# Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768 Phone (432) 366-0043 Fax (432) 366-0884



New Mexico Oil Conservation Division Mr. Mike Bratcher 1301 West Grand Ave. Artesia, New Mexico 88210

Re: Mewbourne Oil – Pavo 2 State Com #1

UL'N' Sec. 2 T18S R29E Eddy County, NM

API#302015-35190

Mr. Mike Bratcher,

Elke Environmental was contracted by Mewbourne Oil to complete the closure of the Pavo 2 State Com #1 drilling pit. As per the C-144 filed and signed by Mike Bratcher on 9-18-07 a burial pit was constructed and lined with a 12 mil impervious liner. The drilling mud was stiffened with dry soil then placed in the burial pit. A second burial pit was constructed and lined with a 12 mil liner to contain the excess drilling mud. Both burial pits were capped with a 20 mil impervious liner then backfilled with clean native soil. The bottom test of the drilling pit were analyzed by Mewbourne Oil Company. The drilling pit was backfilled with clean native soil and contoured to the surrounding area. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

Logan Anderson

Accepted for record NMOCD

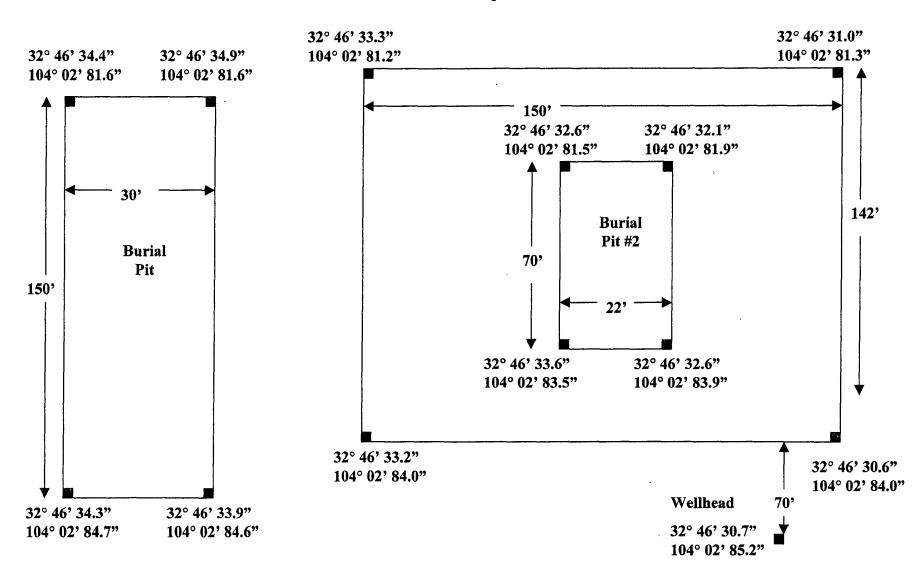


### Mewbourne Oil Company

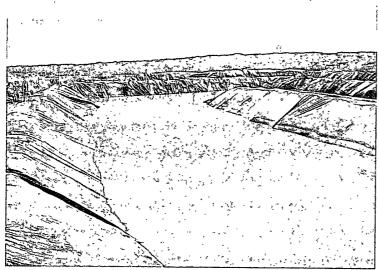
Pavo 2 State Com #1



Plat Map



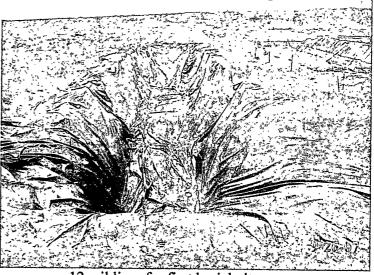
# Mewbourne Oil - Pavo 2 State Com #1



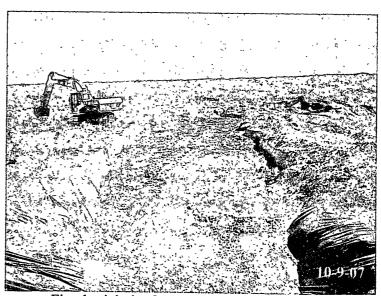
Drilling pit before closure.



