3	mg/Kg	10	3.25

### Sample: 154282 - Background @ 0-6"

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	46789	Date Analyzed:	2008-03-24	Analyzed By:	ER
Prep Batch:	40249	Sample Preparation:	2008-03-24	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		136	mg/Kg	10	3.25

### Method Blank (1)      QC Batch: 46789

QC Batch:	46789	Date Analyzed:	2008-03-24	Analyzed By:	ER
Prep Batch:	40249	QC Preparation:	2008-03-24	Prepared By:	ER

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

#### Laboratory Control Spike (LCS-1)

QC Batch: 46789  
Prep Batch: 40249

Date Analyzed: 2008-03-24  
QC Preparation: 2008-03-24

Analyzed By: ER  
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.8 - 103

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<1.80	100	96.8 - 103	1	20

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

#### Matrix Spike (MS-1) Spiked Sample: 154276

QC Batch: 46789  
Prep Batch: 40249

Date Analyzed: 2008-03-24  
QC Preparation: 2008-03-24

Analyzed By: ER  
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2900	mg/Kg	10	500	2520.39	76	76.4 - 123

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2810	mg/Kg	10	500	2520.39	58	76.4 - 123	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: 46789

Date Analyzed: 2008-03-24

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-03-24

#### Standard (CCV-1)

QC Batch: 46789

Date Analyzed: 2008-03-24

Analyzed By: ER

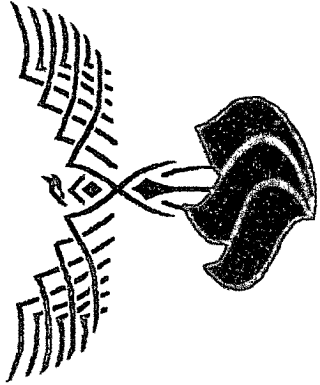
Report Date: March 24, 2008  
API 30-015-34906-00-00

Work Order: 8032106  
Bear Bryant 31 Fed #1

Page Number: 4 of 4  
UL-K, Sec. 31, T16S, R29E, Eddy Co., NM

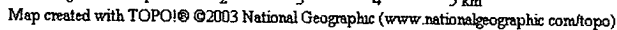
Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-03-24





