

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

December 6, 2007

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

OCD

RE: Bradley 31 Federal Com 001 - Final Pit Closure

JAN 31 2008
OCD-ARTESIA

Bradley 31 Federal Com 001	Depth to Ground Water: 225'
API: 30-015- 35048	Planned Analytical Testing: Chlorides
Sec 31-T18S-R30E	Site Ranking Score: 0 (zero)
1090' FSL & 0770' FWL	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	9' 230mg/kg	Q2	9' 290mg/kg	Q3	9' 210mg/kg
Q4	9' 220mg/kg	Q5	9' 330mg/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:

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

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

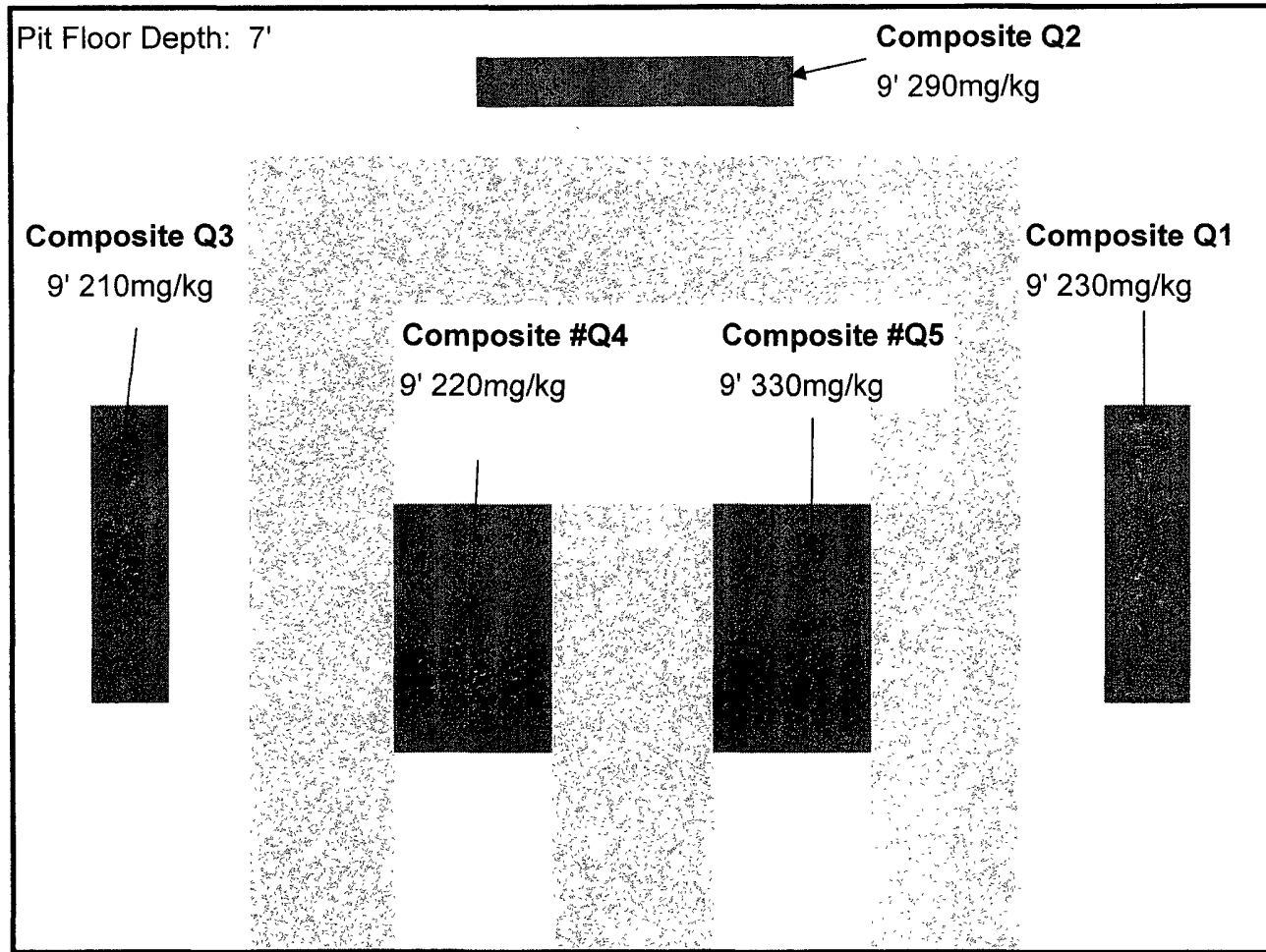
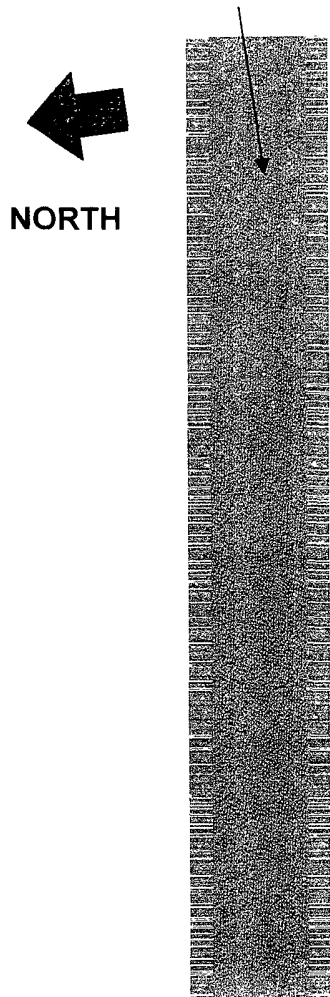
/sjt

