

NM1 - 1

**GENERAL
CORRESPONDENCE**

YEAR(S):

2005 - 1996



Whole Earth Environmental, Inc.

2103 Arbor Cove
Katy, Tx. 77494
281.394.2050
whearth@msn.com

2005 APR 14 AM 11 26

March 12, 2005

NMOCD
1220 South Saint Francis Dr.
Sante Fe, NM 87505

Attn: Wayne Price

Dear Wayne:

Attached, please find a copy of the lab results for Tipperary Corporation's Lane Salt Lake Remediation Project along with a copy of a photo showing the sampling location complete with reference landmarks. As you can see from the photo, we didn't go too far from the pit edge to sample.

Although the entire lake area still smells like a pair of old gym sox, there is apparently no BTEX in the water.

Warmest personal regards,

Mike Griffin
President
Whole Earth Environmental, Inc.

CC: Larry Sugano / Tipperary Corp.
Paul Sheeley / NMOCD Hobbs



ARDINAL LABORATORIES

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WHOLE EARTH ENVIRONMENTAL
ATTN: M. GRIFFIN
2103 ARBOR COVE
KATY, TX 77494
FAX TO: (281) 394-2051

Receiving Date: 04/04/05
Reporting Date: 04/08/05
Project Number: NOT GIVEN
Project Name: TIPPERARY LSL
Project Location: TATUM, NM

Sampling Date: 04/04/05
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		04/05/05	04/05/05	04/05/05	04/05/05
H9677-1	LSL	<0.002	<0.002	<0.002	<0.006
Quality Control		0.106	0.097	0.102	0.318
True Value QC		0.100	0.100	0.100	0.300
% Recovery		106	97.2	102	106.0
Relative Percent Difference		6.0	2.8	2.1	5.5

METHOD: EPA SW-846 8260

Chemist

Date

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• CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Merland, Hobbs, NM 88240
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of [illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.



Price, Wayne

From: Mike Griffin [whearth@msn.com]
Sent: Wednesday, February 16, 2005 9:46 AM
To: Price, Wayne
Subject: Re: Request for Closure Lane Salt Lake OCD Case # NM 1001 ORDER R-3238

Good morning, Wayne:

I did a "pre-sample" of the playa last week in a couple of spots & found benzene in the soil at .022 & .046 ppm. Couldn't really get a reliable water sample. As you may recall, up to six brine disposal facilities operated on the fringe of Lane Salt Lake. These facilities were never closed in accordance with OCD rules and resultantly, Tipperary was the only operator that followed OCD Guidelines.

There is a layer of black iron oxide like material found within the entire playa (I must have walked a couple of miles through that goop to check all of the edges) at a depth of about 1' below ground surface. It gives off a hydrocarbon sheen everywhere I sampled.

The playa area of the lake was not previously sampled in any Tipperary related activities - only the water within the three individual monitor well sites. With the high chloride concentrations within the playa, we're not getting a lot of microbial degradation of the hydrocarbons and it's doubtful that we ever will. I've included a photo of one of the samples sent to the lab. There are acres of the stuff ranging from a few inches to about one foot thick throughout the playa.

Tipperary is naturally reluctant to take on responsibility for the remediation of the entire playa - partially because they were the only operator to clean up their own facility in accordance with the rules and secondarily because it was never a part of the original closure. The lab analysis does the OCD guidelines for soil; they do not now (and will not for many decades to come) meet Safe Drinking Water Act standards.

Do you have any suggestions?

Mike Griffin

----- Original Message -----

From: Price, Wayne
Sent: Wednesday, January 26, 2005 12:54 PM
To: 'lsugano@tipperarycorp.com'
Cc: Mike Griffin (E-mail); Sheeley, Paul; Johnson, Larry
Subject: Request for Closure Lane Salt Lake OCD Case # NM 1001 ORDER R-3238

Dear Mr. Sugano:

OCD is in receipt of the request for closure dated November 02, 2004. OCD hereby approves of the request with the following conditions:

1. Please collect a final sample between where the last overflow pit was installed and in the natural drainage path going to the lake. The sample site shall be no more than 100 yards from the last pit. Please dig down approximately two feet in this area and collect a soil sample and water sample (if water is present) and analyze for BTEX EPA method 8021.
2. This sample collection must be witnessed by OCD and performed pursuant to EPA methods. Please make arrangements with the Hobbs District office.
3. Please provide photos documentation of the area.

4/14/2005

4. If the samples collected are negative or below WQCC groundwater standards then Tipperary may close the monitor wells.

Please provide to this office a final report by March 15, 2005.

Sincerely:

Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

cc: Mr. Carl Lane Johnson-Landowner

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4/14/2005

Price, Wayne

From: Price, Wayne
Sent: Wednesday, January 26, 2005 11:53 AM
To: 'Isugano@tipperarycorp.com'
Cc: Mike Griffin (E-mail); Sheeley, Paul; Johnson, Larry
Subject: Request for Closure Lane Salt Lake OCD Case # NM 1001 ORDER R-3238

Dear Mr. Sugano:

OCD is in receipt of the request for closure dated November 02, 2004. OCD hereby approves of the request with the following conditions:

1. Please collect a final sample between where the last overflow pit was installed and in the natural drainage path going to the lake. The sample site shall be no more than 100 yards from the last pit. Please dig down approximately two feet in this area and collect a soil sample and water sample (if water is present) and analyze for BTEX EPA method 8021.
2. This sample collection must be witnessed by OCD and performed pursuant to EPA methods. Please make arrangements with the Hobbs District office.
3. Please provide photos documentation of the area.
4. If the samples collected are negative or below WQCC groundwater standards then Tipperary may close the monitor wells.

Please provide to this office a final report by March 15, 2005.

Sincerely:

Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

cc: Mr. Carl Lane Johnson-Landowner



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202-3622

November 2, 2004

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

**RE: Progress Report and Request for Final Closure
Lane Salt Lake Project
SE Section 12 and NE Section 13-T10S-R32E
Lea County, NM**

Dear Mr. Price:

Please find enclosed the 2004 results from our three monitor wells in the subject project area. We have also enclosed the 2002 and 2003 monitoring results again for your information. All of the enclosed results are negative.

The pit remediation and closure began in October 1995. The three monitor wells were constructed in August 1998 and annual monitoring commenced. The sampling results over the last three years have all been negative.

We respectfully request final closure of this project and permission to remove the monitor wells. If you have any questions, please call me at (303) 293-9379.

Very truly yours,

Tipperary Oil & Gas Corporation

Larry G. Sugano
Vice President – Engineering

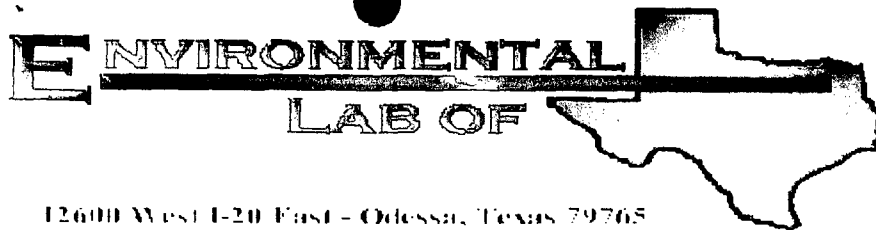
Enclosures

LSUGANO@TIPPERARYCORP.

COM

cc: Mr. Paul Sheeley
NMOCD Hobbs Office

Whole Earth Environmental



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

Project: Lane Salt Lake

Project Number: None Given

Location: None Given

Lab Order Number: 4J04014

Report Date: 10/13/04

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Lane Salt Lake
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
10/13/04 17:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit	4J04014-01	Water	10/02/04 00:00	10/03/04 13:00
Center	4J04014-02	Water	10/02/04 00:00	10/03/04 13:00
Lake	4J04014-03	Water	10/02/04 00:00	10/03/04 13:00

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Lane Salt Lake
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
10/13/04 17:05

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pit (4J04014-01) Water									
Benzene	J [0.00569]	0.0100	mg/L	10	EJ41302	10/12/04	10/12/04	EPA 8021B	J
Toluene	J [0.00372]	0.0100	"	"	"	"	"	"	J
Ethylbenzene	J [0.00465]	0.0100	"	"	"	"	"	"	J
Xylene (p/m)	0.0109	0.0100	"	"	"	"	"	"	
Xylene (o)	J [0.00437]	0.0100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		96.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	
Center (4J04014-02) Water									
Benzene	J [0.00418]	0.0100	mg/L	10	EJ41302	10/12/04	10/12/04	EPA 8021B	J
Toluene	J [0.00194]	0.0100	"	"	"	"	"	"	J
Ethylbenzene	J [0.00278]	0.0100	"	"	"	"	"	"	J
Xylene (p/m)	J [0.00639]	0.0100	"	"	"	"	"	"	J
Xylene (o)	J [0.00239]	0.0100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.5 %	80-120		"	"	"	"	
Lake (4J04014-03) Water									
Benzene	ND	0.0100	mg/L	10	EJ41302	10/12/04	10/12/04	EPA 8021B	
Toluene	J [0.00274]	0.0100	"	"	"	"	"	"	J
Ethylbenzene	J [0.00348]	0.0100	"	"	"	"	"	"	J
Xylene (p/m)	0.0107	0.0100	"	"	"	"	"	"	
Xylene (o)	J [0.00346]	0.0100	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		117 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 5

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Lane Salt Lake
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
10/13/04 17:05

Organics by GC - Quality Control
Environmental Lab of Texas

Analytic	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ41302 - EPA 5030C (GC)

Blank (EJ41302-BLK1)

Prepared & Analyzed: 10/12/04

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	23.8		ug/l	20.0		119	80-120			
Surrogate: 4-Bromofluorobenzene	19.7		"	20.0		98.5	80-120			

LCS (EJ41302-BS1)

Prepared & Analyzed: 10/12/04

Benzene	111		ug/l	100		111	80-120			
Toluene	111		"	100		111	80-120			
Ethylbenzene	112		"	100		112	80-120			
Xylene (p/m)	225		"	200		112	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	19.8		"	20.0		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	20.9		"	20.0		104	80-120			

LCS Dup (EJ41302-BSD1)

Prepared & Analyzed: 10/12/04

Benzene	109		ug/l	100		109	80-120	1.82	20	
Toluene	113		"	100		113	80-120	1.79	20	
Ethylbenzene	107		"	100		107	80-120	4.57	20	
Xylene (p/m)	226		"	200		113	80-120	0.889	20	
Xylene (o)	106		"	100		106	80-120	8.14	20	
Surrogate: a,a,a-Trifluorotoluene	20.4		"	20.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	18.3		"	20.0		91.5	80-120			

Calibration Check (EJ41302-CCV1)

Prepared & Analyzed: 10/12/04

Benzene	105		ug/l	100		105	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	206		"	200		103	80-120			
Xylene (o)	100		"	100		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.1		"	20.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	20.7		"	20.0		104	80-120			

Environmental Lab of Texas

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Page 3 of 5

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Lane Salt Lake
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
10/13/04 17:05

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ41302 - EPA 5030C (GC)

Matrix Spike (EJ41302-MS1)

Source: 4J07008-02

Prepared & Analyzed: 10/12/04

Benzene	109		ug/l	100	ND	109	80-120			
Toluene	108		"	100	ND	108	80-120			
Ethylbenzene	110		"	100	0.335	110	80-120			
Xylene (p/m)	215		"	200	0.810	107	80-120			
Xylene (o)	111		"	100	0.336	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.7		"	20.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	22.2		"	20.0		111	80-120			

Matrix Spike Dup (EJ41302-MSD1)

Source: 4J07008-02

Prepared & Analyzed: 10/12/04

Benzene	109		ug/l	100	ND	109	80-120	0.00	20	
Toluene	112		"	100	ND	112	80-120	3.64	20	
Ethylbenzene	108		"	100	0.335	108	80-120	1.83	20	
Xylene (p/m)	217		"	200	0.810	108	80-120	0.930	20	
Xylene (o)	104		"	100	0.336	104	80-120	6.51	20	
Surrogate: a,a,a-Trifluorotoluene	22.1		"	20.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	21.2		"	20.0		106	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 5

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove
Katy TX, 77494

Project: Lane Salt Lake

Project Number: None Given

Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:

10/13/04 17:05

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

10/13/04

Raland K. Tuttle, Lab Manager

Celey D. Keene, Lab Director, Org. Tech Director

Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist

Sandra Biezugbe, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 5

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Sampler Signature:

[illegible]

ANALYTICAL REPORT

Prepared for:

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Project: Tipperary LSL

PO#:

Order#: G0307934

Report Date: 11/18/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0307934
Project:
Project Name: Tipperary LSL
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0307934-01	North	WATER	11/10/03 10:00	11/12/03 9:30	40 ml glass	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 17 C		
	8021B/5030 BTEX					
0307934-02	Central	WATER	11/10/03 10:30	11/12/03 9:30	40 ml glass	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 17 C		
	8021B/5030 BTEX					
0307934-03	South	WATER	11/10/03 11:15	11/12/03 9:30	40 ml glass	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 17 C		
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0307934
Project:
Project Name: Tipperary LSL
Location: None Given

Lab ID: 0307934-01
Sample ID: North

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0007453-02		11/17/03	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	107%	80	120
Bromofluorobenzene	113%	80	120

Lab ID: 0307934-02
Sample ID: Central

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0007453-02		11/17/03	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	85%	80	120
Bromofluorobenzene	93%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0307934
Project:
Project Name: Tipperary LSL
Location: None Given

Lab ID: 0307934-03
Sample ID: South

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0007453-02		11/17/03	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	100%	80	120

Approval: *Raland K. Tuttle* 11-19-03
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307934

