

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

October 12, 2007

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

RE: Gatling 16 Federal 001 - Final Pit Closure

Gatling 16 Federal 001
API: 30-015- **35004**
Sec 16-T20S-R29E
1980' FNL & 660' FEL

Depth to Ground Water: 75'
Planned Analytical Testing: Chlorides
Site Ranking Score:
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 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	10' 100mg/kg	Q2	10' 200mg/kg	Q3	10' 90mg/kg
Q4	10' 330mg/kg	Q5	10' 220mg/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 trench 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 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

JAN 10 2008



**Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88240
(505) 393-5905**

August 24, 2007

New Mexico OCD
Attn: Mike Bratcher
1301 West Gande Ave.
Artesia, NM 88210

Re: Gatling "16" Federal Com # 1

On August 22, 2007 a borehole was drilled on the above mentioned location to a depth of 72'. No water was encountered during the drilling of the borehole. The depth of 72' was reached at 11:00 am 8/22/07. The borehole was then left exposed to atmospheric conditions for 24 hrs and tested with a bailer. No water was recovered with the bailer to a depth of 70'. Given this information Mewbourne Oil Company is requesting to deep bury the reserve contents on location. The deep bury pit would be no greater than 20' deep and would comply with all NMOC rules and regulations.

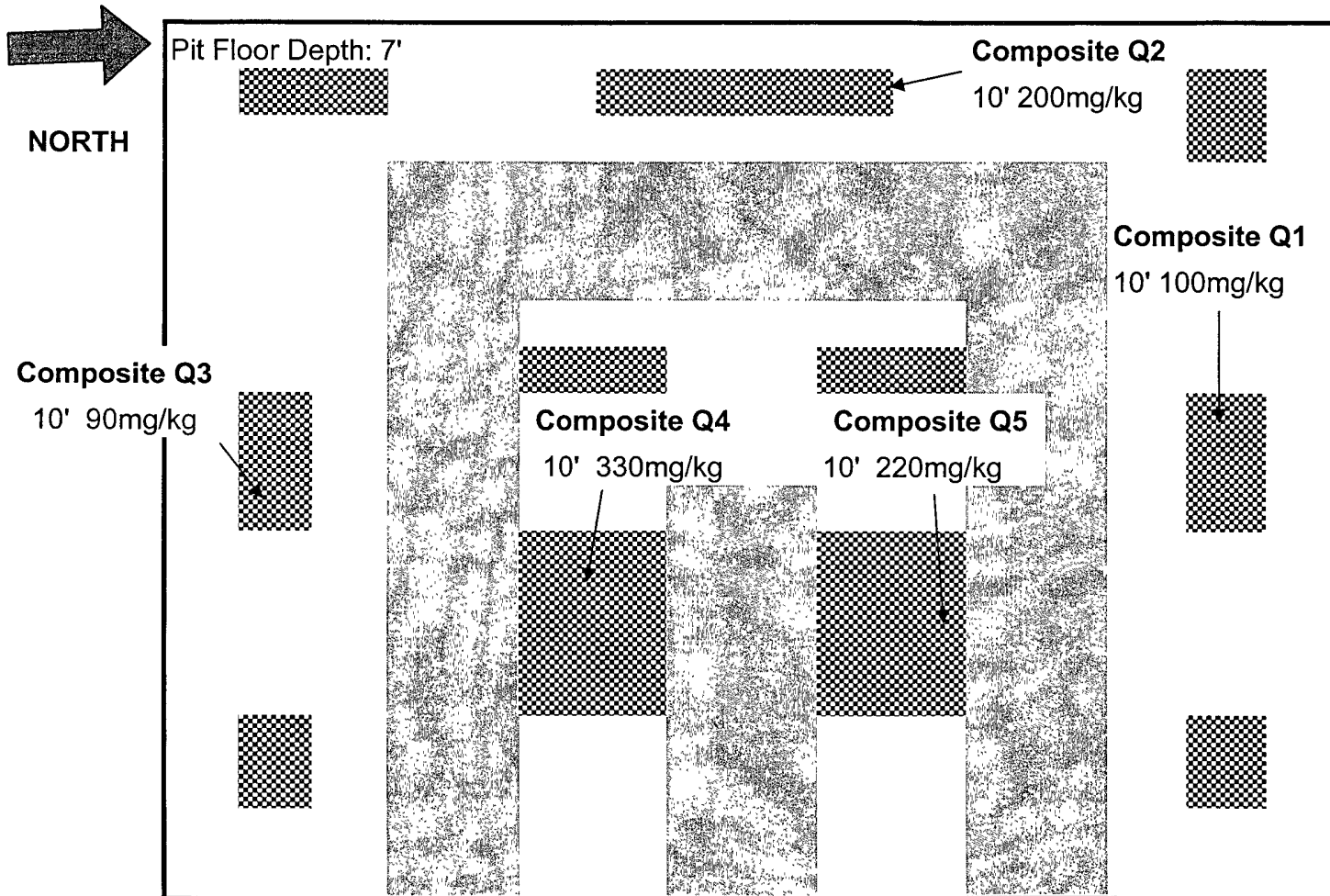
Sincerely,

A handwritten signature in black ink, appearing to read 'Robin Terrell', with a stylized, cursive script.