Accepted for record
NMOCD

FEB 04 2008

Bradley 31 Federal Com 001
Field Results
Floor 12/06/07

Lined
Burial
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

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

Form C-144
June 1, 2004

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 ☒

III 31 2007
OCD-ARTESIA

Operator: <u>Newbourne Oil Co.</u> Telephone: <u>505-893-5915</u> e-mail address: _____				
Address: <u>701 S. Cecil Hobbs h.m. 88240</u>				
Facility or well name: <u>Bradley 36#1</u> API #: <u>80-015-34893</u> U/L or Qtr/Qu: <u>J</u> Sec: <u>36</u> T: <u>18</u> S: <u>R29</u> IE: _____				
County: <u>Goody</u> Latitude: <u>N32-48-4.3</u> Longitude: <u>W104-1-28.2</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>				
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>				
<table border="1"> <tr> <td> 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"/> Pit Volume <u>5,000</u> bbl </td> <td> Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____ </td> </tr> </table>			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"/> Pit Volume <u>5,000</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____
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"/> Pit Volume <u>5,000</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ 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.)	Less than 50 feet 50 feet or more, but less than 100 feet <u>100 feet or more</u>	(20 points) (10 points) (0 points) <u>150</u>		
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes <u>No</u>	(20 points) (0 points)		
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet <u>1000 feet or more</u>	(20 points) (10 points) (0 points)		
Ranking Score (Total Points)		<u>150</u>		

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility: _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results.

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

Additional Comments: Closure work plan for drilling pit. Category 2 location: The drilling pit contents will be excavated from the pit area.
After 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.

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: 7-30-07 Printed Name/Title: Jeff Eames/Agent - Newbourne 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: _____
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 submitted to OCD prior to back-filling.

Signed By: Mike Brannan

Signature

Date:

AUG 03 2007

If burial trench is to be constructed in pit area, samples are to be obtained

MEWBOURNE OIL COMPANY

BRADLEY "36" STATE COM #1

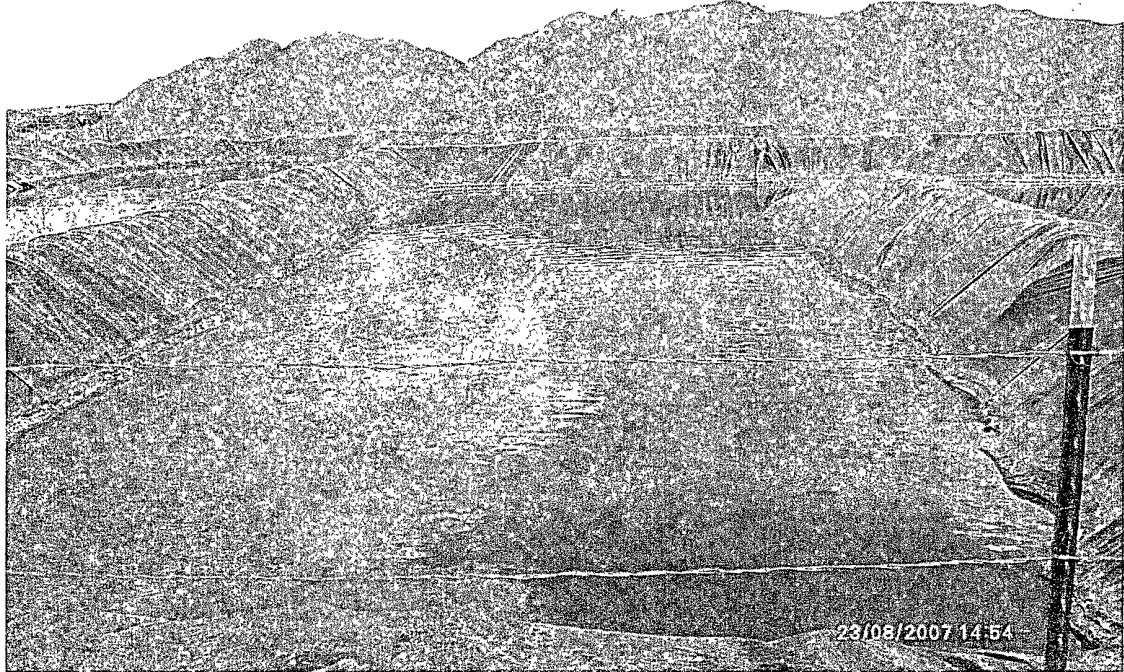
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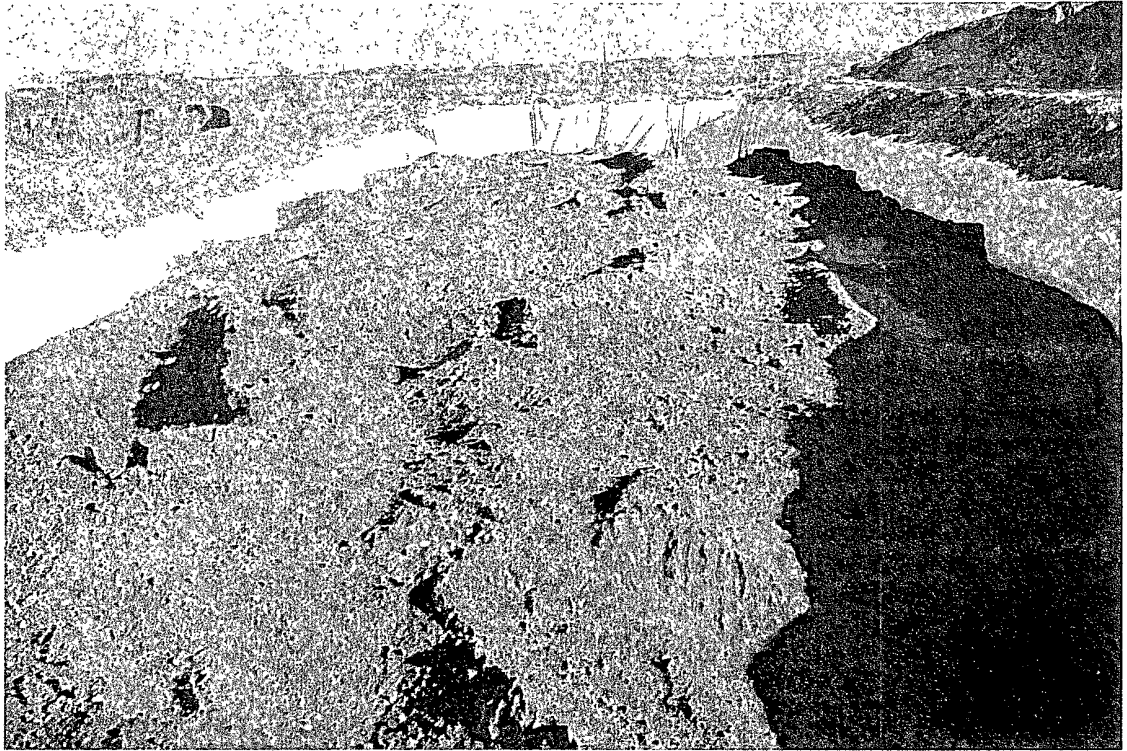
SEC. 36, T18S, R29E