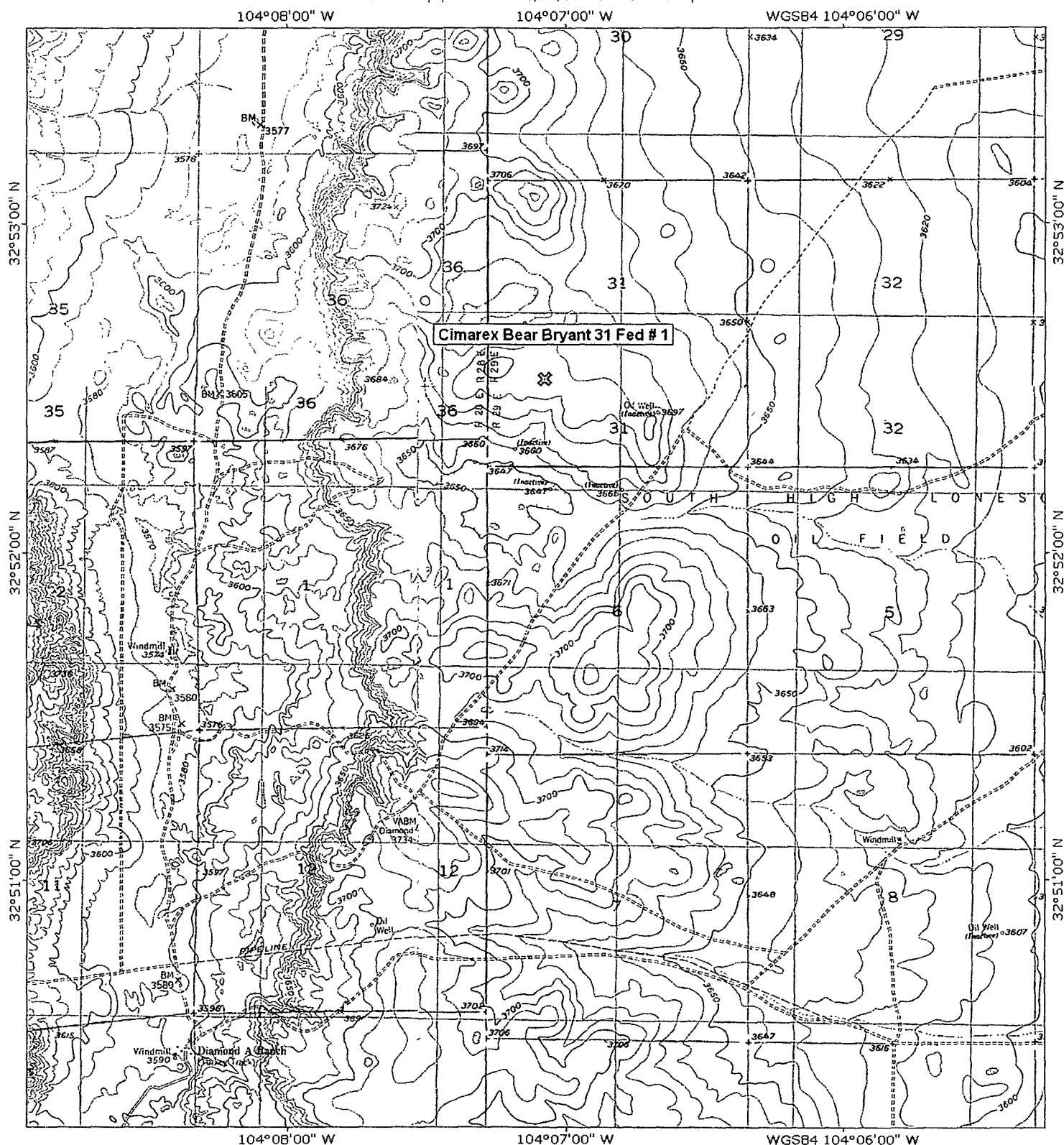
## *SECTION IV*

104°12'00" W 104°10'00" W 104°08'00" W 104°06'00" W 104°04'00" W WGS84 104°01'00" W





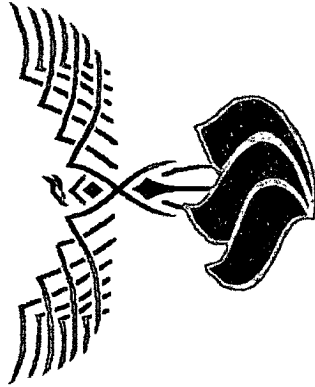
TOPOI map printed on 05/27/08 from "Untitled.topo"



TN\* MN  
8 1/2°

0 1000 FEET 0 500 1000 METERS  
Map created with TOPOI® ©2003 National Geographic (www.nationalgeographic.com/topo)