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0007453-02			<0.001		
Toluene-mg/L		0007453-02			<0.001		
Ethylbenzene-mg/L		0007453-02			<0.001		
p/m-Xylene-mg/L		0007453-02			<0.001		
o-Xylene-mg/L		0007453-02			<0.001		
MS							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0307956-01	0	0.1	0.105	105.%	
Toluene-mg/L		0307956-01	0	0.1	0.100	100.%	
Ethylbenzene-mg/L		0307956-01	0	0.1	0.095	95.%	
p/m-Xylene-mg/L		0307956-01	0	0.2	0.190	95.%	
o-Xylene-mg/L		0307956-01	0	0.1	0.091	91.%	
MSD							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0307956-01	0	0.1	0.108	108.%	2.8%
Toluene-mg/L		0307956-01	0	0.1	0.104	104.%	3.9%
Ethylbenzene-mg/L		0307956-01	0	0.1	0.099	99.%	4.1%
p/m-Xylene-mg/L		0307956-01	0	0.2	0.199	99.5%	4.6%
o-Xylene-mg/L		0307956-01	0	0.1	0.094	94.%	3.2%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0007453-05		0.1	0.104	104.%	
Toluene-mg/L		0007453-05		0.1	0.098	98.%	
Ethylbenzene-mg/L		0007453-05		0.1	0.094	94.%	
p/m-Xylene-mg/L		0007453-05		0.2	0.189	94.5%	
o-Xylene-mg/L		0007453-05		0.1	0.093	93.%	

**12600 West I-20 East
Odessa, Texas 79763**

Phone: 915-563-1800
Fax: 915-563-1713

Project Manager:

Project Name:

Company Name Whole Earth / Tipping

Project #:

Company Address: 19606 Jay (reborn)

Project Loc:

City/State/Zip: Houston TX 77074

PO #:

Telephone No: 011-26109611 Fax No: 011-26109612

Fax No:

Sampler Signature:

[illegible]

ANALYTICAL REPORT

Prepared for:

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Project: Tipperary

PO#:

Order#: G0204813

Report Date: 10/29/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0204813
Project: None Given
Project Name: Tipperary
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204813-01	Lane Salt Lake #1	WATER	10/20/02 14:00	10/21/02 12:50	40 mL VOA	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8021B/5030 BTEX					
0204813-02	Lane Salt Lake #2	WATER	10/20/02 14:15	10/21/02 12:50	40 mL VOA	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8021B/5030 BTEX					
0204813-03	Lane Salt Lake #3	WATER	10/20/02 14:30	10/21/02 12:50	40 mL VOA	Ice, HCl
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204813
Project: None Given
Project Name: Tipperary
Location: None Given

Lab ID: 0204813-01
Sample ID: Lane Salt Lake #1

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/25/02 11:50	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	104%	80	120
Bromofluorobenzene	104%	80	120

Lab ID: 0204813-02
Sample ID: Lane Salt Lake #2

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/25/02 12:12	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	100%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204813
Project: None Given
Project Name: Tipperary
Location: None Given

Lab ID: 0204813-03
Sample ID: Lane Salt Lake #3

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0003551-02		10/25/02 12:34	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	93%	80	120

Approval: Jeanne McMurrey 10-29-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 2 of 2

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204813

BLANK						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Benzene-mg/L		0003551-02			<0.001	
Ethylbenzene-mg/L		0003551-02			<0.001	
Toluene-mg/L		0003551-02			<0.001	
p/m-Xylene-mg/L		0003551-02			<0.001	
o-Xylene-mg/L		0003551-02			<0.001	
MS						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Benzene-mg/L		0204813-01	0	0.1	0.097	97.%
Ethylbenzene-mg/L		0204813-01	0	0.1	0.102	102.%
Toluene-mg/L		0204813-01	0	0.1	0.097	97.%
p/m-Xylene-mg/L		0204813-01	0	0.2	0.216	108.%
o-Xylene-mg/L		0204813-01	0	0.1	0.104	104.%
MSD						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Benzene-mg/L		0204813-01	0	0.1	0.091	91.%
Ethylbenzene-mg/L		0204813-01	0	0.1	0.094	94.%
Toluene-mg/L		0204813-01	0	0.1	0.092	92.%
p/m-Xylene-mg/L		0204813-01	0	0.2	0.202	101.%
o-Xylene-mg/L		0204813-01	0	0.1	0.098	98.%
SRM						
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery
						RPD
Benzene-mg/L		0003551-05		0.1	0.098	98.%
Ethylbenzene-mg/L		0003551-05		0.1	0.102	102.%
Toluene-mg/L		0003551-05		0.1	0.100	100.%
p/m-Xylene-mg/L		0003551-05		0.2	0.216	108.%
o-Xylene-mg/L		0003551-05		0.1	0.105	105.%



Whole Earth Environmental, Inc.

19606 San Gabriel Houston, Tx. 77084
Tel: 281.492.7077 Fax: 281.646.8996
whearth@msn.net

RECEIVED

JAN 23 2004

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

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

January 19, 2004

Attn: Bill Olson

Dear Bill:

Enclosed, please find copies of the 2003 Lane Salt Lake sampling event. You will note that all samples came back at non-detection levels. I reviewed the records for previous events and found that the 2001 sampling event results had a .052 benzene concentration (well above the .010 standard) so we're not quite ready to call it closed. The pit area continues to re-vegetate and will be indistinguishable from the background within a couple of years.

If you've any questions or comments, please do not hesitate to call.

Warmest personal regards,

Mike Griffin

ENVIRONMENTAL LAB OF TEXAS**SAMPLE WORK LIST**

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0204813
Project: None Given
Project Name: Tipperary
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204813-01	Lane Salt Lake #1	WATER	10/20/02 14:00	10/21/02 12:50	40 mL VOA	Ice, HCl
<u>Lab Testing:</u>		Rejected: No	Temp: 3 C			
8021B/5030 BTEX						
0204813-02	Lane Salt Lake #2	WATER	10/20/02 14:15	10/21/02 12:50	40 mL VOA	Ice, HCl
<u>Lab Testing:</u>		Rejected: No	Temp: 3 C			
8021B/5030 BTEX						
0204813-03	Lane Salt Lake #3	WATER	10/20/02 14:30	10/21/02 12:50	40 mL VOA	Ice, HCl
<u>Lab Testing:</u>		Rejected: No	Temp: 3 C			
8021B/5030 BTEX						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204813
Project: None Given
Project Name: Tippecary
Location: None Given

Lab ID: 0204813-01
Sample ID: Lane Salt Lake #1

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0003551-02		10/25/02	1	1	CK	8021B
		11:50				

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	104%	80	120
Bromofluorobenzene	104%	80	120

Lab ID: 0204813-02
Sample ID: Lane Salt Lake #2

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0003551-02		10/25/02	1	1	CK	8021B
		12:12				

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	100%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: C0204813
Project: None Given
Project Name: Tipperary
Location: None Given

Lab ID: 0204813-03
Sample ID: Lane Salt Lake #3

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003551-02		10/25/02 12:34	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)
aaa-Toluene	92%	80 120
Bromofluorobenzene	93%	80 120

Approval: Sandra Biczugbe 10-29-02
Roland K. Tulde, Lab Director, QA Officer Date
Cecely D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204813

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0003551-02			<0.001		
Ethylbenzene-mg/L		0003551-02			<0.001		
Toluene-mg/L		0003551-02			<0.001		
p/m-Xylene-mg/L		0003551-02			<0.001		
o-Xylene-mg/L		0003551-02			<0.001		
MS	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0204813-01	0	0.1	0.097	97.0%	
Ethylbenzene-mg/L		0204813-01	0	0.1	0.102	102.0%	
Toluene-mg/L		0204813-01	0	0.1	0.097	97.0%	
p/m-Xylene-mg/L		0204813-01	0	0.2	0.216	108.0%	
o-Xylene-mg/L		0204813-01	0	0.1	0.104	104.0%	
MSD	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0204813-01	0	0.1	0.091	91.0%	6.4%
Ethylbenzene-mg/L		0204813-01	0	0.1	0.094	94.0%	8.2%
Toluene-mg/L		0204813-01	0	0.1	0.092	92.0%	5.3%
p/m-Xylene-mg/L		0204813-01	0	0.2	0.202	101.0%	6.7%
o-Xylene-mg/L		0204813-01	0	0.1	0.098	98.0%	5.9%
SRM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0003551-05		0.1	0.098	98.0%	
Ethylbenzene-mg/L		0003551-05		0.1	0.102	102.0%	
Toluene-mg/L		0003551-05		0.1	0.100	100.0%	
p/m-Xylene-mg/L		0003551-05		0.2	0.216	108.0%	
o-Xylene-mg/L		0003551-05		0.1	0.105	105.0%	

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Project #:

Project Name:

ॐ

Fax No.:

[illegible]



Whole Earth Environmental, Inc.

19606 San Gabriel, Houston, Texas 77084
281/492-7077 • Fax: 281/646-8996

RECEIVED

OCT 12 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

October 8, 2001

NMOCD
1220 South St. Francis Dr.
Sante Fe, NM 87505

Attn: Bill Olson

Dear Bill:

Enclosed, please find a copy of the laboratory analytical results for the Lane Salt Lake playa. Monitor Well # 1 is immediately adjacent to the pit site, Well # 2 is located mid-playa and well # 3 is at what was once the lake edge. Since all salt water discharges have been discontinued the lake level has dropped rather dramatically. The new shoreline is about one hundred yards from where it was at the time of the Burro closure.

As you will note, we've still a bit of benzene seeping into the first well but the concentrations are ever diminishing.

Warmest personal regards,

Mike Griffin
President
Whole Earth Environmental, Inc.

Cc: Larry Sugano / Tipperary Corporation

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: MR. MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 281-646-8996

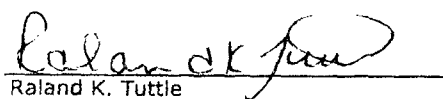
Sample Type: Water
Sample Condition: Intact/ Iced/ HCl/ 0.0 deg C
Project #: None Given
Project Name: Lane Salt Lake
Project Location: Tatum, NM

Sampling Date: 09/22/01
Receiving Date: 09/26/01
Analysis Date: 09/26/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
0101637-01	1	0.131	<0.001	<0.001	<0.001	<0.001
0101637-02	2	<0.001	<0.001	<0.001	<0.001	<0.001
0101637-03	3	<0.001	<0.001	<0.001	<0.001	<0.001

QUALITY CONTROL	0.097	0.095	0.092	0.186	0.089
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	97	95	92	93	89
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.001	<0.001	<0.001	<0.001	<0.001
SPIKE	0.099	0.098	0.094	0.189	0.090
SPIKE DUP	0.099	0.098	0.095	0.191	0.090
%EA	99	98	94	94	90
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001
RPD	0.00	0.00	1.06	2.10	0.00

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

9-27-01
Date

**Nest I-20 East
1, Texas 79763**

Phone: 915-563-1800
Fax: 915-563-1713

Project Name: Lane Salt Lake

Project #:

Project Loc: Tatum, NM

PO #:

Project Manager:

Company Name Whole Earth Environmental, Inc.

Company Address: 19606 San Gabriel

City/State/Zip: Houston, Tx. 77084

Telephone No: 800.854.4358

Fax No: 281.646.8996

Sampler Signature:

ai instructions:

urnished by:
M. Griffin

Date _____

Time

Received by:

Date _____

Time

Furnished by:

Date

Time

Received by ELQ3

310

Time

**Sample Containers Filled
Temperature Upon Receipt**

Laboratory Comments:



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

October 30, 2001

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFIED MAIL

RETURN RECEIPT NO. 7099-3220-0000-5051-2474

Mr. David L. Bradshaw
Burro Pipeline, Corporation
633 17th Street, Suite 1550
Denver, CO 80202

**RE: \$25,000 Bond for Centralized Surface Waste Management Facility
Burro Pipeline, Corporation, Principal
Fidelity and Deposit Company of Maryland, Surety
Sections 12 and 13, Township 10 South, Range 32 East, and
Sections 6 and 7, Township 10 South, Range 33 East, NMPM, Lea Co. NM
Bond No. 04128218**

Dear Mr. Bradshaw:

The New Mexico Oil Conservation Division hereby approves the above-referenced bond for the Burro Pipeline, Corporation.

Sincerely,

A handwritten signature in cursive script, reading "David K. Brooks".

David K. Brooks,
Assistant General Counsel

DKB: mjk

Enclosures: Copy of Bond No. 04128218

xc with attachment:

Hobbs OCD Office

Sandra J. Shryack, IMA, Inc., P.O. Box 2992, Wichita, KS 67201-2992



600 IMA Plaza, 250 North Water
P.O. Box 2992, Wichita, KS 67201-2992
[316] 267-9221, FAX [316] 266-6254
AFFILIATIONS: Assurex, Intersure

MAY 11, 2001

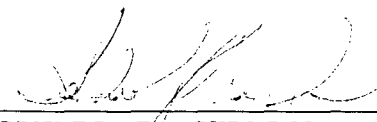
ATTENTION OBLIGEE: NEW MEXICO OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NM 87505

PRINCIPAL: BURRO PIPELINE CORPORATION

THIS BOND # 04128218 WRITTEN THROUGH FIDELITY AND
DEPOSIT COMPANY OF MARYLAND IS BEING FILED TO REPLACE THE CURRENT
BOND YOU HAVE ON FILE, BOND # 123972081 WRITTEN THROUGH
CONTINENTAL CASUALTY COMPANY.

UPON RECEIPT OF THIS REPLACEMENT BOND, PLEASE SEND WRITTEN NOTICE
OF RELEASE ON BOND # 123972081 DIRECTLY TO CNA'S ADDRESS:
SUSIE GILLAM, CNA COMPANY, LIGHTON PLAZA, 7400 COLLEGE BLVD.,
SUITE 225, OVERLAND PARK, KS 66210.

AS BOND BROKER, I WOULD APPRECIATE RECEIVING A COPY OF THE
RELEASE LETTER AND ACCEPTANCE OF THE REPLACEMENT BOND. IF YOU
FIND A PROBLEM WITH THIS REPLACEMENT BOND CONTACT ME DIRECT AT
316-266-6310. THANK YOU FOR YOUR PROMPT ATTENTION TO THIS
MATTER.