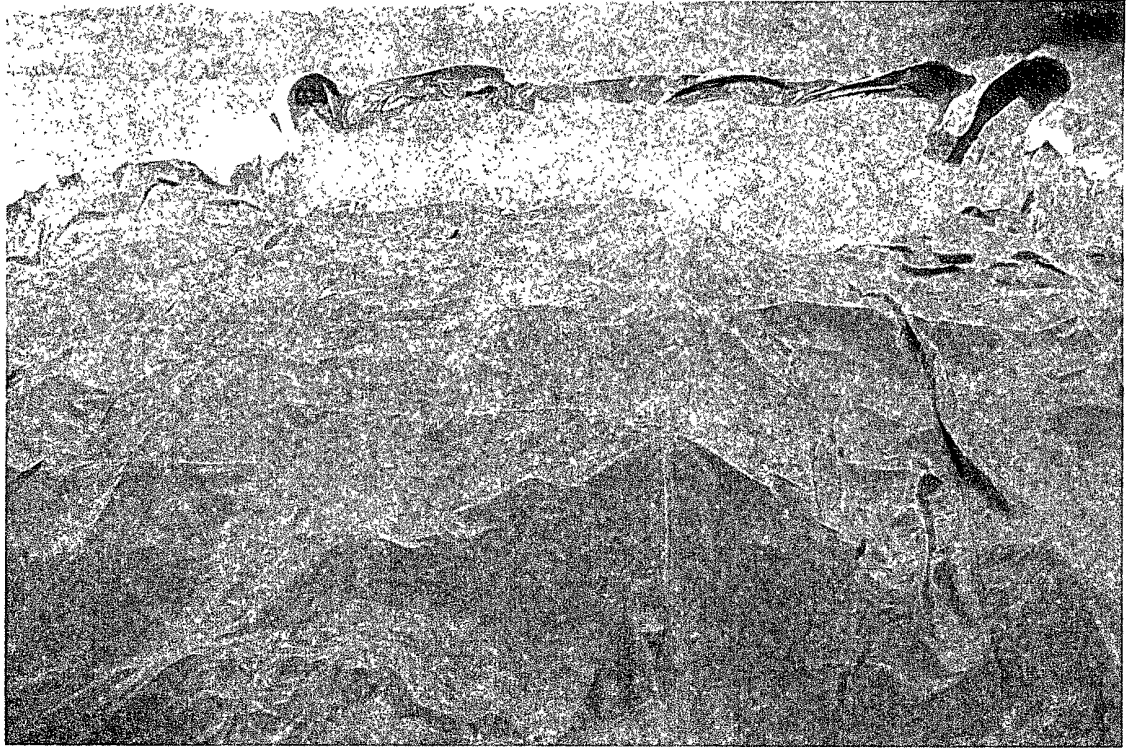
EDDY CO., NM LSE #E-1819-4

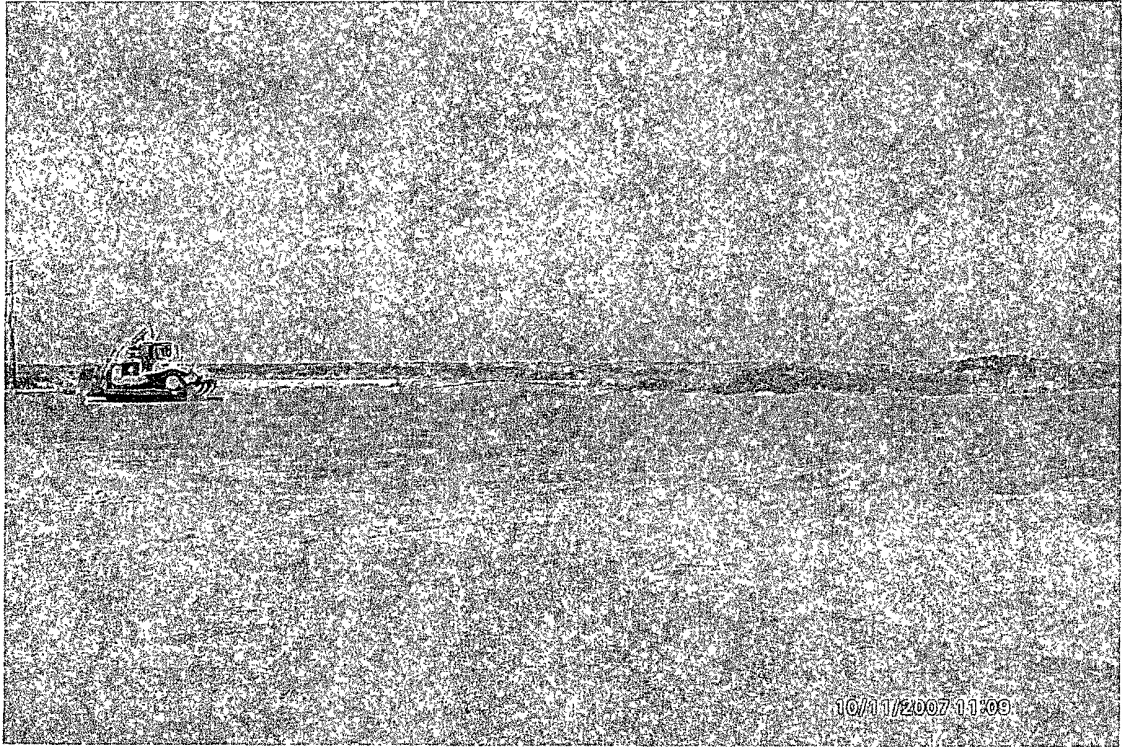
API #30-Q15-34893

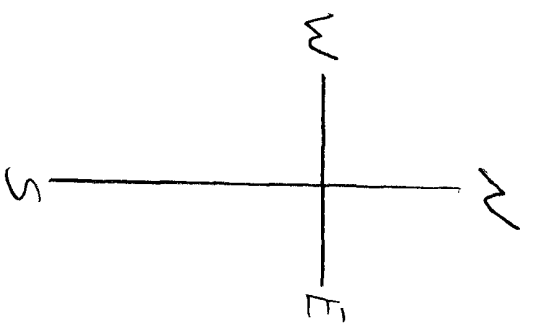