Robin Terrell

Gatling 16 Federal 001
Field Results
Floor 10/12/07

Lined
Burial
Trench



Valley Energy Services, Inc.

PO Box 207
Loving, NM 88256

Invoice

Date	Invoice #
10/12/2007	633

Bill To
Mewbourne Oil Company Robin Terrell PO Box 5270 Hobbs, NM 88241

Terms	Rep
Due on receipt	SJT

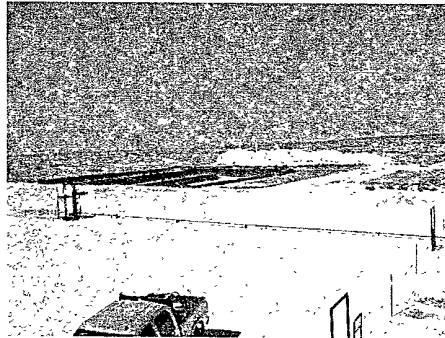
Location
Gatling 16 Federal 001

Quantity	Item Code	Description	Price Each	Amount
4	Enviro Sampling	pulled infield samples for delineation; contacted Mike Bratcher of the NMOCD - approval to close	65.00	260.00T
0.5	Enviro Reports		65.00	32.50T
0.5	Enviro misc	prepared, packaged and sent samples to Trace Analysis for official analyticals	65.00	32.50T
37	Mileage Charge		0.50	18.50T
		New Mexico Sales Tax	6.3125%	21.68
			Total	\$365.18