SANDRA J. SHRYACK
SR. BOND UNDERWRITER
IMA, INC.
P.O. BOX 2992
WICHITA, KS 67201-2992

**Energy, Minerals and Natural Resources Department
Oil Conservation Division
Surety Bond For Waste Management Facilities
(File with Oil Conservation Division, 2040 South Pacheco Street, Santa Fe, New Mexico 87505)**

BOND NO. 04128218
(For Surety Company Use)

KNOW ALL MEN BY THESE PRESENTS:

That Burro Pipeline Corporation
(an individual, partnership, or a corporation organized in the State of Colorado, with its principal office in the City of Denver, State of Colorado, and authorized to do business in the State of New Mexico), as PRINCIPAL, and Fidelity and Deposit Company of Maryland, a corporation organized and existing under the laws of the State of Maryland, and authorized to do business in the State of New Mexico with duly appointed resident agent in the State of New Mexico to execute this bond on behalf of the surety company, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of the Energy, Minerals and Natural Resources Department (the "Division") pursuant to Section 70-2-12 NMSA, 1978, (1995 Relp.) as amended in the sum of Twenty-Five Thousand and No/100-- (\$25,000.00--) Dollars for the payment of which PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally.

The conditions of this obligation are such that:

WHEREAS, the above principal has heretofore or may hereafter enter into the collection, disposal, evaporation, remediation, reclamation, treatment or storage of produced water, drilling fluids, drill cuttings, completion fluids, contaminated soils, BS&W, tank bottoms, waste oil and/or other oil field related waste in Section _____, Township _____, Range _____, NMPM, _____ County, New Mexico.

NOW, THEREFORE, this \$ 25,000.00-- performance bond is conditioned upon substantial compliance with all applicable statutes of the State of New Mexico and all rules and orders of the Oil Conservation Commission, the Division, and upon clean-up of the facility site to standards of the Division; otherwise the principal amount of the bond to be forfeited to the State of New Mexico.

Signed and sealed this 11th day of May, 2001

Principal Burro Pipeline Corporation

Surety Fidelity and Deposit Company of Maryland

633 17th Street, Suite 1550
Mailing Address Denver, CO 80202

P.O. Box 1227
Mailing Address Baltimore, MD 21203

By David L. Bradshaw
By DAVID L. BRADSHAW PRESIDENT
Signature Title

Sandra J. Shryack
Attorney-in-Fact
Sandra J. Shryack

Note: If Principal is a corporation, affix corporate seal here.

Note: If corporate surety, affix corporate seal here.

Note: If corporate surety executes this bond by an attorney-in-fact not in New Mexico, the resident New Mexico agent shall countersign here below.

Countersigned by: N/A No Longer Required

New Mexico Resident Agent

Address

1. (For a natural person acting in his own right:)

STATE OF _____)
)SS.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____,
19_____, by _____.

My commission expires:

Date

Notary Public

2. (For a partnership acting by one or more partners)

STATE OF _____)
)SS.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____,
19_____, by _____, partner(s) on behalf
of _____, a partnership.

My commission expires:

Date

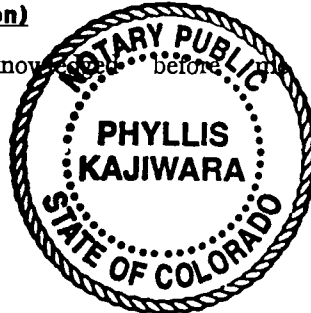
Notary Public

3. (For a corporation or incorporated association)

The foregoing instrument was acknowledged before me this 8th day of June, 2001,
by David F. Bradshaw,
_____, on behalf of said corporation.

My commission expires:

Date 6-8-01



My Commission Expires 07/21/2002
Notary Public

Phyllis Kajiwara

NOTE: When Lessor is a partnership, corporation or association, list all partners, officers and directors as may be applicable. This information may be provided below.

**APPROVED BY:
OIL CONSERVATION DIVISION**

By: _____

ACKNOWLEDGEMENT OF SURETY

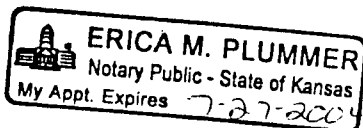
STATE OF Kansas

COUNTY OF Sedgwick

On this 11th day of May, 2001, before me personally appeared

Sandra J. Shryack, to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

(Seal)



Erica M Plummer
Notary Public

My Commission expires 7-27-2004

RIDER

Surety Bond No. 04128218

It is hereby agreed by and between the undersigned principal(s) and surety, in consideration for the additional premium or consideration paid for this rider, if any, and the consent by the State of New Mexico , to terminate the period of liability on Bond No(s). 123972081

Continental Casualty Company carrying the same principal(s) and as surety, the undersigned principal(s) and surety hereby assume any and all liabilities that may be outstanding on Bond No(s). 123972081 including, but not limited to, the obligation properly to plug and abandon all wells existing on leases to which Bond No(s). 123972081 applies provided, however that this rider shall not act to increase the potential or cumulative liability of the surety above the face amount of the bond to which this rider attaches.

Effective the 11th day of May, 20 01.

Executed this 11th day of May, 20 01.

Witnesses:

Claine R. Heese
633 17th Street, Denver, CO 80202

Burro Pipeline Corporation

By David L. Bradshaw Principal
DAVID L. BRADSHAW
633 17th Street, Denver, CO 80202 Address
PRESIDENT Title

Janis K. Peter
P.O. Box 2992, Wichita, KS 67201-2992

Fidelity and Deposit Company of Maryland

P.O. Box 1227, Baltimore, MD 21203 Surety
Sandra J. Shryack Address
Sandra J. Shryack Attorney-in-fact

NOTE: A power of attorney document for the surety's representative must accompany this rider.

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
HOME OFFICES: P.O. Box 1227, BALTIMORE, MD 21203-1227

Know ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by F. L. BORLEIS, Vice-President, and T. C. JOHNSON, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **W. C. Cohen, Jr., Joseph C. Lukens, II, Scott T. Post, Richard K. Stone, Bret S. Burton, Jana M. Forrest, Patricia Brogan, Sandra J. Shryack and Erica M. Plummer, all of Wichita, Kansas, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings EXCEPT bonds on behalf of Independent Executors, Community Survivors and Community Guardians; and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Companies at their offices in Baltimore, Md. in their own proper persons.** This power of attorney revokes that issued on behalf of W. C. Cohen, Jr., Joseph C. Lukens, II, Scott T. Post, Richard K. Stone, Bret S. Burton, Jana M. Forrest, Patricia Brogan, and Sandra J. Shryack, dated September 3, 1999.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the respective By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, this 14th day of July, A.D. 2000.

ATTEST:

FIDELITY AND DEPOSIT COMPANY OF MARYLAND



T. C. Johnson

Assistant Secretary

By:

F. L. Borleis

Vice-President

COLONIAL AMERICAN CASUALTY AND SURETY COMPANY



T. C. Johnson

Assistant Secretary

By:

F. L. Borleis

Vice-President

State of Maryland
County of Harford

ss:

On this 14th day of July, A.D. 2000, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came F. L. Borleis, Vice-President and T. C. Johnson, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Patricia A. Trombetti

Notary Public

My Commission Expires: October 9, 2002



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury
Cabinet Secretary

October 30, 2001

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFIED MAIL

RETURN RECEIPT NO. 7099-3220-0000-5051-2467

Mr. David L. Bradshaw
Burro Pipeline, Corporation
633 17th Street, Suite 1550
Denver, CO 80202

**RE: \$25,000 Bond for Centralized Surface Waste Management Facility
Burro Pipeline, Corporation, Principal
Continental Casualty Company, Surety
Sections 12 and 13, Township 10 South, Range 32 East, and
Sections 6 and 7, Township 10 South, Range 33 East, NMPM, Lea Co. NM
Bond No. 123972081**

Dear Mr. Bradshaw:

The New Mexico Oil Conservation Division approves the cancellation of the above-referenced financial assurance and releases Continental Casualty Company of any liability.

Sincerely,

David K. Brooks,
Assistant General Counsel

DKB:mjk

Enclosures: Copy of Bond No. 123972081

xc with attachment:

Hobbs OCD Office
Susie Gillam, CNA Company, Lighton Plaza, 7400 College Blvd., Suite 225,
Overland Park, KS 66210
Sandra J. Shryack, IMA, Inc., P.O. BOX 2992, Wichita, KS 67201-2992

OIL CONSERVATION DIVISION

RECEIVED

BOND NO. 123972081

(For Use of Surety Company)

OIL CONSERVATION DIVISION
RECEIVED

File with Oil Conservation Division, P.M. 8-32 2088, Santa Fe, New Mexico 87504

'93 JUN 28 AM 10:02 NOW ALL MEN BY THESE PRESENTS:

That BURRO PIPELINE CORPORATION, (a corporation organized in the State of Colorado) with its principal office in the City of Denver, State of Colorado, and authorized to do business in the State of New Mexico), as PRINCIPAL, and CONTINENTAL CASUALTY COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized to do business in the State of New Mexico with duly appointed resident agent licensed in the State of New Mexico to execute this bond on behalf of the surety company, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of the Energy, Minerals and Natural Resources Department pursuant to Chapter 72, Laws of New Mexico, 1935, as amended, and to the State of New Mexico in the sum of Twenty Five Thousand (\$25,000.00) Dollars lawful money of the United States for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into the collection, disposal or storage of produced water and/or other oil field related waste in Section 6 & 7, Township 10 (North) (South), Range 33 (East) (West), N.M.P.M., Lea County, New Mexico.

NOW, THEREFORE, This \$25,000 performance bond is conditioned upon substantial compliance with all applicable statutes of the State of New Mexico and all rules, regulations, and orders of the Oil Conservation Division of the Energy and Minerals Department, and upon clean-up of the facility site to standards of the Oil Conservation Division; otherwise the principal amount of the bond to be forfeited to the State of New Mexico.

PROVIDED, HOWEVER, That sixty (60) days after receipt by the Oil Conservation Division of written notice of cancellation from the Surety, the obligation of the Surety shall terminate as to activities or operations conducted by PRINCIPAL after said sixty (60) day period but shall continue in effect, notwithstanding said notice, as to such activities or operations conducted or commenced before the expiration of the sixty day period.

Signed and sealed this 18th day of June, 19 93.

BURRO PIPELINE CORPORATION

CONTINENTAL CASUALTY COMPANY

PRINCIPAL

SURETY

633 17th Street, Suite 1550
Denver, CO 80202

999 18th Street, Suite 2800
Denver, Colorado 80202

Mailing Address

Mailing Address

By David L. Bradshaw Vice President
Signature Title

By Douglas J. Rothey
Attorney-in-Fact

David L. Bradshaw, Vice President

Douglas J. Rothey

(Note: Principal, if corporation
Affix corporate seal here.)

(Note: Corporate surety affix corporate
seal here.)

Note: If corporate surety executes this bond by an attorney-in-fact not in New Mexico, the resident New Mexico agent shall countersign here below.)

Countersigned by:

ACKNOWLEDGEMENT FORM FOR CORPORATION

STATE OF Colorado)
COUNTY OF Denver) ss.

On this 32nd day of June, 1993, before me personally appeared David L. Bradshaw, to me personally known who, being by me duly sworn, did say that he is Vice President of Bechtel Inc. and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

My Commission Expires February 10, 1996
633 17th Street, #1550
Denver, Colorado 80202

Charles R. Hise
Notary Public

My Commission Expires

ACKNOWLEDGEMENT FORM FOR CORPORATE SURETY

STATE OF Colorado)
COUNTY OF Denver) ss.

On this 18th day of June, 1993, before me appeared Douglas J. Rothery, to me personally known, who, being by me duly sworn, did say that he is ATTY-IN-FACT of CONTINENTAL CASUALTY COMPANY and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Mary Catherine Rothery
Notary Public

9-13-95
My Commission Expires

(Note: Corporate surety attach power of attorney.)

APPROVED BY:

OIL CONSERVATION DIVISION OF NEW MEXICO

By: [Signature]

Date: _____



POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men by these Presents, That CONTINENTAL CASUALTY COMPANY, a corporation duly organized and existing under the laws of the State of Illinois, and having its principal office in the City of Chicago, and State of Illinois, does hereby make, constitute and appoint Robert L. Cohen, Conrad W. Pobuda, Theresa M. Fadul, Gerald J. Hayes,
Douglas J. Rothey, Individually

of Denver, Colorado

its true and lawful Attorney-in-fact with full power and authority hereby conferred to sign, seal and execute in its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind CONTINENTAL CASUALTY COMPANY thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of CONTINENTAL CASUALTY COMPANY and all the acts of said Attorney, pursuant to the authority hereby given are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the Board of Directors of the Company.

"Article IX—Execution of Documents

Section 3. Appointment of Attorney-in-fact. The President or a Vice President may, from time to time, appoint by writtencertificates attorneys-in-fact to act in behalf of the Company in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority, shall have full power to bind the Company by their signature and execution of any such instruments and to attach the seal of the Company thereto. The President or any Vice President or the Board of Directors may at any time revoke all power and authority previously given to any attorney-in-fact."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 3rd day of April, 1957.

"Resolved, that the signature of the President or Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted pursuant to Section 3 of Article IX of the By-Laws, and the signature of the Secretary or an Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power, and any power or certificate bearing such facsimile signatures and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

In Witness Whereof, CONTINENTAL CASUALTY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 18th day of February, 1993.

CONTINENTAL CASUALTY COMPANY

State of Illinois)
County of Cook (SS

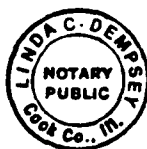


J. E. Purtell

J. E. Purtell

Vice President.

On this 18th day of February, 1993, before me personally came J. E. Purtell, to me known, who, being by me duly sworn, did depose and say: that he resides in the Village of Glenview, State of Illinois; that he is a Vice-President of CONTINENTAL CASUALTY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said Corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.



Linda C. Dempsey

Linda C. Dempsey

Notary Public.