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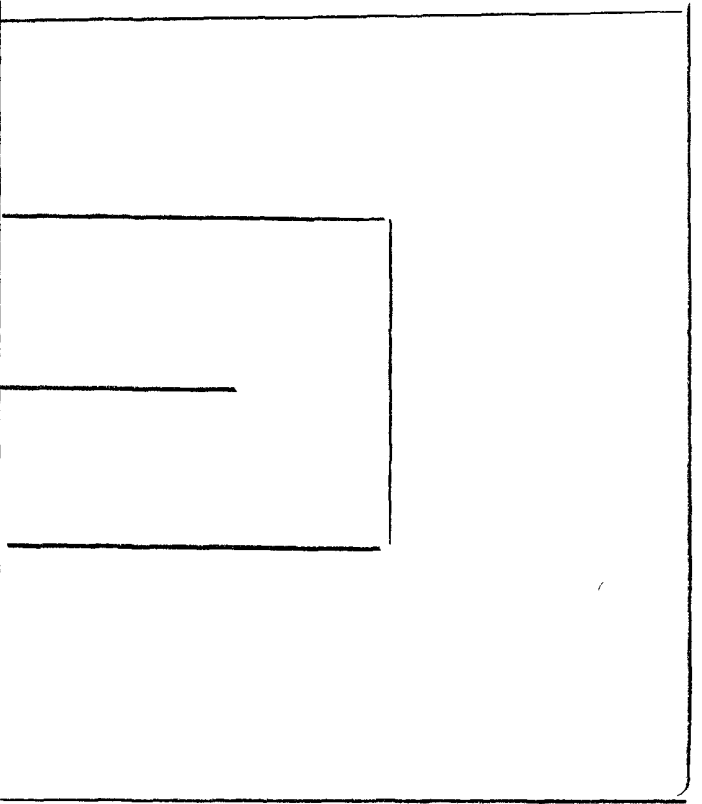
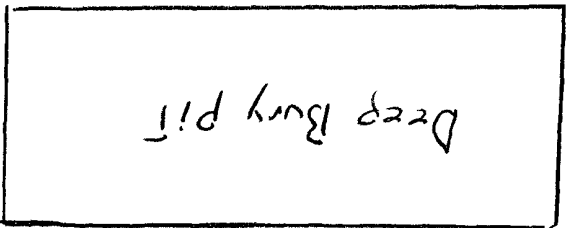