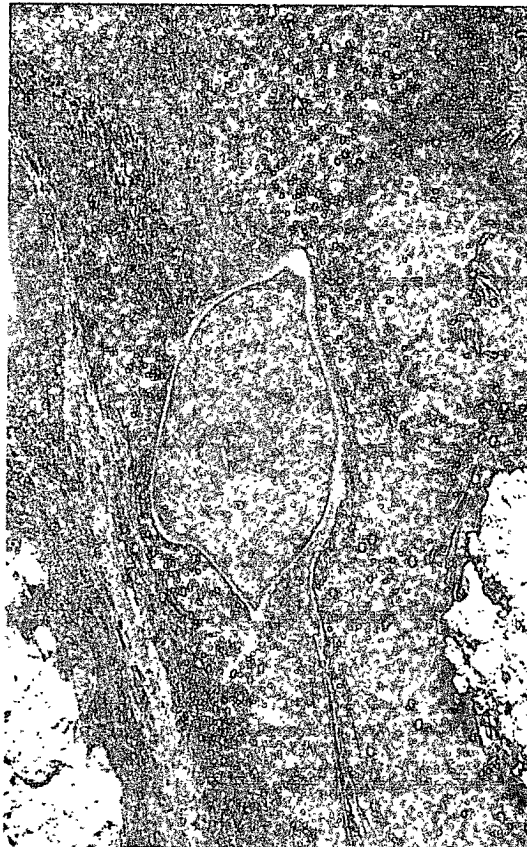
# *SECTION V*



*Photo #1 Starting to Excavate Work Over Pit*



*Photo #2 Excavating Work Over Pit*

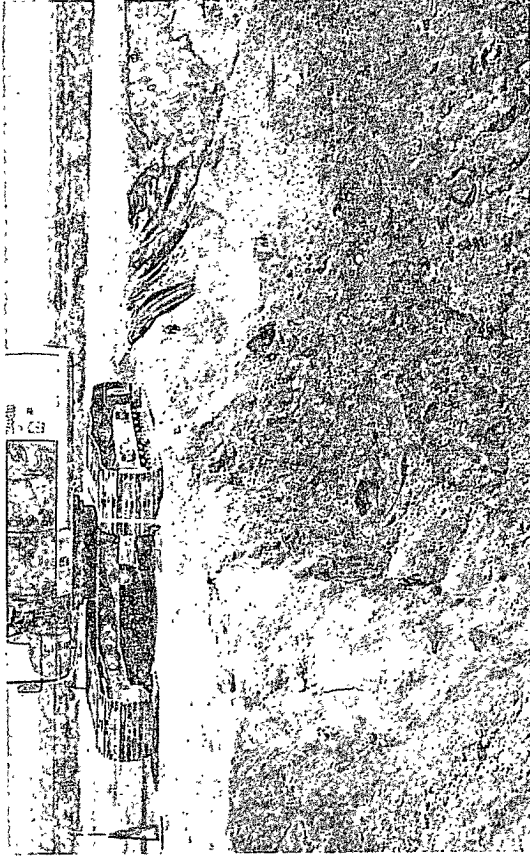


*Photo #3 Fluid Found Underneath Liner*

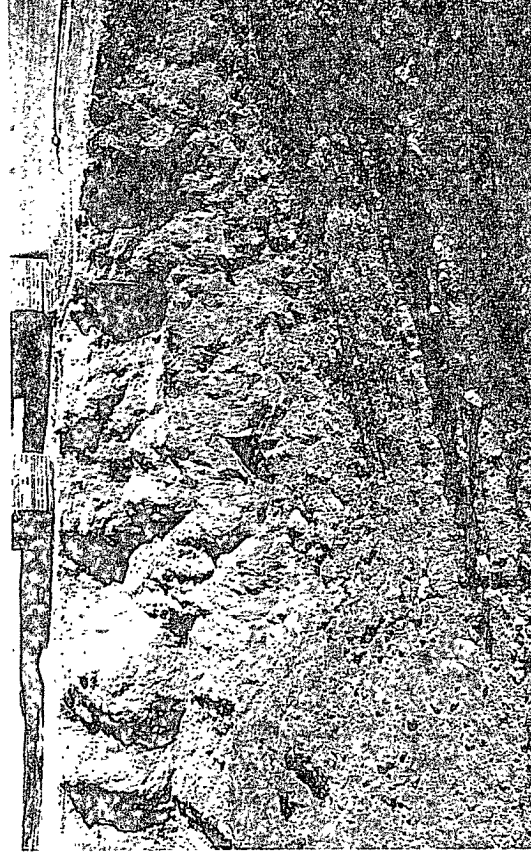


*Photo #4 Fluid Found Underneath Liner*

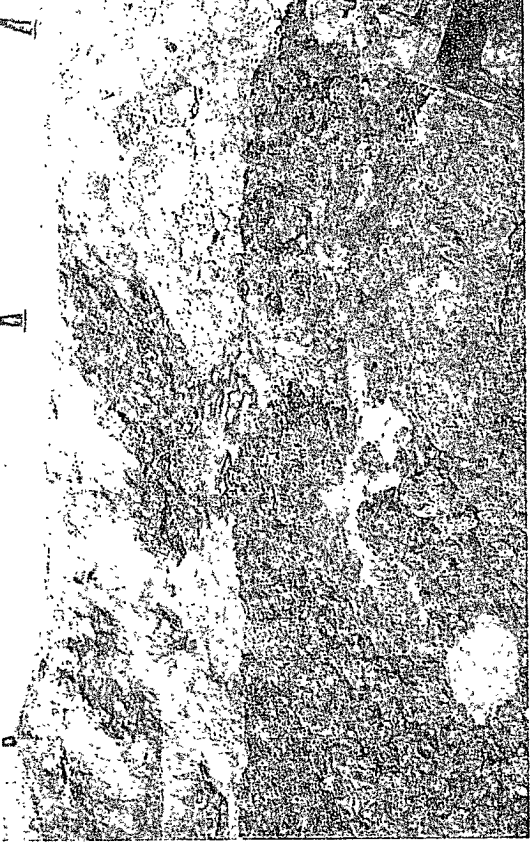




*Photo #5 Excavation of Work Over Pit*



