015-34439

Mr. Robin Terrell
Mewbourne Oil Company
POB 5270
Hobbs, New Mexico 88240

OCD Copy

13 September 2007

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

Re: Closure Statement for Pavo "11" State Com # 1

Dear Mr.Bratcher:

Mewbourne Oil Company (MOC) has closed the drilling pit on the above mentioned wellsite. The contents of the pit were placed in an onsite encapsulation trench that met all rules and regulations set by the NMOCD. After the pit contents were placed in the trench soil samples were taken from the pit floor. Mike Bratcher w/ NMOCD gave 3rd party consultant Shelly Tucker verbal permission to close the pit in the following manner. The outside reserve showed no contamination and was therefore closed as it was. The inside pit showed contamination to a depth of 8' and was moved to the encapsulation trench to be used as additional stiffening material. Approximately 260 yards of material was transferred. The pit was then contoured back to the original topography. The pit was closed on 8/27/07.

Sincerely,

Robin Terrell
Production Engineer

Enclosure: Lab analysis of soil samples, pictures, C-144, Initial closure plan

Accepted for record
NMOCD

(5)

August 17, 2007

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

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

RE: Pavo 11 State Com 001 – Pit Closure

| | |
|---|---|
| **Pavo 11 State Com 001** | Depth to Ground Water: 125' |
| API: 30-015-34439 | Planned Analytical Testing: Chlorides |
| 11-18S-29E | Site Ranking Score: 0 (zero) |
| 1650 FSL & 660 FEL | 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 on the north end of the reserve pit after analytical chloride tests were performed and showed the area to be within acceptable limits of chlorides. The initial drill cuttings were then stiffened and transferred to the lined Insitu trench. Upon transferring all pit contents to the lined burial trench, field tests were then performed on the soil directly beneath the lined drill pit area. Once field tests were performed, Mike Bratcher of the New Mexico Oil Conservation Division (NMOCD) was contacted. Approval for closure was granted. Soil samples were collected, prepared, packaged and forwarded to Trace Analysis in Lubbock, Texas per EPA guidelines for official analytical testing. Please find the official analytical results attached hereto.

Pursuant to NMOCD Pit Rule 50 a 20mil HDPE liner will be placed on the top of the Insitu trench to seal in the impacted soils and the stiffened drilling contents. The pit area will then be backfilled with clean material, contoured to the surrounding terrain and reseeded with approved native seed. Mike Bratcher of the NMOCD will be contacted prior to seeding.

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

Sincerely,

Robin Terrell
Production Engineer

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

Energy Minerals and Natural Resources

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

June 1, 2004

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

RECEIVED
MAY 30 2007
Hobbs - OGD
Artesia, NM

# Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No X
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank X

Operator: MEWBOURNE Oil Company Telephone: 505-393-5915 e-mail address:
Address: 701 S. CECIL Hobbs, NM 88240
Facility or well name: PAVO II [illegible] #1 API #: 30-015-34439 U/L or Qtr/Qtr I Sec 11 T 18 S R 29 E
County: EDDY Latitude N 32° 45' 33.5" Longitude W104° 02' 20.4" NAD: 1927 ☐ 1983 X
Surface Owner: Federal ☐ State ☑ Private ☐ Indian ☐

| Pit | Below-grade tank | |
|---|---|---|
| Type: Drilling X Production ☐ Disposal ☐<br>Workover ☐ Emergency ☐<br>Lined X Unlined ☐<br>Liner type: Synthetic X Thickness 12 mil Clay ☐<br>Pit Volume 5,000 bbl | Volume: ____ bbl Type of fluid: _____<br>Construction material: _____<br>Double-walled, with leak detection? Yes ☐ If not, explain why not. | |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) | Less than 50 feet<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>(0 points) 125' |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) | Yes<br>No | (20 points)<br>( 0 points) |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | Less than 200 feet<br>200 feet or more, but less than 1000 feet<br>1000 feet or more | (20 points)<br>(10 points)<br>( 0 points) |
| | Ranking Score (Total Points) | 10 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 X offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No X Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Closure work plan for drilling pit. Category 2 location: The drilling pit contents will be excavated from the pit area.
If there is evidence of contamination, the soil will be tested by lab and if contamination is confirmed, further remediation will be conducted according to guidelines. A trench will be installed. The trench will be lined with a 20-mil impervious liner and the excavated material will be placed on top and encapsulated.
The excavated pit will be backfilled with clean soil and the pit area as well as the trench will be covered and contoured with three feet of soil or like material capable of supporting native plant growth to prevent erosion and ponding of rainwater.
A one call and a 48 hour notice will be provided to the Oil Conservation Division. PIT WAS CLOSED 8-27-07