12 mil liner of second burial pit.

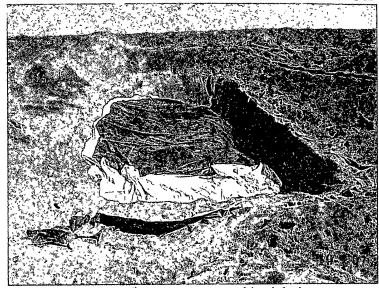


12 mil liner for first burial pit.

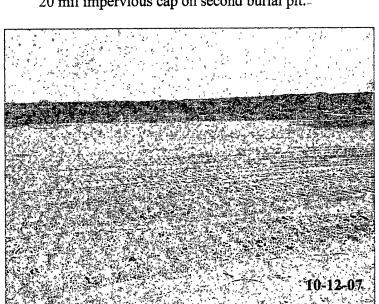


First burial pit after mud has been stiffened.

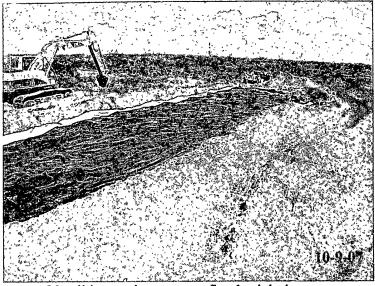
## Mewbourne Oil - Pavo 2 State Com #1



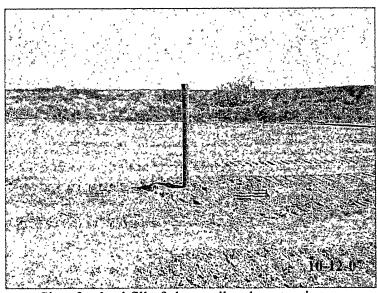
20 mil impervious cap on second burial pit.



Site after backfill of clean soil and contouring.



20 mil impervious cap on first burial pit.



Site after backfill of clean soil and contouring.

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

NMOCD prior to back-filling.

NOTIFY NM0CD 24 HOURS PRIOR TO OBTAINING SAMPLES.

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes \( \subseteq \) No \( \subseteq \)
Type of action: Registration of a pit or below-grade tank \( \subseteq \) Closure of a pit or below-grade tank \( \subseteq \) SFP 18 2007 OCD-ARTESIA Telephone: 505-393-5905 e-mail address: kgreen@mewbourne.con Operator: Mewbourne Oil Company Address: P. O. Box 5270 Hobbs, NM 88241 Sec 2 R 29E Facility or well name: Pavo 2 State Com #1 T 18S Latitude Longitude NAD: 1927 🔲 1983 🖾 County: Eddy Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐ Below-grade tank Pit Type: Drilling | Production | Disposal | Volume: bbl Type of fluid: Construction material: Lined D Unlined Double-walled, with leak detection? Yes I If not, explain why not. Liner type: Synthetic ☑ Thickness 12 mil Clay ☐ Pit Volume 24000 bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more ( 0 points) XXX Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic No ( 0 points) XXX water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more ( 0 points) XXX 0 points Ranking Score (Total Points) If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite O offsite I If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🛛 Yes 🔲 If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: All excess water will be removed. A burial pit will be constructed and lined with a 12mil impervious liner. The drilling pit contents will be mixed with Dry soil to stiffen the contents then placed in the burial pit. The burial pit will be capped with a 20 mil impervious liner with a minimum of 3 ft. overlap on all sides and a minimum of 3 ft. below ground level then backfilled with clean native soil and doomed to prevent pooling. A final report will be given at the end of the job. NMOCD Artesia will be notified 48 hrs before work starts. 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 sattached alternative OCD-approved plan . Date: 9-14-07 Printed Name/Title Logan Anderson - Agent Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations. Signed By Mile Bennie Date SEP 18 2007 Approval: Signature If hariel treach is to be constructed Samples are to be obtained from in pit area, samples are to be obtained Pit area and analysis submitted to and analyses submitted to OCD

PRIOR to lining trench.