My Commission Expires October 19, 1994

CERTIFICATE

I, George R. Hobaugh, Assistant Secretary of CONTINENTAL CASUALTY COMPANY, do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that Section 3 of Article IX of the By-Laws of the Company and the Resolution of the Board of Directors, set forth in said Power of Attorney are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said Company this 18th day of June, 1993.



George R. Hobaugh

George R. Hobaugh

Assistant Secretary



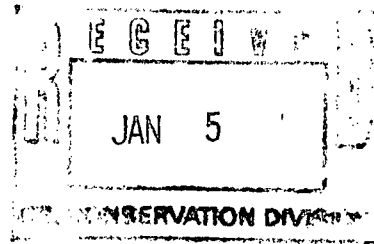
Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

January 4, 2001

CERTIFIED MAIL

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



**RE: Annual Results for Year 2000
Lane Salt Lake Pit Closure Project
Lea County, NM**

Dear Mr. Olson:

Please find enclosed additional results from our monitor wells pertaining to the subject project. A map is enclosed to show the location of the monitor wells. These results are from water samples taken on September 26 and November 12, 2000. These results represent the second annual submittal of data from the monitor wells.

We will continue to sample the project on an annual basis. If you have any questions, please call me at (303) 293-9379.

Very truly yours,

Larry G. Sugano
Vice President - Engineering

cc: NMOCD Hobbs Office

Enclosures

Oct 12 00 02:21p

p.1

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: MR. MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 281-646-8996

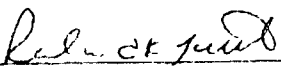
SampleType: Water
Sample Condition: Intact/ Iced/ HCV 2 deg. C
Project #: None Given
Project Name: None Given
Project Location: Lane Salt Lake

Sampling Date: 09/26/00
Receiving Date: 09/28/00
Analysis Date: 10/06/00

ELITE	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
31519	P	0.052	0.055	<0.001	<0.001	<0.001
31520	L	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	109	110	110	111	111
% EA	102	101	104	103	102
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B, 5030


Ralard K. Tuttle

10-12-00
Date

Environmental Lab of Texas, Inc. 12600 West 1-10 East Odessa, Texas 79762
(915) 563-1800 FAX (915) 563-1700

NUMBER OF COPY REQUESTS

[illegible]

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: M.R MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 281-646-8996

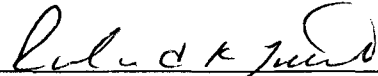
SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ 3.5 deg. C
Project #: None Given
Project Name: L.S.L.
Project Location: Tatum, N.M.

Sampling Date: 11/12/00
Receiving Date: 11/15/00
Analysis Date: 11/28/00

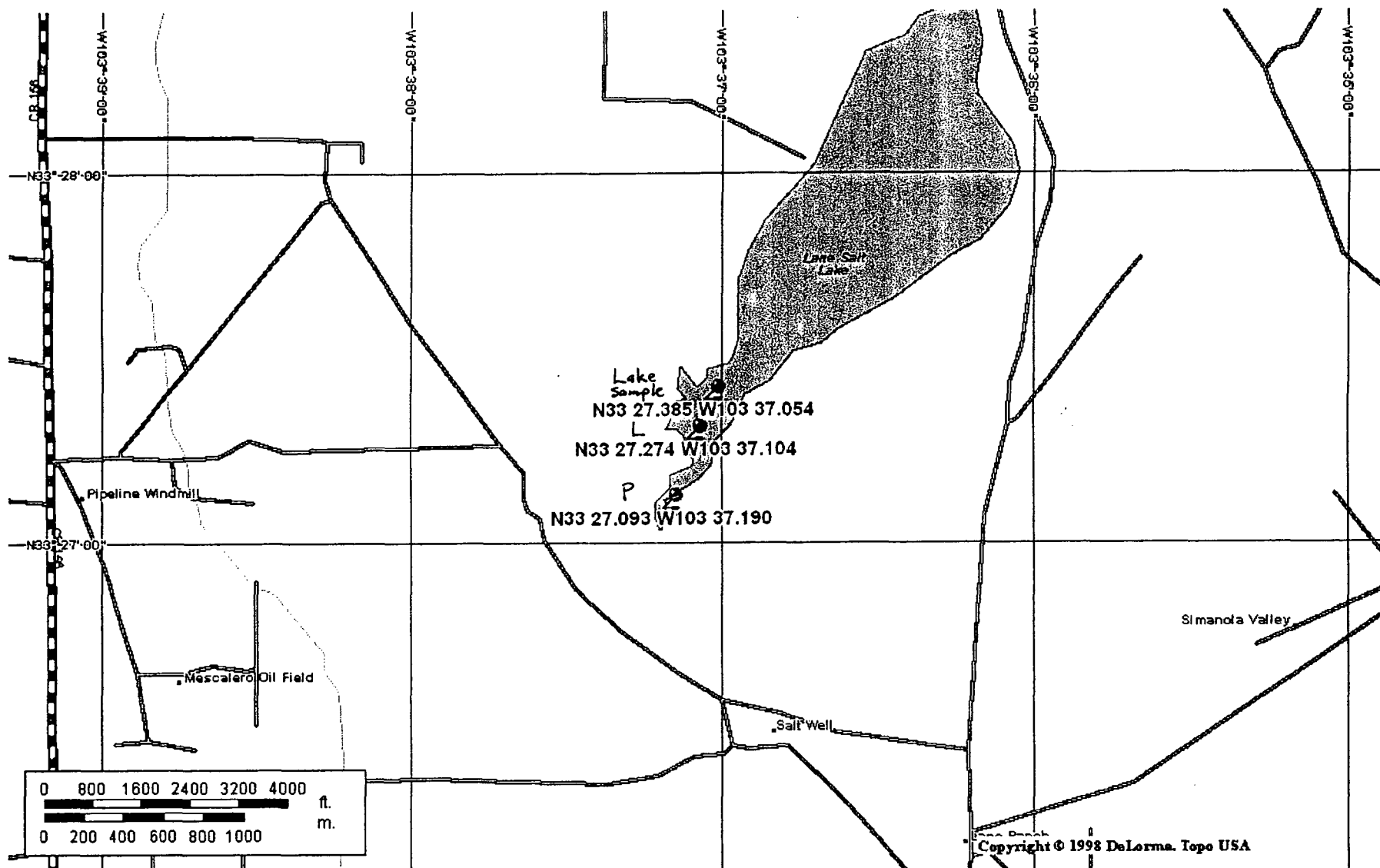
ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
33886	Lake Sample	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	85	94	97	101	96
% EA	95	106	106	112	103
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030


Raland K. Tuttle

11-29-00
Date



Public Regulation Commission

3/6/2000

BURRO PIPELINE CORPORATION

MAILING ADDRESS

633 17TH STREET STE 1550 DENVERFE COLORADO 80202

SCC Number: 0586487

Tax & Revenue Number: 01735301008

INCORPORATED ON JUNE 08, 1967, IN NEW MEXICO.

CORPORATION IS A DOMESTIC PROFIT

***CORPORATION IS ACTIVE
NOT IN GOOD STANDING***

***PURPOSE OF THE CORPORATION
SALT WATER DISPOSAL***

CORPORATION DATES

Taxable Year End Date: 09/30/99 Filing Date: //
Corporate Existence Expiration Date:

SUPPLEMENTAL POST MARK DATES

Supplemental: 04/09/90 Name Change: Purpose Change:

PRINCIPAL ADDRESS

P O BOX 857 TATUM NEW MEXICO 88267-0857

PRINCIPAL ADDRESS(Outside New Mexico)

633 17TH STREET STE 1550 DENVER COLORADO 80202

REGISTERED AGENT

C T CORPORATION SYSTEM

123 EAST MARCY SANTA FE NEW MEXICO 87501

Designation date: 11/11/98 Agent Post Mark Date: Resignation date:

COOP LICENSE INFORMATION

Number: Type: Expiration Year:

BRADSHAW, DAVID L *President*

OBOURN, JEFF T. *Vice President*

TREECE, ELAINE R. *Secretary*
NONE LISTED *Treasurer*

DIRECTORS

Date Election of Directors: 01/26/99

ANCELL , KENNETH L

633 17TH STREET STE 1550 DENVER , CO 80202

BRADSHAW , DAVID L

633 17TH STREET STE 1550 DENVER , CO 80202

DAVIS , EUGENE I

633 17TH STREET STE 1550 DENVER , CO 80202

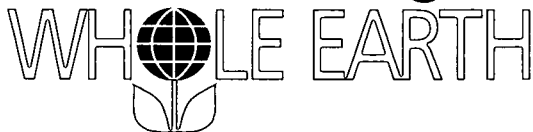
KRAMER , DOUGLAS

633 17TH STREET STE 1550 DENVER , CO 80202

LEES , MARSHALL D

633 17TH STREET STE 1550 DENVER , CO 80202

New Search Inquiry Page



Whole Earth Environmental, Inc.

19606 San Gabriel, Houston, Texas 77084
281/492-7077 • Fax: 281/646-8996

AUG 23 1999

CONSERVATION DIVISION

August 18, 1999

New Mexico Oil Conservation Division
2040 South Pacheco
Sante Fe, New Mexico 87505

Attn: Bill Olson

Dear Bill:

Enclosed, please find a copy of the chain of custody and laboratory test results for the Lane Salt Lake Monitoring Project. At the time of sampling, the monitor wells located at the lake edge and immediately adjacent to the pit were partially submerged due to recent heavy rainfall. Each was bailed until dry and allowed to recharge over the course of approximately one hour.

The results indicate that a detectable concentration of benzene remains at the intersection of the pits and the playa but that the main watercourse is free of measurable criteria contaminants.

If you've any questions or comments, please do not hesitate to call.

Warmest personal regards,

Mike Griffin
President

Whole Earth Environmental, Inc.

cc: Larry Sugano / Tipperary O&G / Denver
Vic Vice ?Tipperary O&G / Tatum

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: MR. MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 1-281-646-8996

Sample Type: Water
Sample Condition: Intact/ Iced/ HCl
Project #: Lane Salt Lake
Project Name: Tipperary
Project Location: 15 mi. West of Tatum, N.M.

Sampling Date: 08/11/99
Receiving Date: 08/13/99
Analysis Date: 08/13/99

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
19167	Lake Site	<0.001	<0.001	<0.001	<0.001	<0.001
19168	Center	<0.001	<0.001	<0.001	<0.001	<0.001
19169	Pit Site	0.001	<0.001	<0.001	<0.001	<0.001

% IA	96	88	85	86	89
% EA	94	91	91	90	92
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8020,5030

Raland K. Tuttle
Raland K. Tuttle

8-16-99
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #: (800) 854-4338

FAX #: (281) 646-8996

Company Name & Address:

Whole Earth Environmental

Project #:

Project Name:

Lane Salt Lake

Project Location:

15 mi. West of Tatum NM

Sampler Signature:

FIELD CODE

USE #
(2-3 USE)
(ONLY)

CONTAINERS

Volume/Amount

WATER

SOIL

AIR

SLUDGE

OTHER

HCL

HNO3

ICE

H2O2

OTHER

DATE

TIME

ANALYST

PRESERVATIVE
METHOD

SAMPLING

DTEX #020/5030

TPII 418.1

YCLP Metals Ag As Ba Cd Cr Pb Hg Se

Total Metals Ag As Ba Cd Cr Pb Hg Se

YCLP Volatiles

YCLP Semi Volatiles

TDS

RCI

ANALYSIS REQUEST

Requested by:

Date:

Time:

Received by:

REMARKS

Requested by:

Date:

Time:

Received by:

Requested by:

Date:

Time:

Received by Laboratory:



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

NOV - 9 1998

November 6, 1998

CERTIFIED MAIL

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

**RE: Annual Monitoring Report
Lane Salt Lake Project
Lea County, NM**

Dear Mr. Olson:

In response to your correspondence of June 26, 1998, please find enclosed the results from the subject project. Three monitoring wells were constructed in August 1998. The Hobbs District Office was notified prior to constructing the wells. Water samples were taken on August 19 and analyzed. The results are enclosed along with a map.

If you have any questions, please call me at (303) 293-9379.

Very truly yours,

Larry G. Sugano
Vice President - Engineering

cc: NMOCD Hobbs District Office

Enclosures



Executive Summary Lane Salt Lake Playa Sampling Project

Construction

In response to the New Mexico Oil Conservation Division letters of March 2 and June 26, 1998 detailing the requirement of further testing of the Lane Salt Lake playa, Whole Earth erected three monitoring wells within the playa basin in accordance with WEQP-38 (attached). The construction of the wells is in accordance with the enclosed schematic and was performed using a common post hole digger. Samples from each well were collected on August 19, 1998 in accordance with the enclosed WEQP-76(A), and were delivered to the testing laboratory on the same day.

Location

The location of the monitoring wells is described on the attached plat map. The map provides latitudinal and longitudinal coordinates accurate to within six feet. Monitor well # 1 is situated immediately adjacent to the northwestern corner of the perimeter fence surrounding the Burro Pipeline Salt Water Disposal Facility. Monitor well # 2 is located mid-channel immediately south of a prominent, permanent depth marker. Monitor well # 3 is located mid-channel at a distance approximately 250' south of the lake shoreline.

Analytical Results

The collected samples were tested for the presence and concentration of BTEX. The results of the tests and all related QA / QC information is included within the attached laboratory analyses from Environmental Labs of Texas.

Future Activities

Tipperary Corporation will continue to conduct annual testing of the three wells for the presence and concentrations of BTEX until such concentrations fall within New Mexico WQCC standards.