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

Date: 5-29-07 Printed Name/Title JEFF RAINES / AGENT FOR MEWBOURNE Signature [signature]

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature [signature] Date: 6/4/07

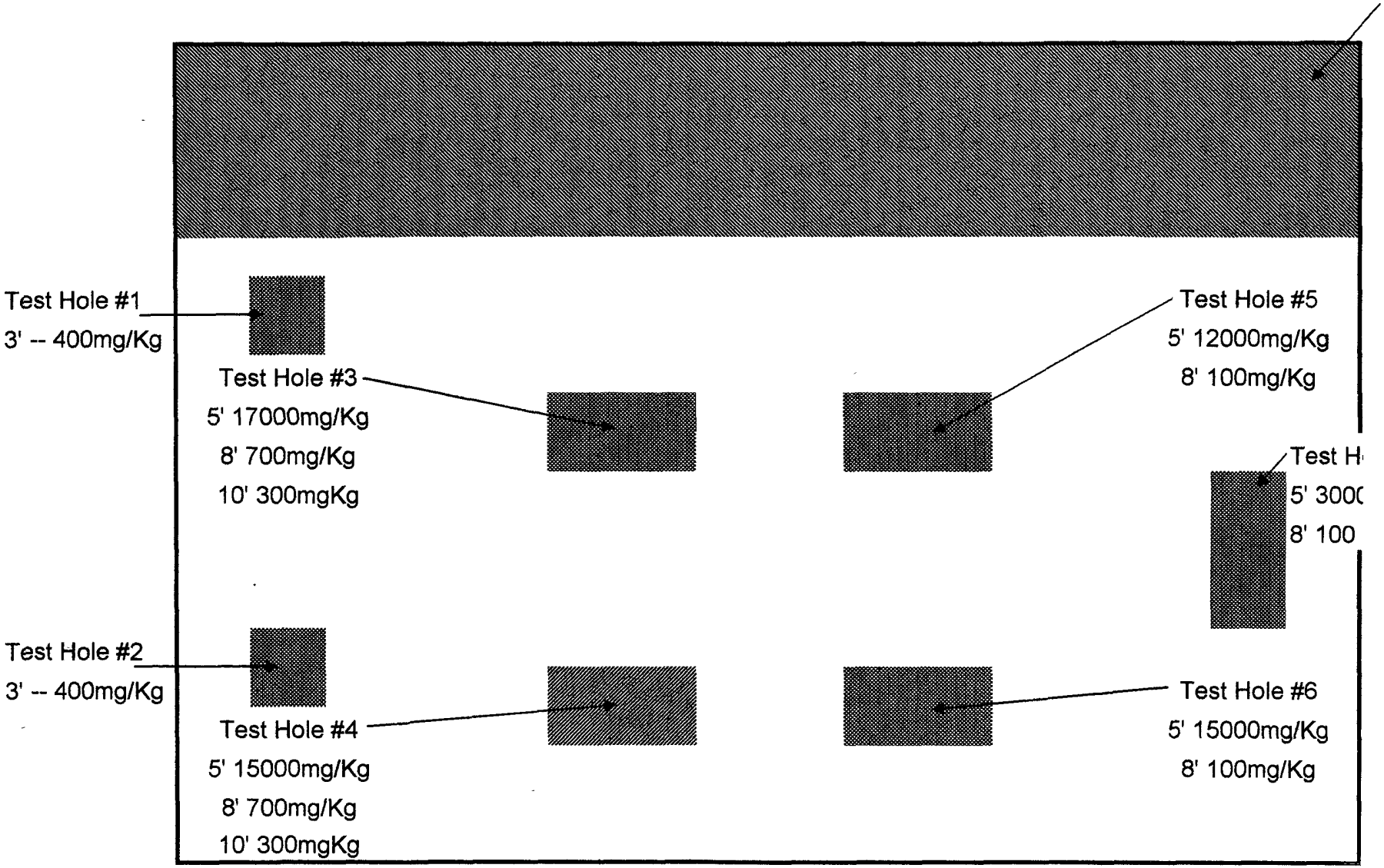
Notify OCD 24 hours prior to beginning pit closure.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