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**

office

Oil Conservation Division 1220 South St. Francis Dr.

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe Santa Fe, NM 87505

#### Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes \( \subseteq \text{No } \Bigseteq \)

**Final Report** 

Form C-144 June 1, 2004

| Type of action: Registration of a pit of   | or below-grade tank \(\bigcap\) Closure of a pit or below-gra  | de tank 🛛  |
|--|--|--|
| Operator: Mewbourne Oil Company Telephone:   | 505-393-5905 e-mail address: kgreen@   | mewbourne.com  |
| Address: P. O. Box 5270 Hobbs, NM 88241  |  |  |
| Facility or well name: Pavo 2 State Com #1 API #: 30-015   | -35190 U/L or Qtr/Qtr N S  | Sec 2 T 18S R 29E  |
|  | Longitude  | 1  |
| Surface Owner: Federal  State  Private  Indian   |  |  |
| Pit  | Below-grade tank   |  |
| Type: Drilling ☑ Production ☐ Disposal ☐   | Volume:bbl Type of fluid:  |  |
| Workover ☐ Emergency ☐   | Construction material:   |  |
| Lined 🛛 Unlined 🗍  | Double-walled, with leak detection? Yes If no  | t. explain why not.  |
| Liner type: Synthetic ☑ Thickness 12 mil Clay ☐  | }  |  |
| Pit Volume 24000 bbl   |  |  |
|  | Less than 50 feet  | (20 points)  |
| Depth to ground water (vertical distance from bottom of pit to seasonal  | 50 feet or more, but less than 100 feet  | (10 points)  |
| high water elevation of ground water.)   | 100 feet or more   | ( 0 points) XXX  |
|  | V  |  |
| Wellhead protection area: (Less than 200 feet from a private domestic  | Yes  | (20 points)  |
| water source, or less than 1000 feet from all other water sources.)  | No   | ( 0 points) XXX  |
| Distance to surface vectors (horizontal distance to all wetlands release   | Less than 200 feet   | (20 points)  |
| Distance to surface water: (horizontal distance to all wetlands, playas,   | 200 feet or more, but less than 1000 feet  | (10 points)  |
| rigation canals, ditches, and perennial and ephemeral watercourses.)   | 1000 feet or more  | ( 0 points) XXX  |
|  | Ranking Score (Total Points)   | 0 points   |
|  |  | 1.   |
| If this is a pit closure: (1) Attach a diagram of the facility showing the pit   |  | -  |
| your are burying in place) onsite 🛛 offsite 🗌 If offsite, name of facility_  |  |  |
| 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 excava  | tions.   |  |
| Additional Comments: All excess water was removed. A burial pit was co   | onstructed and lined with a 12mil impervious liner. T  | he drilling pit contents were mixed with   |
| Dry soil to stiffen the contents then placed in the burial pit. The burial pit   | was capped with a 20 mil impervious liner with a min   | nimum of 3 ft. overlap on all sides and a  |
| minimum of 3 ft. below ground level then backfilled with clean native soi  | and domed to prevent pooling. Bottom samples wer   | e analyzed and the analytical is attached.   |
| The drilling pit was backfilled with clean native soil and contoured to the  | surrounding area.  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline             | t of my knowledge and belief. I further certify that<br>es ⊠, a general permit □, or an (attached) alterna       | the above-described pit or below-grade tank ative OCD-approved plan                                |
|  | _, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |  |
| Date:  |  |  |
| Printed Name/Title   |  |  |
| Your certification and NMOCD approval of this application/closure does otherwise endanger public health or the environment. Nor does it relieve regulations. | not relieve the operator of liability should the contents the operator of its responsibility for compliance with | s of the pit or tank contaminate ground water or<br>any other federal, state, or local laws and/or |
| .pproval:  |  |  |
| Printed Name/Title   | Signature  | Date:  |
|  |  |  |

Robin Terrell Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico 88241

October 5, 2007

Mike Bratcher NMOCD District 2 Office 1301 W. Grand Artesia, New Mexico 88210

RE:

Pavo 2 State Com 001 - Final Pit Closure

Pavo 2 State Com 001 API: 30-015-35190 Sec 2-T18S-R29E 940' FSL & 1980' FWL Depth to Ground Water: 125' - 150' Planned Analytical Testing: Chlorides

Site Ranking Score: 0 (zero)

Primary Land Use: Ranching and Oil & Gas Production

Pursuant to Pit Rule 50 of the New Mexico Oil Conservation District of the State of New Mexico regulatory requirement for pit closure, please accept the following documentation for final closure of the drilling pit for the aforementioned location.