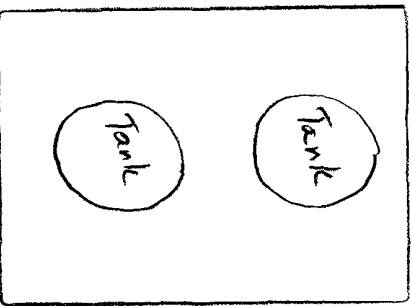




New Bourne
Bradley 36 STL



O well



Power

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
200 East Sunset Road, Suite E
5002 Basin Street, Suite A1
8808 Camp Bowie Blvd West, Suite 180

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79922 888•588•3443
Midland, Texas 79703
Ft Worth, Texas 76116
E-Mail lab@traceanalysis.com

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944
432•689•6301 FAX 432•689•6313
817•201•5260 FAX 817•560•4336

Bill To: Mewbourne Oil Company
P. O. Box 5270
Hobbs, NM 88220

Attn: Robin Terrell

Invoice No. 27343



Lab Location: Midland
Invoice Date: 2008-01-15
Payment Due: 2008-02-14

Work Order: 8010901
Project Location: Sec 31-T185-R365/Eddy County, NM
Project Name: Bradley 31 Fed 001
Project Number: API 30-015

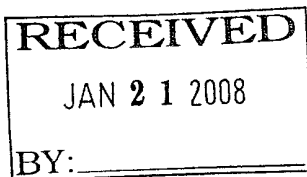
Item	Quantity	Matrix	Description	Price	Sub Total
Chloride (72-Hr. TAT)	5	soil	147212 - 147216	\$25.50	\$127.50

Payment Terms: Net-30

Total \$127.50

Dr. Blair Leftwich, Director

D301/NT



Summary Report

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

Report Date: January 11, 2008

Work Order: 8010901



Project Location: Sec 31-T185-R30E/Eddy County,NM
Project Name: Bradley 31 Fed 001
Project Number: API 30-015

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
147212	Q1-9' comp	soil	2007-12-06	09:00	2008-01-08
147213	Q2-9' comp	soil	2007-12-06	09:15	2008-01-08
147214	Q3-9' comp	soil	2007-12-06	09:30	2008-01-08
147215	Q4-9' comp	soil	2007-12-06	09:45	2008-01-08
147216	Q5-9' comp	soil	2007-12-06	10:00	2008-01-08

Sample: 147212 - Q1-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147213 - Q2-9' comp

Param	Flag	Result	Units	RL
Chloride		188	mg/Kg	2.00

Sample: 147214 - Q3-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147215 - Q4-9' comp

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 147216 - Q5-9' comp

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296
This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: January 11, 2008
API 30-015