8

# Pavo 11 State Com 001

## Field Results
## Floor 8/17/07



# Summary Report

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

Report Date: August 24, 2007

Work Order: 7082323

Project Location: 11-18S-29E Eddy, County NM
Project Name: Pavo II State Com 001
Project Number: API 30-015-34439

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|---|---|---|---|---|---|
| 134104 | SUC Leg Comp | soil | 2007-08-17 | 14:00 | 2007-08-23 |
| 134105 | Disch Leg Comp | soil | 2007-08-17 | 11:00 | 2007-08-23 |
| 134106 | Center E Comp | soil | 2007-08-17 | 12:00 | 2007-08-23 |
| 134107 | Center W Comp | soil | 2007-08-17 | 13:00 | 2007-08-23 |

**Sample: 134104 - SUC Leg Comp**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 187 | mg/Kg | 5.00 |

**Sample: 134105 - Disch Leg Comp**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 154 | mg/Kg | 5.00 |

**Sample: 134106 - Center E Comp**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 137 | mg/Kg | 5.00 |

**Sample: 134107 - Center W Comp**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 405 | mg/Kg | 5.00 |

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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

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

Report Date. August 24, 2007

Work Order. 7082323

Project Location: 11-18S-29E Eddy, County NM
Project Name Pavo II State Com 001
Project Number: API 30-015-34439

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 |
|---|---|---|---|---|---|
| 134104 | SUC Leg Comp | soil | 2007-08-17 | 14 00 | 2007-08-23 |
| 134105 | Disch Leg Comp | soil | 2007-08-17 | 11 00 | 2007-08-23 |
| 134106 | Center E Comp | soil | 2007-08-17 | 12 00 | 2007-08-23 |
| 134107 | Center W Comp | soil | 2007-08-17 | 13.00 | 2007-08-23 |

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 Pavo II State Com 001 were received by TraceAnalysis, Inc. on 2007-08-23 and assigned to work order 7082323. Samples for work order 7082323 were received intact at a temperature of 22.0 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 7082323 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: 134104 - SUC Leg Comp**

| | | | | | |
|---|---|---|---|---|---|
| Analysis | Chloride (Titration) | Analytical Method | SM 4500-Cl B | Prep Method | N/A |
| QC Batch | 40392 | Date Analyzed. | 2007-08-24 | Analyzed By. | MM |
| Prep Batch. | 34945 | Sample Preparation | 2007-08-23 | Prepared By. | MM |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|---|---|---|---|---|---|
| Chloride | | **187** | mg/Kg | 10 | 5 00 |

**Sample: 134105 - Disch Leg Comp**

| | | | | | |
|---|---|---|---|---|---|
| Analysis | Chloride (Titration) | Analytical Method | SM 4500-Cl B | Prep Method | N/A |
| QC Batch | 40392 | Date Analyzed. | 2007-08-24 | Analyzed By. | MM |
| Prep Batch | 34945 | Sample Preparation. | 2007-08-23 | Prepared By | MM |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|---|---|---|---|---|---|
| Chloride | | **154** | mg/Kg | 10 | 5 00 |

**Sample: 134106 - Center E Comp**

| | | | | | |
|---|---|---|---|---|---|
| Analysis | Chloride (Titration) | Analytical Method. | SM 4500-Cl B | Prep Method. | N/A |
| QC Batch | 40392 | Date Analyzed: | 2007-08-24 | Analyzed By | MM |
| Prep Batch | 34945 | Sample Preparation | 2007-08-23 | Prepared By | MM |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|---|---|---|---|---|---|
| Chloride | | **137** | mg/Kg | 10 | 5 00 |