An Insitu burial trench was excavated and lined with 12mil HDPE liner. All drill cuttings were stiffened and transferred to the lined Insitu trench. Upon transferring all pit contents to the lined burial trench, field tests were performed on the soil within in the confines of the original drill pit. The field results of chloride delineation of the impacted material are as follows (a diagram has also been attached):

| Q1 | 11' 120mg/kg                 | Q2 | 11' 140mg/kg                 | Q3 | 11' 130mg/kg |
|----|------------------------------|----|------------------------------|----|--------------|
| Q4 | 11' 855mg/kg<br>14' 330mg/kg | Q5 | 11' 975mg/kg<br>14' 130mg/kg |    |              |

After field tests were performed, Mike Bratcher of the New Mexico Oil Conservation Division (NMOCD) was contacted. Approval for closure was granted with no stipulations. A second Insitu trench will be dug and lined in Section Q4 to hold the remaining excavated impacted material.

Pursuant to NMOCD Pit Rule 50, a 20mil HDPE liner was placed on top of both of the Insitu trenches to seal in the impacted soils and the stiffened drill cuttings. The pit area was backfilled with clean native material and contoured to the surrounding terrain.

Soil samples were collected, prepared and packaged per EPA guidelines and forwarded to Trace Analysis in Lubbock, Texas for official analytical testing. Please find the official analytical results attached hereto.

Please review the attached documentation and contact me at 505-393-5905 with any questions or concerns.

Sincerely,

Robin Terrell Production Engineer

/sjt

PO Box 207 Loving, NM 88256

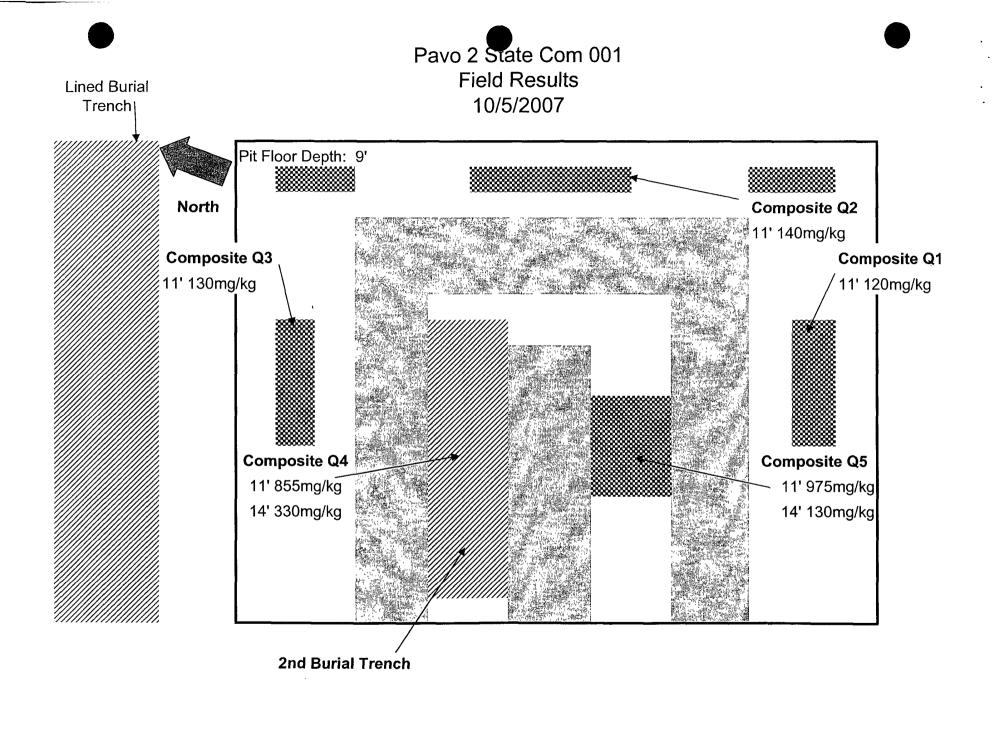
| Date      | Invoice # |
|-----------|-----------|
| 10/5/2007 | 628       |