Work Order: 8010901
Bradley 31 Fed 001

Page Number: 2 of 2
Sec 31-T185-R30E/Eddy County,NM

Param	Flag	Result	Units	RL
Chloride		108	mg/Kg	2.00

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9

200 East Sunset Road, Suite E

5002 Basin Street, Suite A1

8808 Camp Bowie Blvd West, Suite 180

Lubbock, Texas 79424

El Paso, Texas 79922

Midland, Texas 79703

Ft Worth, Texas 76116

800•378•1296

888•588•3443

E-Mail lab@traceanalysis.com

806•794•1296

915•585•3443

432•689•6301

817•201•5260

FAX 806•794•1298

FAX 915•585•4944

FAX 432•689•6313

FAX 817•560•4336

Analytical and Quality Control Report

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

Report Date. January 11, 2008

Work Order: 8010901



Project Location: Sec 31-T185-R30E/Eddy County,NM

Project Name: Bradley 31 Fed 001

Project Number: API 30-015

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
147212	Q1-9' comp	soil	2007-12-06	09:00	2008-01-08
147213	Q2-9' comp	soil	2007-12-06	09:15	2008-01-08
147214	Q3-9' comp	soil	2007-12-06	09:30	2008-01-08
147215	Q4-9' comp	soil	2007-12-06	09:45	2008-01-08
147216	Q5-9' comp	soil	2007-12-06	10:00	2008-01-08

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 Bradley 31 Fed 001 were received by TraceAnalysis, Inc on 2008-01-08 and assigned to work order 8010901. Samples for work order 8010901 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 8010901 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: 147212 - Q1-9' comp

Analysis: Chloride (Titration)
QC Batch: 44556
Prep Batch: 38372

Analytical Method: SM 4500-Cl B
Date Analyzed: 2008-01-10
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Sample: 147213 - Q2-9' comp

Analysis: Chloride (Titration)
QC Batch: 44556
Prep Batch: 38372

Analytical Method: SM 4500-Cl B
Date Analyzed: 2008-01-10
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		188	mg/Kg	50	2.00

Sample: 147214 - Q3-9' comp

Analysis: Chloride (Titration)
QC Batch: 44556
Prep Batch: 38372

Analytical Method: SM 4500-Cl B
Date Analyzed: 2008-01-10
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Sample: 147215 - Q4-9' comp

Analysis: Chloride (Titration)
QC Batch: 44556
Prep Batch: 38372

Analytical Method: SM 4500-Cl B
Date Analyzed: 2008-01-10
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Sample: 147216 - Q5-9' comp

Analysis: Chloride (Titration)
QC Batch: 44556
Prep Batch: 38372

Analytical Method: SM 4500-Cl B
Date Analyzed: 2008-01-10
Sample Preparation:

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

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		108	mg/Kg	50	2.00

Method Blank (1) QC Batch: 44556

QC Batch: 44556 Date Analyzed: 2008-01-10 Analyzed By: AR
Prep Batch: 38372 QC Preparation: 2008-01-10 Prepared By: AR

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

Laboratory Control Spike (LCS-1)

QC Batch: 44556 Date Analyzed: 2008-01-10 Analyzed By: AR
Prep Batch: 38372 QC Preparation: 2008-01-10 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<0.500	98	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	99.2	mg/Kg	1	100	<0.500	99	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 147221

QC Batch: 44556 Date Analyzed: 2008-01-10 Analyzed By: AR
Prep Batch: 38372 QC Preparation: 2008-01-10 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	4750	mg/Kg	50	5000	<25.0	95	85 - 115

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	4800	mg/Kg	50	5000	<25.0	96	85 - 115	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: 44556 Date Analyzed: 2008-01-10 Analyzed By: AR

Report Date January 11, 2008
API 30-015

Work Order 8010901
Bradley 31 Fed 001

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Sec 31-T185-R30E/Eddy County,NM

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2008-01-10

Standard (CCV-1)

QC Batch: 44556

Date Analyzed: 2008-01-10

Analyzed By: AR

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	2008-01-10