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL
ATTN: MR. MIKE GRIFFIN
19606 SAN GABRIEL
HOUSTON, TEXAS 77084
FAX: 1-281-646-8996
FAX: 505-396-5346 Lovington Inn

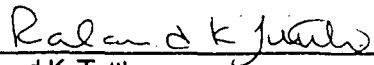
Receiving Date: 08/19/98
Sample Type: Water
Project Name: Tipperary L.S.L. Playa Sampling
Project #: None Given
Project Location: Lane Salt Lake

Analysis Date: BTEX 08/20/98
Analysis Date:
Sampling Date: 08/19/98
Sample Condition: Intact/Iced/HCl

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
15250	#1	0.392	0.002	0.001	<0.001	<0.001
15251	#2	0.695	0.003	0.002	0.004	0.001
15252	#3	0.002	0.002	0.001	0.004	0.002

% IA	90	99	103	104	103
% EA	93	101	107	108	109
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8020,5030, EPA 418.1

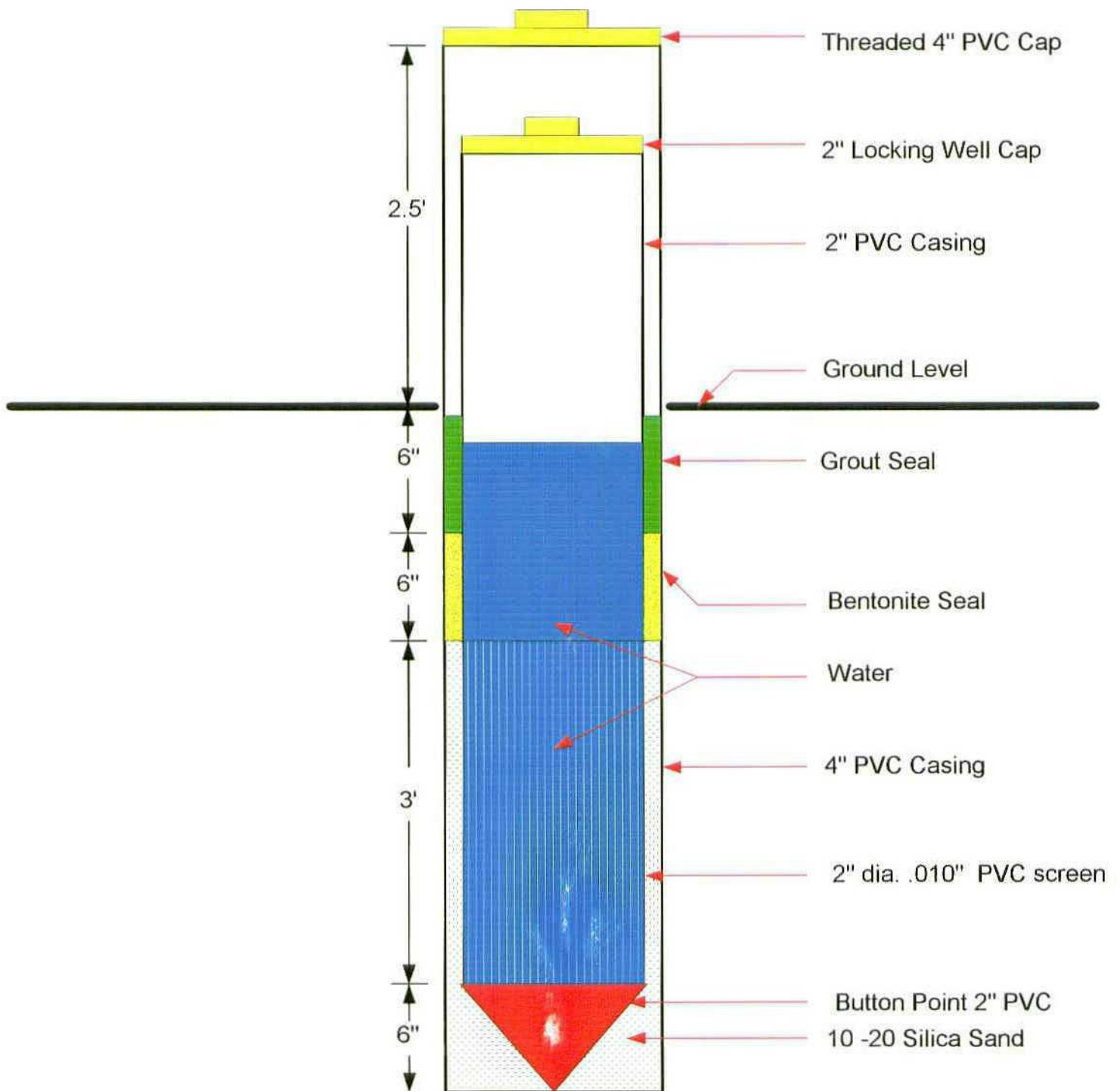

Raland K. Tuttle

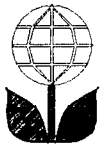
9-2-98
Date



LOCATION OF MONITOR WELLS
LANE SALT LAKE

Tipperary Corporation Lane Salt Lake Monitoring Well Design





QP-38

WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Procedure for Obtaining Water Samples From Playa Region of Lane Salt Lake

Completed By: Approved By: Effective Date: / /

1.0 Purpose

This procedure outlines the methods to be employed in obtaining water samples from the playa region of Lane Salt Lake in Lea County, New Mexico. The playa region is described as that area lying between the northern most impoundment of the Burro Pipeline System's Lane Salt Lake SWD Facility and the edge of the lake, itself.

2.0 Scope

This procedure is site specific for this facility

3.0 Preliminary

3.1 Two sampling locations will be established along a line extending generally east-northeast from the northernmost edge of the SWD to the nearest edge of the lake. The first sampling point will be at an approximate distance of 600 feet from the pit edge; the second at an approximate distance of 300 feet from the waters edge.

3.2 At each sampling point, a plastic pipe constructed of Teflon or other fluorocarbon material will be inserted into an excavated hole having a minimum depth of 4 foot below ground level. The pipe shall extend above the surface for a minimum distance of 2'. The outside diameter of exposed portion of the pipe will be painted fluorescent orange for easy identification. The construction of each sampling bore is detailed within the attached sketch.

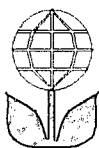
4.0 Sampling Procedure

Samples shall be taken annually in accordance with WEQP-76 and analyzed for the presence and concentrations of BTEX. Once the BTEX concentrations meet the standards defined within the New Mexico WQCC standards for two consecutive sampling events, the wells will be analyzed for the presence and concentrations of PAH's. As the remediation of this area is to be effected through means of natural attenuation such sampling will continue until such time as two consecutive analyses show BTEX and PAH concentrations at or below WQCC standards.

5.0 Documentation

The New Mexico Oil Conservation Division will be provided with two copies of the annual sampling results with one copy directed to Santa Fe and the other to the Hobbs District office. Each report shall contain the following minimum information:

- A. Client, Project and sample name.
- A. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
- B. Analytical Results
- C. EPA Approved Test Methods employed
- D. Quality Control methods and results



QP-76 (Rev. A)

WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Procedure for Obtaining Water Samples (Cased Wells) Using One Liter Bailer

Completed By: _____ Approved By: _____ Effective Date: / /

1.0 Purpose

This procedure outlines the methods to be employed in obtaining water samples from cased monitoring wells.

2.0 Scope

This procedure shall be used for developed, cased water monitoring wells. It is not to be used for standing water samples such as ponds or streams.

3.0 Preliminary

- 3.1 Obtain sterile sampling containers from the testing laboratory designated to conduct analyses of the water. The shipment should include a Certificate of Compliance from the manufacturer of the collection bottle or vial and a Serial Number for the lot of containers. Retain this Certificate for future documentation purposes.
- 3.2 The following table shall be used to select the appropriate sampling container, preservative method and holding times for the various elements and compounds to be analyzed.

Compound to be Analyzed	Sample Container Size	Sample Container Description	Cap Requirements	Preservative	Maximum Hold Time
BTEX	40 ml.	VOA Container	Teflon Lined	HCl	7 days
TPH	1 liter	clear glass	Teflon Lined	HCl	28 days
PAH	1 liter	clear glass	Teflon Lined	Ice	7 days
Cation / Anion	1 liter	clear glass	Teflon Lined	None	48 Hrs.
Metals	1 liter	HD polyethylene	Any Plastic	Ice / HNO ₃	28 Days
TDS	300 ml.	clear glass	Any Plastic	Ice	7 Days

4.0 Chain of Custody

- 4.1 Prepare a Sample Plan. The plan will list the well identification and the individual tests to be performed at that location. The sampler will check the list against the available inventory of appropriate sample collection bottles to insure against shortage.
- 4.2 Transfer the data to the Laboratory Chain of Custody Form. Complete all sections of the form except those that relate to the time of delivery of the samples to the laboratory.
- 4.3 Pre-label the sample collection jars. Include all requested information except time of collection. (Use a fine point Sharpie to insure that the ink remains on the label). Affix the labels to the jars.

5.0 Bailing Procedure

- 5.1 Identify the well from the site schematics. Place pre-labeled jar(s) next to the well. Remove the bolts from the well cover and place the cover with the bolts nearby. Remove the plastic cap from the well bore by first lifting the metal lever and then unscrewing the entire assembly.
- 5.2 The well may be equipped with an individual 1 liter bailing tube. If so, use the tube to bail a volume of water from the well bore equal to 10 liters for each 5' of well bore in the water table. (This assumes a 2" dia. Well bore).
- 5.3 Take care to insure that the bailing device and string do not become cross-contaminated. A clean pair of rubber gloves should be used when handling either the retrieval string or bailer. The retrieval string should not be allowed to come into contact with the ground.

6.0 Sampling Procedure

- 6.1 Once the well has been bailed in accordance with 5.2 of this procedure, a sample may be decanted into the appropriate sample collection jar directly from the bailer. The collection jar should be filled to the brim. Once the jar is sealed, turn the jar over to detect any bubbles that may be present. Add additional water to remove all bubbles from the sample container.
- 6.2 Note the time of collection on the sample collection jar with a fine Sharpie.

- 6.3 Place the sample directly on ice for transport to the laboratory. The preceding table shows the maximum hold times between collection and testing for the various analyses.
- 6.4 Complete the Chain of Custody form to include the collection times for each sample. Deliver all samples to the laboratory.

7.0 Documentation

- 7.1 The testing laboratory shall provide the following minimum information:
 - A. Client, Project and sample name.
 - B. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
 - C. Results of the requested analyses
 - D. Test Methods employed
 - E. Quality Control methods and results



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 17, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-487

Ms. Elaine R. Treece
Burro Pipeline Corporation
633 Seventeenth Street
Suite 1550
Denver, CO 80202

**RE: \$25,000 Bond for Commercial Surface Waste Management Facility
Burro Pipeline Corporation, Principal
Section 6 and 7, T 10 S, R 33 E; NMPM, Lea County, New Mexico
Continental Casualty Co., Surety
Bond No. 123972081**

Dear Ms. Treece:

The New Mexico Oil Conservation Division (OCD) received Burro Pipeline Corporation's letter dated August 4, 1998. The above referenced letter requested that the OCD cancel the Surface Waste Disposal Bond No. 123972081. Cancellation of the bond is conditional upon compliance with all applicable statutes of the State of New Mexico and all rules, regulations and orders of the OCD, and upon clean-up of the facility site to standards of the OCD.

The Burro Pipeline Corporation's former surface waste disposal facility requires continued monitoring until OCD clean-up standards are met. The **subject bond will remain in full force and effect** until the required clean-up/monitoring is performed and closure of the facility is approved by the OCD.

If you have any questions please call me at (505) 827-7153

Sincerely,

Martyne J. Kielling
Environmental Geologist

xc: Hobbs District Office



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

August 4, 1998

Mr. William J. Lemay, Director
Oil Conservation Division
State of New Mexico
~~P.O. Box 2088~~
Santa Fe, NM 87504

RE: \$25,000 Commercial Surface Waste Disposal Facility
Burro Pipeline Corporation
Principal; Continental Casualty Co., Surety
Section 6 and 7, T-10-S, R-33-E, Lea County
Bond No. 123972081

Dear Mr. Lemay:

During the past several months, we discontinued disposing of saltwater into the playa lake on the property referenced above and have been in the process of closing the facility at that location. This involved removing the equipment, remedial work to clean up pits, etc. We have been instructed to install monitoring equipment and that is in place. Now we are wondering if it would be appropriate for New Mexico to release the bond. Of course we are willing to provide any evidence of compliance you may require.

Sincerely,

BURRO PIPELINE CORPORATION

Elaine R. Treece
Corporate Secretary

ET



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 26, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-235-437-302

Mr. Larry Sugano
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: MONITORING PLAN
LANE SALT LAKE FACILITY**

Dear Mr. Sugano:

The New Mexico Oil Conservation Division (OCD) has reviewed Tipperary Corporation's (TC) April 2, 1998 "MONITORING PLAN, LANE SALT LAKE PROJECT, LEA COUNTY, NEW MEXICO". This document contains TC's work plan for remediation and monitoring of contamination related to the former use of unlined pits at TC's Lane Salt Lake facility.

The above referenced work plan is approved with the following conditions:

1. An additional water quality sampling station will be installed directly downgradient and adjacent to the former pits.
2. All water quality samples will be obtained and analyzed according to EPA approved methods and quality assurance/quality control procedures.
3. The annual monitoring report will be submitted to the OCD by October 1 of each year and will include all sampling data and a map showing the former locations of the pits and the locations of all sampling points.
4. TC will notify the OCD Santa Fe and Hobbs District Offices at least 1 week in advance of installation of the sampling points and all annual sampling events so that the OCD can participate in location of the sampling points and split samples.

Mr. Larry G. Sugano
June 26, 1998
Page 2

5. The OCD will not consider remediation and monitoring activities to be complete until contaminant concentrations in all monitoring points are below New Mexico Water Quality Control Commission standards for 4 consecutive sampling events (no less than quarterly sampling events).

Please be advised that OCD approval does not relieve TC of liability if the work plan fails to adequately remediate or monitor contamination related to TC's activities. In addition, OCD approval does not relieve TC of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Wayne Price, OCD Hobbs District Office
Mike Matush, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.



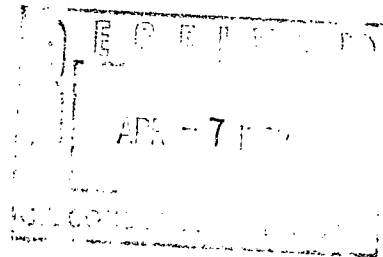
Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

April 2, 1998

CERTIFIED MAIL

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



**RE: Monitoring Plan
Lane Salt Lake Project
Lea County, NM**

Dear Mr. Olson:

In response to your letter of March 2, 1998, please find enclosed our proposed monitoring plan for the subject project. Please advise if this plan is acceptable and we will put it in place.