| Bill To                                |  |
|--|--|
| Mewbourne Oil Company<br>Robin Terrell |  |
| PO Box 5270                            |  |
| Hobbs, NM 88241                        |  |
|  |  |
|  |  |
|  |  |
|  |  |

| Terms          | Rep |
|----------------|-----|
| Due on receipt | SJT |

| Location Payo 2 State Com 001 |  |  |  |
|-------------------------------|--|--|--|
| Pavo 2 State Com 001          |  |  |  |

| Quantity | Item Code       | Description   | Price Each | Amount   |
|----------|-----------------|---|------------|----------|
| 4        | Enviro Sampling | pulled infield analysis for delineation - contacted Mike<br>Bratcher of the NMOCD - closure approval granted - no<br>stipulations | 65.00      | 260.00T  |
| 0.5      | Enviro Reports  | Supulations   | 65.00      | 32.50T   |
| 0.5      | Enviro misc     | prepared, packaged and sent samples to Trace Analysis for official analyticals  | 65.00      | 32.50T   |
| 50       | Mileage Charge  |   | 0.50       | 25.00T   |
|          |                 | New Mexico Sales Tax  | 6.3125%    | 22.09    |
|          |                 |   |            |          |
|          |                 |   |            |          |
|          |                 |   |            |          |
|          |                 | I   | Total      | \$372.09 |





6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1

Midland, Texas 79703 8808 Camp Bowie Blvd West, Suite 180 Ft Worth, Texas 76116

Lubbock, Texas 79424 El Paso, Texas 79922

800 • 378 • 1296 888 • 588 • 3443

806 • 794 • 1296 915 • 585 • 3443 432 • 689 • 6301

FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

FAX 432 • 689 • 6313

E-Mail lab@traceanalysis.com

817 • 201 • 5260

FAX 817 • 560 • 4336

Bill To:

Mewbourne Oil Company

P. O. Box 5270 Hobbs, NM 88220

Attn:

Robin Terrell

RECEIVED

OCT 1 5 2007

Invoice No. 25703

Lab Location: Lubbock Invoice Date: 2007-10-10 Payment Due: 2007-11-09

Work Order:

7100701

Project Location: Sec 2 T18S, R29E Eddy County, NM

Project Name: 2 State Com1 Project Number: API 30-015-35190

| Item                  |   |
|-----------------------|---|
| Chloride (48-Hr. TAT) | _ |

Quantity

Matrix soil

Description 138591 - 138595

Price \$29.75 Sub Total

\$148.75

Payment Terms: Net-30

Total \$148.75

Dr. Blair Leftwich, Director



6701 Aberdeen Avenue; Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1

Lubbock; Texas 79424 El Paso, Texas 79922 Midland, Texas 79703

806 • 794 • 1296 888 • 588 • 3443 915 - 585 - 3443 432.689.6301

FAX-806 • 794 • 1298 FAX 915 • 585 • 4944 FAX 432 • 689 • 6313

6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132

E-Mail: lab@traceanalysis.com

817 • 201 • 5260

## Analytical and Quality Control Report

Robin Terrell Mewbourne Oil Company P. O. Box 5270 Hobbs, NM, 88220

Report Date: October 9, 2007

Work Order: 7100701

Sec 2 T18S, R29E Eddy County, NM Project Location:

Project Name: Davo 2 State Com1 Project Number: API 30-015-35190

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

|        |             |        | Date                   | Time  | Date       |
|--------|-------------|--------|------------------------|-------|------------|
| Sample | Description | Matrix | $\operatorname{Taken}$ | Taken | Received   |
| 138591 | Q1-11'      | soil   | 2007-10-06             | 09:30 | 2007-10-06 |
| 138592 | Q2-11'      | soil   | 2007-10-06             | 10:00 | 2007-10-06 |
| 138593 | Q3-11'      | soil   | 2007-10-06             | 10:15 | 2007-10-06 |
| 138594 | Q4-14'      | soil   | 2007-10-06             | 10:30 | 2007-10-06 |
| 138595 | Q5-14'      | soil   | 2007-10-06             | 11:00 | 2007-10-06 |

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

#### Standard Flags

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

### Case Narrative

Samples for project Davo 2 State Com1 were received by TraceAnalysis, Inc. on 2007-10-06 and assigned to work order 7100701. Samples for work order 7100701 were received intact at a temperature of 4.0 deg C.

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

| Test                 | Method       |
|----------------------|--------------|
| Chloride (Titration) | SM 4500-Cl B |

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7100701 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: 138591 - Q1-11'

Analysis:

QC Batch: 41904

Chloride (Titration)

Prep Batch: 36193 Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-10-09

Sample Preparation: 2007-10-09 Prep Method: N/A Analyzed By: ER

Prepared By:

RL

Parameter Result Units Dilution RLFlag 5.00 Chloride <100 mg/Kg

Sample: 138592 - Q2-11'

Analysis: QC Batch:

Prep Batch:

Chloride (Titration)

41904 36193

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-10-09

2007-10-09

Prep Method: N/A Analyzed By: ER

Prepared By: ER

RL

Dilution RLParameter Result Units Flag Chloride 116 5.00 mg/Kg

Sample: 138593 - Q3-11'

Analysis:

Chloride (Titration)

QC Batch: 41904 Prep Batch: 36193

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-10-09 2007-10-09

Prep Method: N/A

Analyzed By:  $\mathbf{E}\mathbf{R}$ Prepared By:  $\mathbf{E}\mathbf{R}$ 

RL

RL

Parameter Flag Result Units Dilution RLChloride <100 mg/Kg 20 5.00

Sample: 138594 - Q4-14'

41904

36193

Analysis: QC Batch:

Prep Batch:

Chloride (Titration)

Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-10-09 2007-10-09

Prep Method: N/A Analyzed By: ER

ER

Prepared By:

Parameter Result Units Dilution RLFlag Chloride 197 mg/Kg 5.00

Sample: 138595 - Q5-14'

Analysis:

Chloride (Titration)

QC Batch: 41904 Prep Batch: 36193

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-10-09 2007-10-09

Prep Method: N/A Analyzed By: ERPrepared By:

Work Order: 7100701 Davo 2 State Com1

Page Number 4 of 5 Sec 2 T18S, R29E Eddy County, NM

Analyzed By: ER

Prepared By: ER

| Parameter<br>Chloride                                |                 |                                   | Units<br>mg/Kg           | Dilution<br>20      | RL<br>5.00           |
|--|-----------------|-----------------------------------|--------------------------|---------------------|----------------------|
| Method Blank (1)  QC Batch: 41904  Prep Batch: 36193 | QC Batch: 41904 | Date Analyzed:<br>QC Preparation: | 2007-10-09<br>2007-10-09 | Analyze<br>Prepared | d By: ER<br>d By: ER |
| Parameter<br>Chloride                                | Flag            | Mi<br>Res<br><3                   | ult                      | Units<br>mg/Kg      | RL<br>5              |

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

Date Analyzed: 2007-10-09 QC Batch: 41904 2007-10-09 Prep Batch: 36193 QC Preparation:

LCS Spike Matrix Rec. Dil. Amount Result Rec. Limit Param Result Units < 3.25 101 90 - 110 100 Chloride 101 mg/Kg 1

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

|          | $_{ m LCSD}$ |       |      | Spike  | Matrix |      | Rec.     |     | RPD   |
|----------|--------------|-------|------|--------|--------|------|----------|-----|-------|
| Param    | Result       | Units | Dil. | Amount | Result | Rec. | Limit    | RPD | Limit |
| Chloride | 100          | mg/Kg | 1    | 100    | < 3.25 | 100  | 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: 138600