**Sample: 134107 - Center W Comp**

| | | | | | |
|---|---|---|---|---|---|
| Analysis | Chloride (Titration) | Analytical Method. | SM 4500-Cl B | Prep Method | N/A |
| QC Batch. | 40392 | Date Analyzed | 2007-08-24 | Analyzed By | MM |
| Prep Batch: | 34945 | Sample Preparation | 2007-08-23 | Prepared By | MM |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|---|---|---|---|---|---|
| Chloride | | **405** | mg/Kg | 10 | 5 00 |

**Method Blank (1)** QC Batch 40392

| | | | | | |
|---|---|---|---|---|---|
| QC Batch. | 40392 | Date Analyzed: | 2007-08-24 | Analyzed By | MM |
| Prep Batch | 34945 | QC Preparation. | 2007-08-23 | Prepared By | MM |

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

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

QC Batch 40392 | Date Analyzed. 2007-08-24 | Analyzed By MM
Prep Batch 34945 | QC Preparation. 2007-08-23 | Prepared By MM

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec | Rec. Limit |
|---|---|---|---|---|---|---|---|
| Chloride | 100 | mg/Kg | 1 | 100 | <3.25 | 100 | 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 | 100 | mg/Kg | 1 | 100 | <3.25 | 100 | 90 - 110 | 0 | 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: 134110

QC Batch. 40392 | Date Analyzed 2007-08-24 | Analyzed By MM
Prep Batch 34945 | QC Preparation 2007-08-23 | Prepared By MM

| Param | | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---|---|---|---|---|---|---|---|---|
| Chloride | [1] | 207 | mg/Kg | 4 | 400 | 15 2 | 48 | 84 6 - 117 |

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

| Param | | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec Limit | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | [2] | 212 | mg/Kg | 4 | 400 | 15.2 | 49 | 84.6 - 117 | 2 | 20 |

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

**Standard (ICV-1)**

QC Batch 40392 | Date Analyzed 2007-08-24 | Analyzed By MM

| 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 | 2007-08-24 |

**Standard (CCV-1)**

QC Batch. 40392 | Date Analyzed: 2007-08-24 | Analyzed By. MM

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

| Param | Flag | Units | CCVs True Conc | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | | mg/Kg | 100 | 98 9 | 99 | 85 - 115 | 2007-08-24 |

LAB Order ID # 708 2323 Page 1 of 1

# 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, 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: Mewbourne Oil Company
Phone #:
Address: (Street, City, Zip) PO Box 5270 Hobbs, NM 88240
Fax #:
Contact Person: Robin Terrell
E-mail: rterrell1@valornet.com + Shelly
Invoice to: (If different from above)
Project #: API 30-015-34439
Project Name: Pavo 11 State Com 001
Project Location (including state): 11-18S-29E Eddy County NM
Sampler Signature: Shelly Tucker

## ANALYSIS REQUEST (Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | FIELD CODE | # CONTAINERS | Volume / Amount | MATRIX: WATER | SOIL | AIR | SLUDGE | PRESERVATIVE METHOD: HCl | $HNO_3$ | $H_2SO_4$ | NaOH | ICE | NONE | SAMPLING: DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 104 | Suc Leg Comp | 1 | | | ✓ | | | | | | | | ✓ | 8-17-07 | 1400 |
| 105 | Disch Leg Comp | 1 | | | ✓ | | | | | | | | ✓ | 8-17-07 | 1100 |
| 106 | Center E Comp | 1 | | | ✓ | | | | | | | | ✓ | 8-17-07 | 1200 |
| 107 | Center W Comp | 1 | | | ✓ | | | | | | | | ✓ | 8-17-07 | 1300 |

| 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/200.7 | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | TCLP Pesticides | RCI | GC/MS Vol 8260B / 624 | GC/MS Semi Vol 8270C / 625 | PCB's 8082 / 608 | Pesticides 8081A / 608 | BOD, TSS, pH | Moisture Content | Chlorides | | | | | | | Turn Around Time if different from standard | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | | | | | |

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| Shelly Tucker | 8/20/07 | 4pm | UPS | 8/20/07 | 4pm |
| Relinquished by: | Date: | Time | Received by: | Date | Time |
| Relinquished by | Date | Time | Received at Laboratory by: | Date | Time |
| | | | Sal Mull | 0830 | 1015 |