If you have any questions, please call me at (303) 293-9379.

Very truly yours,

Larry G. Sugano
Vice President - Engineering

cc: Wayne Price, NMOCD Hobbs Office

Enclosure





QP-38

**WHOLE EARTH ENVIRONMENTAL
QUALITY PROCEDURE**

**Procedure for Obtaining Water Samples From
Playa Region of Lane Salt Lake**

Completed By: _____ Approved By: _____ Effective Date: / /

1.0 Purpose

This procedure outlines the methods to be employed in obtaining water samples from the playa region of Lane Salt Lake in Lea County, New Mexico. The playa region is described as that area lying between the northern most impoundment of the Burro Pipeline System's Lane Salt Lake SWD Facility and the edge of the lake, itself.

2.0 Scope

This procedure is site specific for this facility.

3.0 Preliminary

3.1 Two sampling locations will be established along a line extending generally east-northeast from the northernmost edge of the SWD to the nearest edge of the lake. The first sampling point will be at an approximate distance of 600 feet from the pit edge; the second at an approximate distance of 300 feet from the waters edge.

3.2 At each sampling point, a plastic pipe constructed of Teflon or other fluorocarbon material will be inserted into an excavated hole having a minimum depth of 4 foot below ground level. The pipe shall extend above the surface for a minimum distance of 2'. The outside diameter of exposed portion of the pipe will be painted fluorescent orange for easy identification. The construction of each sampling bore is detailed within the attached sketch.

4.0 Sampling Procedure

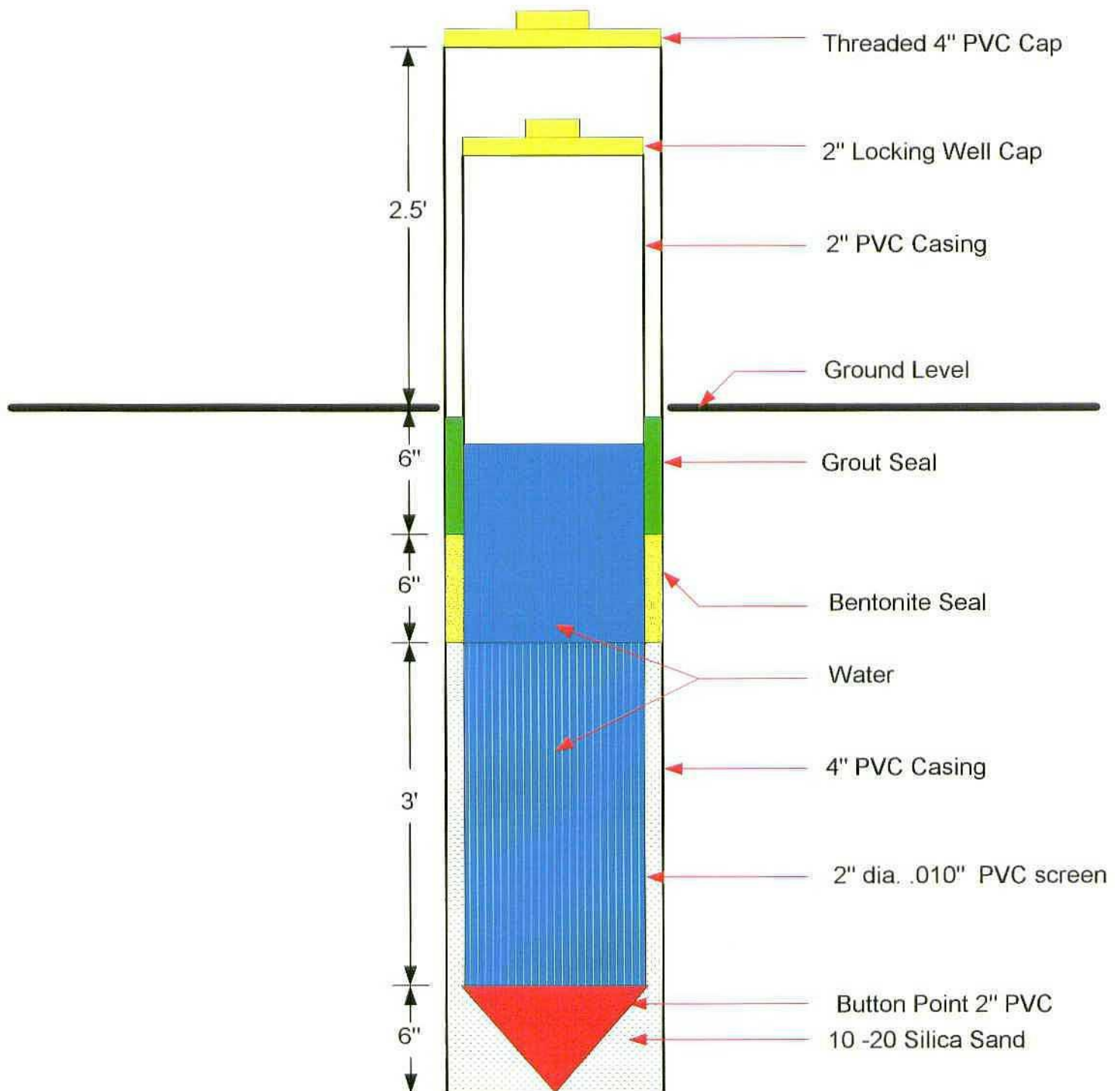
Samples shall be taken annually in accordance with WEQP-76 and analyzed for the presence and concentrations of BTEX. Once the BTEX concentrations meet the standards defined within the New Mexico WQCC standards for two consecutive sampling events, the wells will be analyzed for the presence and concentrations of PAH's. As the remediation of this area is to be effected through means of natural attenuation such sampling will continue until such time as two consecutive analyses show BTEX and PAH concentrations at or below WQCC standards.

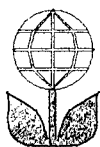
5.0 Documentation

The New Mexico Oil Conservation Division will be provided with two copies of the annual sampling results with one copy directed to Santa Fe and the other to the Hobbs District office. Each report shall contain the following minimum information:

- A. Client, Project and sample name.
- B. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
- C. Analytical Results
- D. EPA Approved Test Methods employed
- E. Quality Control methods and results

Tipperary Corporation Lane Salt Lake Monitoring Well Design





QP-76 (Rev. A)

WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Procedure for Obtaining Water Samples (Cased Wells) Using One Liter Bailer

Completed By: _____ Approved By: _____ Effective Date: / /

1.0 Purpose

This procedure outlines the methods to be employed in obtaining water samples from cased monitoring wells.

2.0 Scope

This procedure shall be used for developed, cased water monitoring wells. It is not to be used for standing water samples such as ponds or streams.

3.0 Preliminary

- 3.1 Obtain sterile sampling containers from the testing laboratory designated to conduct analyses of the water. The shipment should include a Certificate of Compliance from the manufacturer of the collection bottle or vial and a Serial Number for the lot of containers. Retain this Certificate for future documentation purposes.
- 3.2 The following table shall be used to select the appropriate sampling container, preservative method and holding times for the various elements and compounds to be analyzed.

Compound to be Analyzed	Sample Container Size	Sample Container Description	Cap Requirements	Preservative	Maximum Hold Time
BTEX	40 ml.	VOA Container	Teflon Lined	HCl	7 days
TPH	1 liter	clear glass	Teflon Lined	HCl	28 days
PAH	1 liter	clear glass	Teflon Lined	Ice	7 days
Cation / Anion	1 liter	clear glass	Teflon Lined	None	48 Hrs.
Metals	1 liter	HD polyethylene	Any Plastic	Ice / HNO ₃	28 Days
TDS	300 ml.	clear glass	Any Plastic	Ice	7 Days

4.0 Chain of Custody

- 4.1 Prepare a Sample Plan. The plan will list the well identification and the individual tests to be performed at that location. The sampler will check the list against the available inventory of appropriate sample collection bottles to insure against shortage.
- 4.2 Transfer the data to the Laboratory Chain of Custody Form. Complete all sections of the form except those that relate to the time of delivery of the samples to the laboratory.
- 4.3 Pre-label the sample collection jars. Include all requested information except time of collection. (Use a fine point Sharpie to insure that the ink remains on the label). Affix the labels to the jars.

5.0 Bailing Procedure

- 5.1 Identify the well from the site schematics. Place pre-labeled jar(s) next to the well. Remove the bolts from the well cover and place the cover with the bolts nearby. Remove the plastic cap from the well bore by first lifting the metal lever and then unscrewing the entire assembly.
- 5.2 The well may be equipped with an individual 1 liter bailing tube. If so, use the tube to bail a volume of water from the well bore equal to 10 liters for each 5' of well bore in the water table. (This assumes a 2" dia. Well bore).
- 5.3 Take care to insure that the bailing device and string do not become cross-contaminated. A clean pair of rubber gloves should be used when handling either the retrieval string or bailer. The retrieval string should not be allowed to come into contact with the ground.

6.0 Sampling Procedure

- 6.1 Once the well has been bailed in accordance with 5.2 of this procedure, a sample may be decanted into the appropriate sample collection jar directly from the bailer. The collection jar should be filled to the brim. Once the jar is sealed, turn the jar over to detect any bubbles that may be present. Add additional water to remove all bubbles from the sample container.
- 6.2 Note the time of collection on the sample collection jar with a fine Sharpie.

6.3 Place the sample directly on ice for transport to the laboratory. The preceding table shows the maximum hold times between collection and testing for the various analyses.

6.4 Complete the Chain of Custody form to include the collection times for each sample. Deliver all samples to the laboratory.

7.0 Documentation

7.1 The testing laboratory shall provide the following minimum information:

- A. Client, Project and sample name.
- B. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
- C. Results of the requested analyses
- D. Test Methods employed
- E. Quality Control methods and results

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

March 2, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-235-437-238

Mr. Larry Sugano
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: CLOSURE REPORT
LANE SALT LAKE FACILITY**

Dear Mr. Sugano:

The New Mexico Oil Conservation Division (OCD) has reviewed Tipperary Corporation's (TC) November 6, 1997 "LANE SALT LAKE SWD PIT CLOSURE PROJECT, LEA COUNTY, NEW MEXICO, RESULTS OF SECOND YEAR MONITORING SAMPLES TAKEN FROM THE REMEDIATED PITS". This document contains the results of soil and ground water samples taken subsequent to the closure of unlined pits at TC's Lane Salt Lake facility. The document also requests final closure approval of the site remedial actions.

The pit soil remedial actions are satisfactory. However, a review of the above referenced document and OCD's September 4-5, 1997 sample analyses shows the offsite downgradient ground water is contaminated with petroleum constituents in excess of New Mexico Water Quality Control Commission (WQCC) standards. Therefore, the OCD can not issue final closure approval and requires that TC submit a work plan for remediation and monitoring for the ground water at the site. The work plan will be submitted to the OCD Santa Fe Office by May 1, 1998 with a copy provided to the OCD Hobbs District Office.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Wayne Price, OCD Hobbs District Office
Mike Matush, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

January 7, 1998

Mr. Larry Sugano
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: GROUND WATER ANALYSES
LANE SALT LAKE FACILITY AND TATUM PIT CLOSURES**

Dear Mr. Sugano:

Enclosed you will find copies of the New Mexico Oil Conservation Division's (OCD) August 28, 1997, September 4, 1997 and September 5, 1997 laboratory analytical results of soil and ground water samples taken at Tipperary Corporation's (TC) Lane Salt Lake facility and seven of TC's Tatum pit closure sites.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "William C. Olson".

William C. Olson
Hydrologist
Environmental Bureau

Enclosures

xc w/enclosures: Wayne Price, OCD Hobbs District Office
Mike Griffin, Whole Earth Environmental, Inc.



633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

November 6, 1997

Mr. William C. Olson
Hydrogeologist – Environmental Bureau
New Mexico Energy And Natural Resources Dept.
Oil Conservation Division
2040 South Pacheco 87505
Santa Fe, New Mexico 87504

Subject: **Lane Salt Lake SWD Pit Closure Project**
Lea County, New Mexico
Results of second year monitoring samples taken from the remediated pits.

Dear Mr. Olson:

Enclosed is a copy of Whole Earth Environmental Inc.'s report on the second year monitoring samples taken at the remediated pit site on September 4th and 5th, 1997. The report contains a plat showing where the samples were taken as well as the laboratory analysis results. The lab analysis method and QA/QC data are also included.

The soil and water samples taken from both the pit and its adjacent ground-water seep pond all meet the state's requirements for pit closures. Therefore, since this is the 8th quarter showing that the pits meet New Mexico's pit closure standards, Tipperary respectfully requests that your office grant "final closure status" for the Lane Salt Lake SWD pits. In the future, we intend to periodically sample the playa shore down gradient from the pit closure area and will keep you informed of the sample analysis results.

Let me know if you have questions or need more information.