*Photo #7 Excavation of Work Over Pit*



*Photo #6 Excavation of Work Over Pit*



*Photo #8 Excavation of Work Over Pit*



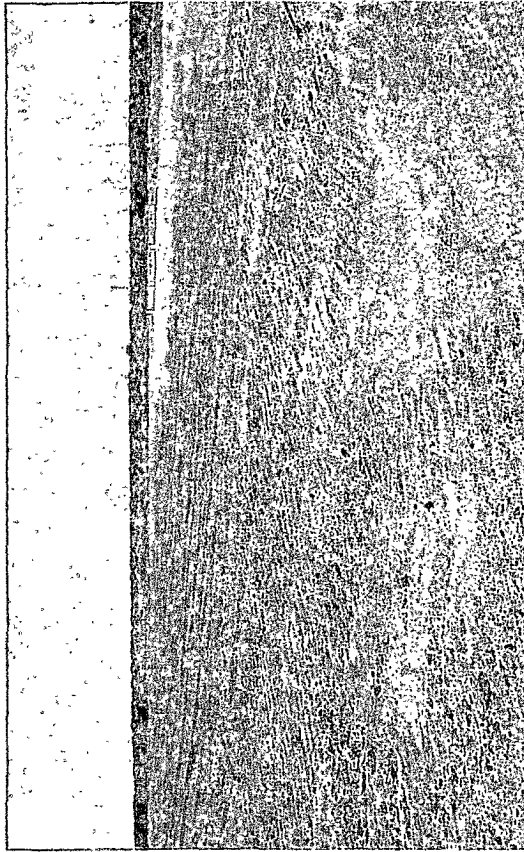




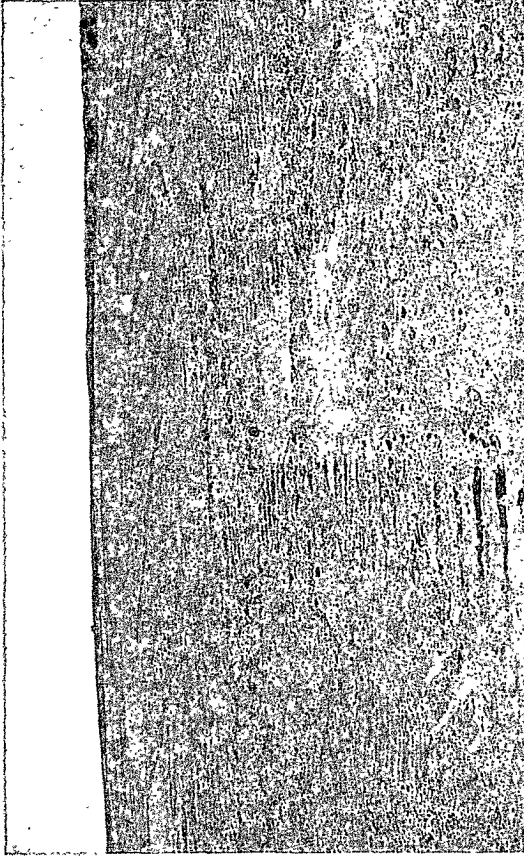
*Photo #9 Cleaning Bottoms of Work Over Pit*



*Photo #10 Cleaning Bottoms of Work Over Pit*



*Photo #11 Final View*



*Photo #12 Final View*