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

ORIGINAL COPY

**LAB USE ONLY**

Intact (Y) N
Headspace Y (N) N/A
Temp 22
Log-in-Review n/a
Carrier # UPS 1Z 76246E 22 0048 68

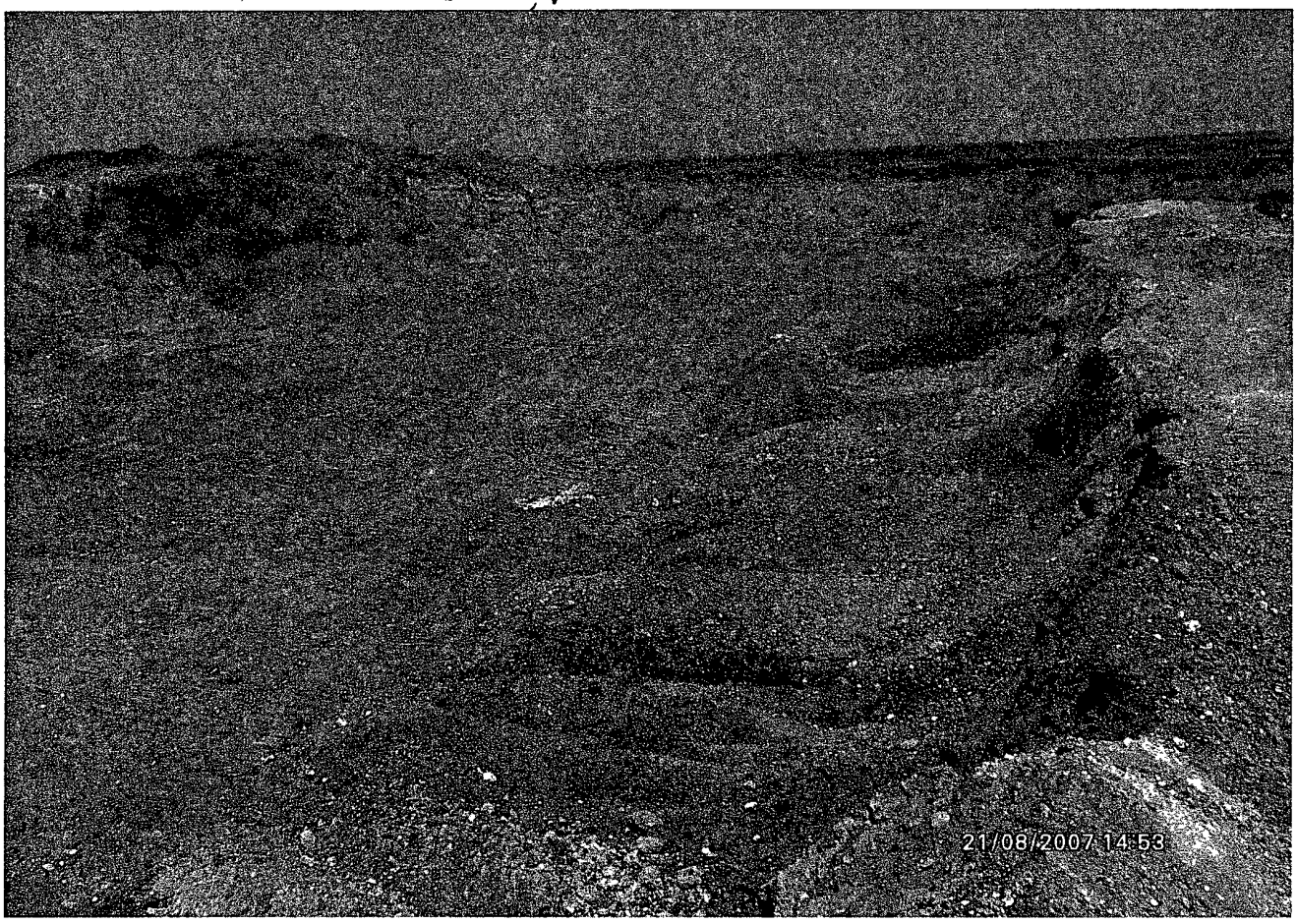
REMARKS.