Date Analyzed: QC Batch: 41904 2007-10-09

Analyzed By: ER Prepared By: ER Prep Batch: 36193 QC Preparation: 2007-10-09

|          |   | MS     |       |      | Spike  | Matrix            |      | Rec.             |
|----------|---|--------|-------|------|--------|-------------------|------|------------------|
| Param    |   | Result | Units | Dil. | Amount | $\mathbf{Result}$ | Rec. | $\mathbf{Limit}$ |
| Chloride | 1 | 360    | mg/Kg | 10   | 1000   | 152.818           | 21   | 84.6 - 117       |

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

|          |   | MSD    |       |      | $_{ m Spike}$ | Matrix  |      | Rec.       |     | RPD   |
|----------|---|--------|-------|------|---------------|---------|------|------------|-----|-------|
| Param    |   | Result | Units | Dil. | Amount        | Result  | Rec. | Limit      | RPD | Limit |
| Chloride | 2 | 356    | mg/Kg | 10   | 1000          | 152.818 | 20   | 84.6 - 117 | 1   | 20    |

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

<sup>&</sup>lt;sup>1</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>&</sup>lt;sup>2</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: October 9, 2007 API 30-015-35190 Work Order: 7100701 Davo 2 State Comb Page Number. 5 of 5 Sec 2 T18S, R29E Eddy County, NM

Standard (ICV-1)

QC Batch: 41904

Date Analyzed: 2007-10-09

Analyzed By: ER

|          |                       |                  | ICVs                  | ICVs  | ICVs     | Percent  |            |
|----------|-----------------------|------------------|-----------------------|-------|----------|----------|------------|
|          |                       |                  | $\operatorname{True}$ | Found | Percent  | Recovery | Date       |
| Param    | $\operatorname{Flag}$ | $\mathbf{Units}$ | Conc.                 | Conc. | Recovery | Limits   | Analyzed   |
| Chloride |                       | mg/Kg            | 100                   | 100   | 100      | 85 - 115 | 2007-10-09 |

Standard (CCV-1)

QC Batch: 41904

Date Analyzed: 2007-10-09

Analyzed By: ER

|          |                 |                  | CCVs                  | CCVs  | CCVs     | Percent  |            |
|----------|-----------------|------------------|-----------------------|-------|----------|----------|------------|
|          |                 |                  | $\operatorname{True}$ | Found | Percent  | Recovery | Date       |
| Param    | $\mathbf{Flag}$ | $\mathbf{Units}$ | Conc.                 | Conc. | Recovery | Limits   | Analyzed   |
| Chloride |                 | mg/Kg            | 100                   | 99.6  | 100      | 85 - 115 | 2007-10-09 |

|                | divodol |  |
|----------------|---------|--|
| LAB Order ID # | 100701  |  |
|                |         |  |