Sincerely,

Larry G. Sugano
Vice President - Engineering

Cc: Wayne Price, OCD Hobbs Office

WP\WIN\TIP\LETTERS\LSLPClose.1.10



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

February 24, 1997

CERTIFIED MAIL

RETURN RECEIPT NO. P-269-269-264

Mr. Robert H. Fehlmann
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: POST CLOSURE MONITORING
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION**

Dear Mr. Fehlmann:

The New Mexico Oil Conservation Division (OCD) has completed a review of the following Tipperary Corporation (TC) documents which contain the results of TC's recent monitoring actions at the facility and a request for the OCD to issue final closure approval of site remedial actions.:

- November 22, 1996 "INFORMATION REQUESTED BY OCD CONCERNING EPA METHODS USED, ANALYSES DETECTION LIMITS, AND QA/QC DATA FOR MONITORING SAMPLE ANALYSES, BURROW PIPELINE'S LANE SALT LAKE SWD PIT CLOSURE, LEA COUNTY, NEW MEXICO"
- September 11, 1996 "LAB ANALYSIS OF WATER SAMPLE COLLECTED FOR PAH ANALYSIS ON AUGUST 27, 1996 AT BURROW PIPELINE CORPORATION'S LANE SALT LAKE SWD PITS LEA COUNTY, NEW MEXICO"
- August 26, 1996 "RESULTS OF FIRST SET OF MONITORING SAMPLES TAKEN FROM BURROW PIPELINE CORPORATION'S LANE SALT LAKE SWD PITS LEA COUNTY, NEW MEXICO"

Prior to considering final closure of site remedial actions, the OCD requires that TC conduct the following post closure monitoring:

1. The sampling activities show that dissolved petroleum contaminants are present in water seeping from the former facility at concentrations below the New Mexico Water Quality Control Commission (WQCC) standards. Therefore, the OCD requires that TC resample the seep area and obtain a ground water sample from the playa shores downgradient of the seep area in August of 1997. The samples will be obtained and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) and polynuclear aromatic hydrocarbons (PAH) using appropriate EPA methods and quality assurance/quality control. A report containing the sample locations, sample results and quality assurance/quality control data will be submitted to the OCD by October 1, 1997.

Mr. Robert H. Fehlmann
February 24, 1997
Page 2

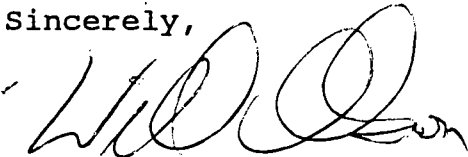
2. The post closure soil sampling was not conducted according to appropriate EPA methods as required in OCD's July 2, 1996 approval of TC's post closure monitoring plan. In addition, the post closure sampling did not include the quality assurance/quality control laboratory samples that TC stated they would perform (see TC May 1, 1996 "REPLY TO CLOSURE REPORT QUESTIONS IN YOUR APRIL 12, 1996 LETTER, LANE SALT LAKE DISPOSAL FACILITY, BURROW PIPELINE CORPORATION"). Therefore, the OCD requires that TC repeat the previously approved post closure soil sampling program in August of 1997. The samples will be obtained and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) and total petroleum hydrocarbons (TPH) using appropriate EPA methods and quality assurance/quality control. A report containing the sample locations, sample results and quality assurance/quality control data will be submitted to the OCD by October 1, 1997.

Based upon the results of the post closure samples, if TC can demonstrate that the remaining contaminants will not pose a future threat to human health, ground water, surface water or the environment, the OCD will consider issuing final closure approval of the site remedial actions.

Please notify the OCD at least one week in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Linda Freedman, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

RECEIVED
OIL & GAS DIVISION
NOV 22 1996

November 22, 1996

Mr. William C. Olson
Hydrogeologist - Environmental Bureau
New Mexico Energy and Natural Resources Dept.
Oil Conservation Division
2040 Pacheco
Santa Fe, New Mexico

**RE: INFORMATION REQUESTED BY OCD CONCERNING EPA
METHODS USED, ANALYSES DETECTION LIMITS, AND
QA/QC DATA FOR MONITORING SAMPLE ANALYSES,
BURROW PIPELINE'S LANE SALT LAKE SWD PIT CLOSURE,
LEA COUNTY, NEW MEXICO**

Dear Mr. Olson:

In your letter of October 25, 1996, you requested information about EPA methods used, analyses detections limits, and QA/QC information on the Lane Salt Lake Monitoring Samples Tipperary reported to you September 11, 1996. I have enclosed a copy of Mike Griffin's (Whole Earth Environmental, Inc.) November 16, 1996 letter to Tipperary which contains this information. We should have included the data with the original report.

A copy of this letter and enclosures has been sent to Mr. Wayne Price in your Hobbs office. Let me know if there is anything else you need.

Sincerely,

Robert H. Fehlmann
Environmental Coordinator





Whole Earth Environmental, Inc.

19606 San Gabriel, Houston, Texas 77084
713/492-7077 Fax: 713/492-7077

November 16, 1996

Tipperary Corporation
633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

Attn: Bob Fehlmann

Dear Bob:

I'm in receipt of Mr. Olson's letter to you of October 25 regarding the field testing performed on the Lane Salt Lake Project. we respond as follows:

Question

1. Please provide the OCD with the EPA laboratory analysis method and detection limits of the soil benzene, toluene, ethylbenzene and xylene (BTEX) analysis.

Answer

The Photovac analyzer is not included within EPA Methods. The lower detection limit for benzene is 0.1 ppm. For toluene, ethylbenzene and xylene it is 1.0 ppm. The instrument accuracy is 15% within one decade of the instrument set point.

Question

2. Please provide the OCD with the quality assurance / quality control data for the soil BTEX and total petroleum hydrocarbon analyses.

Answer

A. The chromatograph for measuring BTEX was calibrated in accordance with WEQP-55 (attached) at the start of each day, each thirty minutes of use, and after each concentration spike of greater than 10 ppm of a measured component. In accordance with the procedure, the displayed results of the confirmation sample must exactly match those of the calibration gas or the instrument is pulled from service.

B. The TPH Analyzer was calibrated at the start of each day, and periodically during the day in accordance with Paragraph 5 of WEQP-25 (attached).



I hope that this satisfies the OCD's requirements for the work already performed. In the future, all records of calibration and quality control will accompany the actual test results.

Warmest regards,

A handwritten signature in black ink, appearing to read 'Mike Griffin'.

Mike Griffin
President
Whole Earth Environmental, Inc.



**WHOLE EARTH ENVIRONMENTAL
QUALITY PROCEDURE**

**Procedure for Instrument Calibration
and Quality Assurance Analysis for
General Analysis "MEGA" TPH Analyzer**

Completed By:	Approved By:	Effective Date: / /
---------------	--------------	---------------------------

1.0 Purpose

This procedure outlines the methods to be employed in calibrating the GAC MEGA TPH analyzer and for determining and reporting of accuracy curves.

2.0 Scope

This procedure shall be followed each day that the instrument is used.

3.0 Procedure

3.1 Turn the instrument on and allow to warm up with no cuvette in the recepticle. The instrument will take between five and ten minutes to come into equilibrium as can be determined by the concentration display readings moving a maximum of 5 ppm on the low scale. If the instrument continues to display erratic readings greater than 5 ppm, remove the cover and check both the mirrors and chopper to insure cleanliness.

3.2 All TPH standards shall be purchased form Environmental Resources Corporation and as a condition of their manufacture subject to independant certification by third party laboratories. Each standard is received with a calibration certificate.

3.3 Insert the low range (100 ppm) calibration standard into the receiving port and note the result on the right hand digital display. If the displayed reading is less than 98 ppm or greater than 102 ppm, remove the circuit board cover panel and zero out the instrument in accordance with QP-26.

(Note: Except in New Mexico, set the span to read 105% of actual standard).

3.4 Repeat the process with the mid range (500 ppm) calibration standard. If the displayed reading is less than 490 ppm or greater than 510 ppm zero out the span as described in QP-26.

3.5 Repeat the process again with the 1,000 and 5,000 ppm calibration standards.

3.6 Pour clean Freon 113 into a filter cartridge and extract into 10 ml cuvette. Insert the cuvette into the receiving port and zero out the instrument reading using the far right adjustment knob on the instrument. Repeat using the 1ml cuvette and the left hand zero dial.

4.0 Determining & Reporting Instrument Accuracy

4.1 After making the fine adjustment with the zero dials reinsert each calibration standard into the instrument and note the concentration values. *If any concentration value exceed 2% of the standard set point, repeat all steps in section 3.0 of this Procedure.* Note the actual concentration values displayed by the instrument after each calibration standard.

4.2 The four calibration standards shall be used in reporting span deviation as follows:

Standards Range			
100 ppm	500 ppm	1,000 ppm	5,000 ppm
0-250 ppm	251-750 ppm	751-2,500 ppm	2,501-10,000 ppm

4.3 Divide the actual instrument reading value of each calibration sample by the concentration shown on the standard (eg. 501 ppm instrument reading / 500 ppm standard = 1.002%). These readings shall be reported for each test performed.

5.0 Recalibration

5.1 If any sample exceeds the concentration of 1,000 ppm on the 10 ml cuvette or 10,000 ppm on the 1 ml cuvette, the cuvette must be thoroughly rinsed with clean Freon and the instrument re-zeroed in accordance with 3.6 of this procedure.



WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Procedure for Instrument Calibration and Quality Assurance Analysis for Photovac Gas Chromatograph

Completed By:	Approved By:	Effective Date: / /
---------------	--------------	---------------------------

1.0 Purpose

This procedure outlines the methods to be employed in calibrating the Photovac analyzer in the BTEX mode and for determining and reporting of accuracy curves.

2.0 Scope

This procedure shall be followed each day that the instrument is used.

3.0 Procedure

Start-up

3.1 Turn the instrument on and press the Battery button. A battery status report will appear on the screen. If the charge level is less than 8.0, either charge the battery or insert a fresh battery pack.

3.2 Open carrier gas valve on right side of instrument. The instrument is now tuning the lamp. If any "boot" problems occur during warm-up, the "chck" symbol will appear on the screen. Pressing TUTOR will prompt the instrument to provide details. The instrument will not progress beyond the start-up mode until all prompts are cleared.

3.3 The next screen display will be "purj" and will last approximately ten minutes. The instrument is purging the column.

Calibrate

3.4 Connect the regulator to cylinder of calibration gas. Connect calibration adapter and tee assembly to both the regulator and instrument. **DO NOT FORCE ANY CONNECTION!**

3.5 Inspect the open end of the tee vent to insure unobstructed flow.

3.6 Enter CAL on the key pad. The instrument will query "benzene?". Following the prompts and using the key pad, set the concentrations to those defined on the calibration gas bottle. Follow the same procedure for toluene, ethyl-benzene and xylene. After each compound, the instrument will read that the next analysis will be a calibration.

3.7 Press ENTER on key pad. The instrument will calibrate itself for the concentrations specified.

Confirmation Sample

3.8 After each calibration, run the calibration gas through the instrument once again. The display readings should be exactly those of the concentrations displayed on the calibration gas bottle. If they are not, the instrument needs factory calibration; do not use.

4.0 Recalibration

4.1 The instrument is designed with software that prompts you to recalibrate each day, each thirty minutes of use, and after running a sample with high concentrations of one or more of the detected compounds.

5.0 Reporting Instrument Accuracy

5.1 The instrument accuracy as certified by the factory is 15% within one decade of instrument set point. Lower detection limits are 0.1 ppm for benzene and 1.0 ppm for toluene, ethylbenzene and xylene.

5.2 These standards and detection limits must be shown on all reports in which the instrument is used.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

October 25, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-269-269-209

Mr. Robert H. Fehlmann
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: POST CLOSURE MONITORING
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION**

Dear Mr. Fehlmann:

The New Mexico Oil Conservation Division (OCD) is in the process of reviewing Tipperary Corporation's (TC) September 11, 1996 and August 26, 1996 monitoring reports on the former Burro Pipeline Corporation Lane Salt Lake Disposal Facility. These documents contain the results of TC's recent monitoring actions at the facility and a request for the OCD to issue final closure approval of site remedial actions.

The OCD has the following comments and requests for information regarding the above referenced documents:

1. Please provide the OCD with the EPA laboratory analysis method and the detection limits of the soil benzene, toluene, ethylbenzene and xylene (BTEX) analyses.
2. Please provide the OCD with the quality assurance/quality control data for the soil BTEX and total petroleum hydrocarbon analyses.

Submission of the above requested information will allow the OCD to complete a review of these documents. If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Linda Freedman, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

CONSERVATION DIVISION
OIL & GAS

196 SEP 11 10 08 52

September 11, 1996

Mr. William C. Olson
Hydrogeologist - Environmental Bureau
New Mexico Energy and Natural Resources Dept.,
Oil Conservation Division
2040 Pacheco
Santa Fe, New Mexico

RE: Lab analysis of water sample collected for PAH analysis on August 27, 1996 at Burrow Pipeline Corporation's Lane Salt Lake SWD pits Lea County, New Mexico.

Dear Mr. Olson:

Enclosed is a copy of Tipperary's laboratory analysis for PAH on a water sample taken at Lane Salt Lake on August 27, 1996. This sample and lab report should cover the data gap left due to our inadvertent omission of the PAH analysis in our first "Monitor Samples Report", (Transmitted to you by my letter of 8/26/96). Please add this new information to your file.

I have also forwarded a copy of this report to Wayne Price, in the OCD's Hobbs, NM office. Let me know if you have any questions.