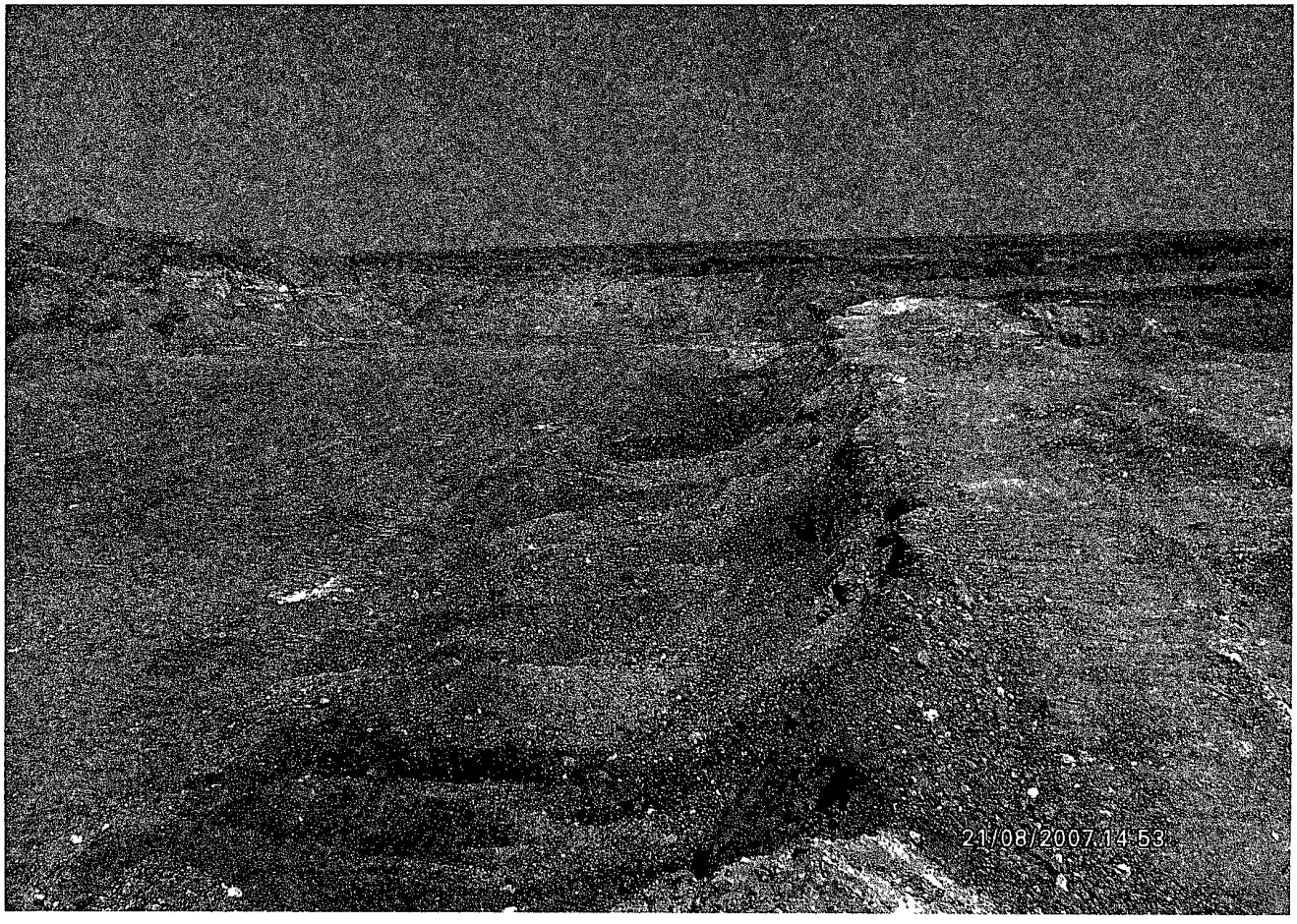
Dry Weight Basis Required
TRRP Report Required
Check If Special Reporting Limits Are Needed