Gatling "16" Fed. #1



8/20/2007 11:30:05 AM



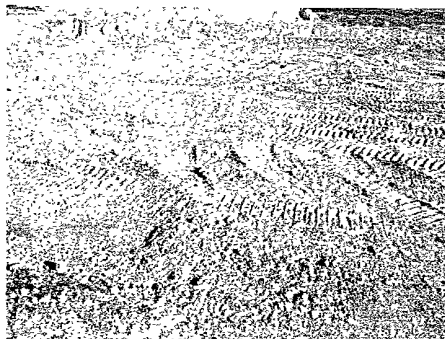
8/20/2007 11:30:39 AM



8/20/2007 11:30:44 AM



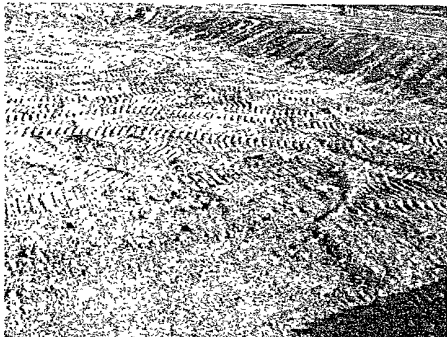
9/27/2007 11:33:24 AM



10/15/2007 9:06:04 AM



10/15/2007 9:06:09 AM



10/15/2007 9:06:14 AM



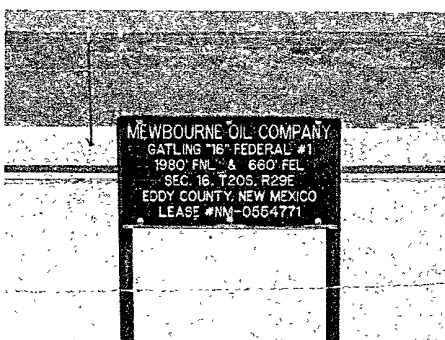
10/15/2007 9:06:47 AM



10/15/2007 9:06:53 AM



10/15/2007 9:06:57 AM



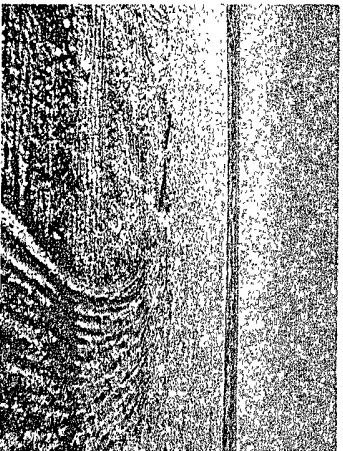
10/15/2007 12:25:53 PM



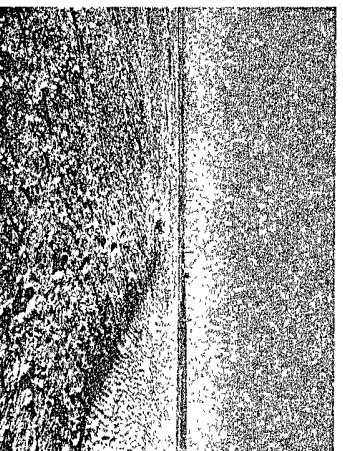
10/29/2007 8:34:20 AM

Photo's taken by TNT Backhoe Service

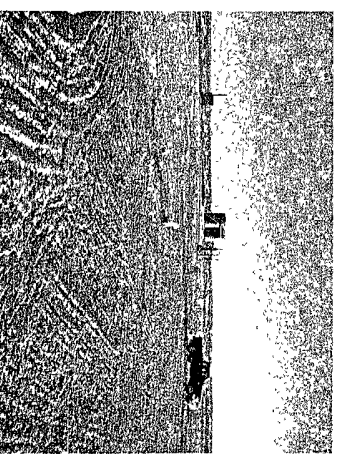
Gatling "16" Fed. #1



10/29/2007 8:34:39 AM



10/29/2007 8:36:12 AM



10/29/2007 8:37:34 AM

Photo's taken by TNT Backhoe Service

Analytical Report

Sample: 142278 - Q1 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43041	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37140	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		85.5	mg/Kg	10	5.00

Sample: 142279 - Q2 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43041	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37140	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		200	mg/Kg	10	5.00

Sample: 142280 - Q3 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43041	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37140	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		50.4	mg/Kg	10	5.00

Sample: 142281 - Q4 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43042	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37141	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		436	mg/Kg	10	5.00

Sample: 142282 - Q5 10'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	43042	Date Analyzed:	2007-11-10	Analyzed By:	MM
Prep Batch:	37141	Sample Preparation:	2007-11-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		131	mg/Kg	10	5 00

Method Blank (1) QC Batch: 43041

QC Batch: 43041 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37140 QC Preparation: 2007-11-09 Prepared By: MM

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

Method Blank (1) QC Batch: 43042

QC Batch: 43042 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37141 QC Preparation: 2007-11-14 Prepared By: MM

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

Laboratory Control Spike (LCS-1)

QC Batch: 43041 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37140 QC Preparation: 2007-11-09 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	102	mg/Kg	1	100	<3.25	102	96.1 - 103

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<3.25	100	96.1 - 103	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 43042 Date Analyzed: 2007-11-10 Analyzed By: MM
Prep Batch: 37141 QC Preparation: 2007-11-14 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<3.25	100	96.1 - 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	99.4	mg/Kg	1	100	<3.25	99	96.1 - 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: 142280

QC Batch: 43041
Prep Batch: 37140

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-09

Analyzed By: MM
Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	512	mg/Kg	10	500	50.356	92	80 - 120

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	504	mg/Kg	10	500	50.356	91	80 - 120	2	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: 142290

QC Batch: 43042
Prep Batch: 37141

Date Analyzed: 2007-11-10
QC Preparation: 2007-11-14

Analyzed By: MM
Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 862	mg/Kg	10	500	494.717	73	80 - 120

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	² 884	mg/Kg	10	500	494.717	78	80 - 120	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: 43041

Date Analyzed: 2007-11-10

Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2007-11-10

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

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

Standard (CCV-1)

QC Batch: 43041

Date Analyzed: 2007-11-10

Analyzed By: MM

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-11-10

Standard (ICV-1)

QC Batch: 43042

Date Analyzed: 2007-11-10

Analyzed By: MM

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	2007-11-10

Standard (CCV-1)

QC Batch: 43042

Date Analyzed: 2007-11-10

Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2007-11-10

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 Baslin 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

8808 Camp Bowie Blvd West Suite 180
Ft Worth, Texas 76116
Tel (817) 201-5250
Fax (817) 560-4336

Company Name: Merburne Oil Company (MOC)
Address: 10001 (Street, City, Zip)
Contact Person: Bob Terrell
Phone #: _____
Fax #: _____
E-mail: Bob Terrell
Invoice to: _____
(If different from above)
Project #: _____
Project Location (including state): Eddy County NM
Project Name: Gather 16 Field
Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD						SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
142278	Q1 10'	1			X							X	X	10/27/1300	
279	Q2 10'	1			X							X	X	1300	
280	Q3 10'	1			X							X	X	1400	
281	Q4 10'	1			X							X	X	1400	
282	Q5 10'	1			X							X	X	10/27/1500	
														</	

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	
BTX 8021B / 602 / 8260B / 624	
TPH 418 : 1 TX1005 / TX1006 EX(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 3260B / 624	
GC/MS Semi Vol 8270C / 625	
PCB 5 3082 / 608	
Pesticides 3081A / 608	
BOD TSS pH	
Moisture Content	
Turn Around Time if different from standard	

REMARKS:

LAB USE ONLY

Relinquished by: Sherry Jackson Date: 11/07/13 Time: 1700 Temp: 1700
Relinquished by: _____ Date: _____ Time: _____ Temp: _____
Relinquished by: _____ Date: _____ Time: _____ Temp: _____

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

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

Carrier # Bus C-L-I 3043565170

ORIGINAL COPY