| age | l of | • |
|-----|------|---|
| -   |      |   |

# TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

5002 Basin Street, Suite A1 Midland, Texas 79703 Tel (432) 689-6301 Fax (432) 689-6313

200 East Sunset Rd. Suite E EI Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

| Company Name: Mewburne Oil & Phone #:            |                              |                                |  |               |   |   | ANALYSIS REQUEST  |          |
|--|------------------------------|--------------------------------|--|---------------|---|---|---|----------|
| Address: (Street City Zip) Holds Mm 8882(1)      |                              |                                |  |               |   | (Circle   | or Specify Method No.)  |          |
| Contact Person:                                  | 5-27 IN                      | E-n                            | najl: ( . = - (                        |               | 1 1 1   | 200 7   | g   |          |
| Invoice to:                                      |                              |                                | Robin + Shee                           | le            | (322)   | 6010B/2007<br>Se Hg   | standard  |          |
| (if different from above)                        |                              |                                |  | $\mathcal{O}$ | 524<br>5xt((  | Hg 60   |   |          |
| Project #: 40 - 21)-015-                         | 35190                        | Pro                            | Vavo 2 State                           | Cores 1       | / 8260B / 624<br>8260B / 624<br>/ TX1005 Ext(C35)<br>O / TVHC   | 8 5   | 7 625   |          |
| Project Location (including state):              | Lacator                      | On1 Sar                        | mpler Signature:                       |               | 826<br>2606<br>7 TX1  | Cd Cr Pb<br>Ba Cd (   | 170C / 17  |          |
| Dec 2, 1185, K278 Carry                          | T                            | 7777                           |  | <del></del>   | 602 /<br>02 / 8<br>005 /<br>DRO   | S Ba  | 3 / 624<br>8270C<br>608   |          |
|  | RS Mun                       | MATRIX                         | PRESERVATIVE<br>METHOD                 | SAMPLING      | 11B / 602<br>B / 602 /<br>TX1005<br>RO / DR   | As Ba (As As S As             | 11. Vol. 8<br>1260B<br>11. Vol. 608<br>1081A / 0<br>1081A |          |
| LAB# FIELD CODE                                  | # CONTAINERS Volume / AmounC | R 35                           |  |               | MTBE 8021B / 602 / 8260B / 81EX 8021B / 602 / 8260B / 6 TPH 418.1 / TX1005 / TX1005 TPH 8015 GRO / DRO / TVHC PAH 8270C / 825 | etals Ag As Ba C<br>Metals Ag As I<br>Volatiles<br>Semi Volatiles | Sesticides Vol. 8260 Semi. Vol. 8260 Sept. 608 Sept. 608 Sept. 600  |          |
| (LAB USE)<br>ONLY                                | # CON                        | WATER<br>SOIL<br>AIR<br>SLUDGE | HCI<br>HNO <sub>3</sub><br>NaOH<br>ICE | DATE          | MTBE 8021<br>BTEX 8021B<br>TPH 418.17<br>TPH 8015 GF<br>PAH 8270C.7   | Total Metals Ag As TCLP Metals Ag TCLP Volatiles TCLP Semi Vola   | TCLP Pesticides RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C / 625 PCB's 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Majsture Content Majsture Content Majsture Content Majsture Content Majsture Content Majsture Content  | Hold     |
| 138591 Q1 - 11'                                  | 40x                          | X                              | X                                      | 0930          |   |   |   | +        |
| 592 Q2 - 11.                                     | 11/                          | x                              | X                                      | LOW           |   |   | X   |          |
| 593 03 - 11'                                     |                              | a                              |  | 1015          |   |   | X .   |          |
| 594 04 - 14'                                     | 7                            | at I                           |  | 1030          |   |   |   | 1        |
| 595 Q5. 14'                                      | 1 /02                        | X                              | $\chi$                                 | 1100          |   |   |   | 1        |
|  |                              |                                |  |               |   |   |   |          |
|  |                              |                                |  |               |   |   |   |          |
|  |                              |                                |  |               |   |   |   |          |
|  | 1                            |                                |  | -             |   | † † † †   |   | 1-       |
|  |                              |                                |  |               |   |   |   | +-       |
| 7  |                              |                                |  |               |   | <del>                                      </del>                 |   | +        |
| Relinquished by: Company: Date:                  | Time:<br>1 10.55             | Received by:                   | Company: Date:                         | Time: Ten     |   | 3 USE<br>NLY  | REMARKS: Tues wied  | <b>.</b> |
| Refinquished by: Company: Date:                  | Time:                        | Received by:                   | Company: Date:                         | Time: Ten     | np°c: Intact ()   | e XVNVM   | Dry Weight Basis Required   |          |
| Relinquished by: Company; Date:                  | Time:                        | Received by:                   | Company: Date:  — TA 10/6/0            |               | np°c:   |   | TRRP Report Required Check If Special Reporting Limits Are Needed   |          |
| Submittal of samples constitutes agreement to Te | erms and Cond                | ditions listed on rev          |  |               | Carrier #   | Wal   | k in  |          |

# **Closure Report**

Prepared for Mewbourne Oil Company

Pavo 2 State Com #1 API # 30-015-35190 Eddy County, NM

Prepared by

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768 Phone (432) 366-0043 Fax (432) 366-0884