7/23/2007
NEWBOURNE OIL COMPANY
PAVO "11" STATE COM #1
1650' FSL & 660' FEL
SEC. 11, T18S, R29E
EDDY COUNTY, NEW MEXICO
API #30-015-34439

7/23/2007

After the cap

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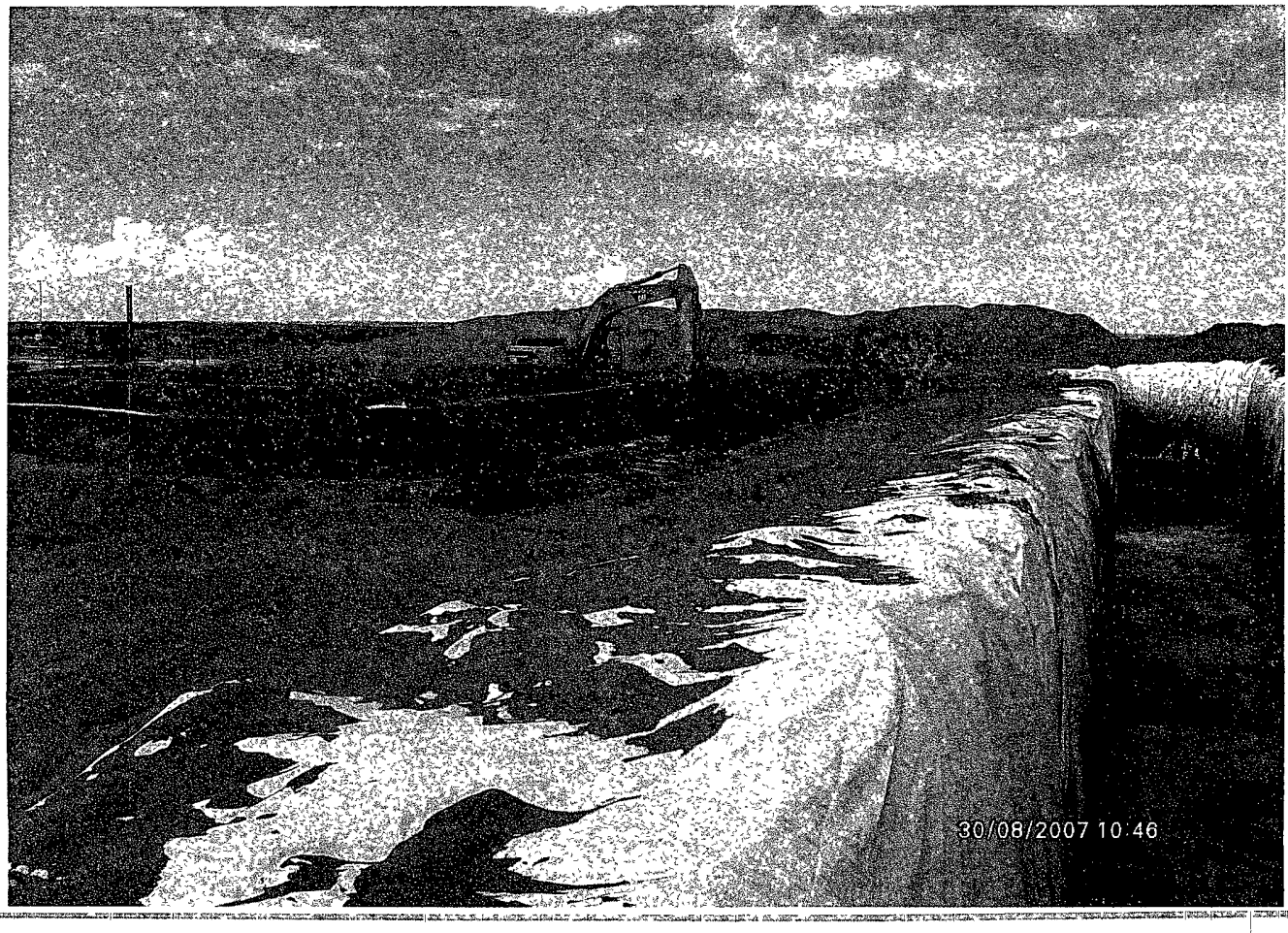
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