Sincerely,

Robert H. Fehlmann
Environmental Coordinator

cc: Wayne Price, OCD Hobbs Office



ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL, INC.
MR. MIKE GRIFFIN
16337 PARK ROW
HOUSTON, TEXAS 77084-5191
FAX: 800-854-4358

Receiving Date: 08/27/96
Sample Type: WATER
Project Location: 1, LANE LAKE SWD
Project Name: TIPPERARY OIL

Analysis Date: 09/05/96
Sampling Date: 08/27/96
Sample Condition: Intact/Iced

EPA SW846 8270 (mg/l)	PQL	ELT# 8831	QC	RPD	%EA	%IA
Naphthalene	0.001	ND	76	3	70	95
Acenaphthylene	0.001	ND	73	3	75	91
Acenaphthene	0.001	ND	73	3	75	91
Fluorene	0.001	ND	73	4	81	91
Phenanthrene	0.001	ND	82	3	81	103
Anthracene	0.001	ND	73	1	68	91
Fluoranthene	0.001	ND	74	1	76	93
Pyrene	0.001	ND	81	4	87	101
Benzo[a]anthracene	0.001	ND	70	1	74	88
Chrysene	0.001	ND	77	3	78	96
Benzo[b]fluoranthene	0.001	ND	70	3	77	88
Benzo[k]fluoranthene	0.001	ND	67	4	79	84
Benzo[a]pyrene	0.001	ND	73	3	80	91
Indeno[1,2,3-cd]pyrene	0.001	ND	73	4	78	91
Dibenz[a,h]anthracene	0.001	ND	74	3	73	93
Benzo[g,h,i]perylene	0.001	ND	74	5	80	93

% RECOVERY

Nitrobenzene-d5 SURR
2-Fluorobiphenyl SURR
Terphenyl-d14 SURR

69
75
75

ND= NOT DETECTED
Method: EPA SW 846 8270, 3550


Michael R. Fowler

9-9-96
Date

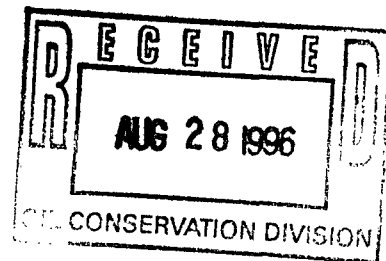
CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Mike Griffin										Phone #: FAX #:									
Company Name & Address: Whole Earth										Project Name: Tipperary Oil									
Project #: 1										Project Location: Lane Lake SUD									
Project Location: Lane Lake SUD										Sampler Signature: Larry Gandy									
LAB # (LAB USE ONLY) 8231										FIELD CODE									
# CONTAINERS 1										Volume/Amount									
WATER										SOIL									
AIR										SLUDGE									
HCL										HNO3									
ICE										NONE									
DATE 8-27										TIME 5pm									
BTEX, MTBE										TPH									
Total Metals Ag As Ba Cd Cr Pb Hg Se										TCLP Metals Ag As Ba Cd Cr Pb Hg Se									
TCLP Volatiles										TCLP Semi Volatiles									
RCI										8240 / 8260									
8270										PAH									
Turn around # of days										Fax ASAP									
Hold																			
Redesignated by: Date: Time: 8-27 5pm										Received by: Date: Time: 8-29-92 11:00									
Redesignated by: Date: Time:										Received by: Date: Time:									
Redesignated by: Date: Time:										Received at Laboratory by: Date: Time:									
REMARKS										Call Mike Griffin w/ Whole Earth Invers.									



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202
August 26, 1996



Mr. William C. Olson
Hydrogeologist - Environmental Bureau
New Mexico Energy and Natural Resources Dept.,
Oil Conservation Division
2040 Pacheco
Santa Fe, New Mexico

RE: Results of first set of monitoring samples taken from
Burrow Pipeline Corporation's Lane Salt Lake SWD
pits Lea County, New Mexico

RECEIVED

AUG 28 1996

Environmental Bureau
Oil Conservation Division

Dear Mr. Olson:

Enclosed is a copy of Whole Earth Environmental Inc.'s report on the monitoring samples taken on 7/18/96 for Tipperary Corporation at the Lane Salt Lake SWD pits. The report contains a plat showing where the samples were taken as well as the laboratory analysis results. (I have included a copy of the State of New Mexico's "duplicate sample" lab results as well. Thanks for sending us the copy of your lab analysis results so quickly.)

Inadvertently, a PAH analysis of the Tipperary's water sample was not run. A new sample was taken for PAH analysis and sent to Environmental Labs of Texas on 8/23/96. Results of this analysis will be forwarded to you as soon as we receive them.

Tipperary would like to receive "final closure status" from New Mexico as soon as possible. However, in order for us all to meet EPA requirements, I understand that even though the required sample parameters tested below the maximum allowable limits, we may need to collect and analyze a second set of monitoring samples after the second anniversary of the pits' closure date before we can be granted "final closure status".

Please let me know if you have questions or if you need additional information.

Sincerely,

Robert H. Fehlmann
Environmental Coordinator

cc: Wayne Price, OCD Hobbs Office



July, 1996 Sample

AVERY



Lane Salt Lake Water Disposal Pits July, 1996 Re-sampling Project Executive Summary

1. Site Inspection & Sampling

On July 17, 1996 Whole Earth Environmental, Inc. conducted a field survey in accordance with Whole Earth Quality Procedure QP-32 submitted to Tipperary on April 19, 1996. The surface of the location was examined and found to be free of hydrocarbon seeps, staining or strong odor.

A total of sixteen soil samples were analyzed for TPH and BTEX concentrations. The sample locations were taken from locations at in proximity to the confirmation sample locations of October, 1995. The sample results and plat map of the site are enclosed.

2. Witnessing

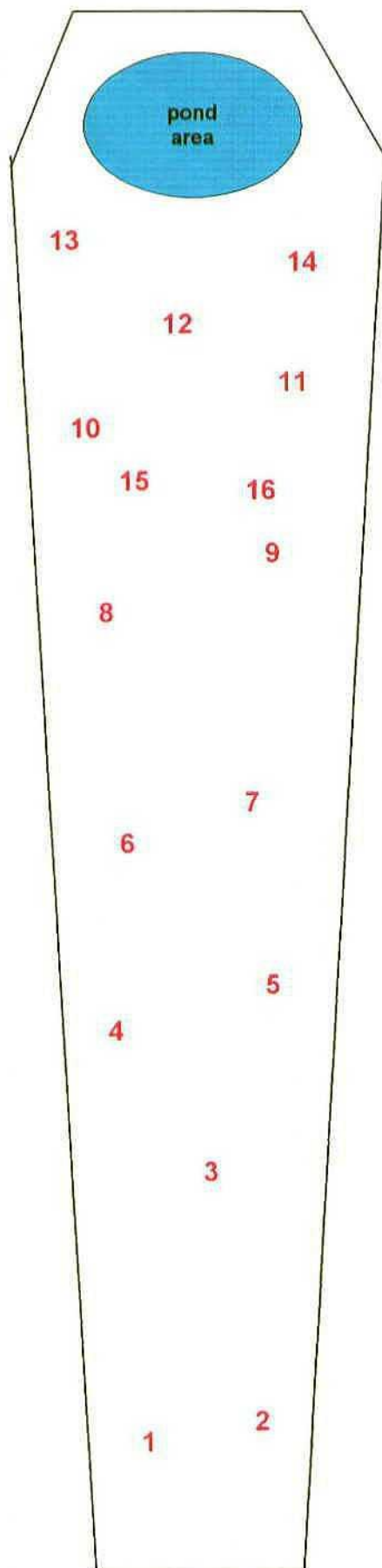
On July 18, Whole Earth was met at the location by Messrs. Olson and Price of the New Mexico Oil Conservation Division. Duplicate water samples were obtained and analyzed for BTEX, volatile, semi-volatile compounds. The Whole Earth sample was sent to Environmental Labs of Texas in Odessa, Texas, while the OCD sample was sent to American Environmental Network, Inc. in Albuquerque, New Mexico. Results of both sample sets are enclosed.

3. Test Results

Two TPH test results (sample points 10 & 11) revealed concentrations higher than the approved guidelines however all BTEX, volatile and semi-volatile results were found to be within acceptance criteria. The OCD test results for polynuclear aromatic hydrocarbon compounds (PAH) were additionally found to contain trace amounts of naphthalene compounds however the concentrations were within acceptance standards. Whole Earth has submitted a similar confirmation sample for PAH testing to Environmental Labs of Texas on August 23rd.

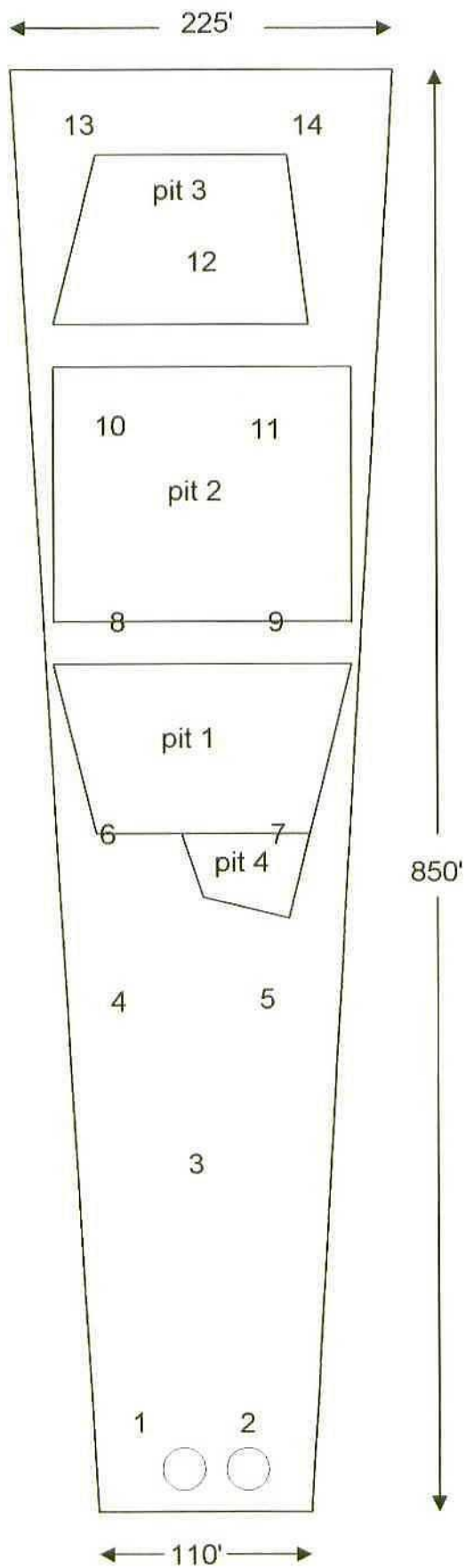
4. Monitoring

The New Mexico OCD has requested that a final test survey be conducted before the second anniversary of the pit closure. It is my recommendation that no additional remediation activities are required at the facility until the time of final sampling.



Sample Locations
July '96





October '95
Sample Locations





ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 07 / 18 / 96

Pit Type: Brine Discharge

Date of Analysis: 07 / 18 / 96

Client: Tipperary O & G

Analyst: M. Griffin

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	SP # 1 @ 3'	SP # 2 @ 4'	SP# 3 @ 3'	SP # 4 @ 4'	SP # 5 @ 4'
TPH	3,070	120	2,420	1,410	2,510
VOC					
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: N / A °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 07 / 18 / 96

Pit Type: Brine Discharge

Date of Analysis: 07 / 18 / 96

Client: Tipperary O & G

Analyst: M. Griffin

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	SP # 6 @ 4'	SP # 7 @ 4'	SP# 8 @ 5'	SP # 9 @ 5'	SP # 10 @ 5'
TPH	4,000	4,900	290	930	4,160
VOC					
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: N / A °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 07 / 18 / 96

Pit Type: Brine Discharge

Date of Analysis: 07 / 18 / 96

Client: Tipperary O & G

Analyst: M. Griffin

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	SP # 10 @ 5.5'	SP # 10 @ 6'	SP# 11 @ 5.5'	SP #12 @ 3'	SP # 13 @ 3'
TPH	5,420	3,960	5,080	290	1,180
VOC					
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: N / A °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 07 / 18 / 96

Pit Type: Brine Discharge

Date of Analysis: 07 / 18 / 96

Client: Tipperary O & G

Analyst: M. Griffin

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	SP # 14 @ 6'	SP # 14 @ 5'	SP# 15 @ 5'	SP #16 @ 4'	
TPH	1,070	1,040	230	2,660	
VOC					
Benzene	N / D	N / D	N / D	N / D	
Toluene	N / D	N / D	N / D	N / D	
Ethyl-Benzene	N / D	N / D	N / D	N / D	
Xylene	N / D	N / D	N / D	N / D	

Temperature of sample: N / A °F

Notes: 1. All results shown in mg/L (ppm).

ENVIRONMENTAL

LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL, INC.
MR. MIKE GRIFFIN
16337 PARK ROW
HOUSTON, TEXAS 77084-5191
FAX: 713-578-1190

RECEIVING DATE: 07/18/96
SAMPLE TYPE: WATER
PROJECT : CANE SALT LAKE
FIELD CODE: CANE SALT LAKE

ANALYSIS DATE: 08/05/96
SAMPLING DATE: 07/18/96
SAMPLE CONDITION: Intact/Iced

TCLP VOLATILES (ppm)	SAMPLE 8001	PQL	BLANK	%EA	%IA
1,1-Dichloroethene	ND	0.005	ND	80	119
2-Butanone	ND	0.100	ND		109
Chloroform	ND	0.005	ND		100
Benzene	ND	0.005	ND	77	104
1,2-Dichloroethane	ND	0.005	ND		101
Vinyl Chloride	ND	0.005	ND		106
Carbon Tetrachloride	ND	0.005	ND		67
Trichloroethene	ND	0.005	ND	97	100
Tetrachloroethene	ND	0.005	ND		85
Chlorobenzene	ND	0.005	ND	98	91
1,4-Dichlorobenzene	ND	0.005	ND		106

SYSTEM MONITORING COMPOUNDS
dibromofluoromethane
toluene-d8
4-bromofluorobenzene

% RECOVERY
106
120
114

ND = < PQL
PQL = PRACTICAL QUANTITATION LIMIT
Methods: EPA SW 846-8240, 1311


Michael R. Fowler

8-596
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL, INC.
MR. MIKE GRIFFIN
16337 PARK ROW
HOUSTON, TEXAS 77084-5191
FAX: 713-578-1190

Receiving Date: 07/18/96
Sample Type: WATER
Project #: CANE SALT LAKE
Project Location: CANE SALT LAKE
Field Code: CANE SALT LAKE

Analysis Date: 07/24/96
Sampling Date: 07/18/96
Sample Condition: Intact/Iced

TCLP SEMIVOLATILE ORGANICS (ppm)	REPORTING LIMIT	ELT# 8001	RPD	%EA	%IA
Pyridine	0.050	ND	122	46	93
1,4-Dichlorobenzene	0.050	ND	1	69	100
o-Cresol	0.050	ND	15	65	102
Nitrobenzene	0.050	ND	1	87	107
m,p -Cresol	0.050	ND	27	122	104
Hexachloroethane	0.050	ND	3	84	108
Hexachlorobutadiene	0.050	ND	1	83	99
2,4,6-Trichlorophenol	0.050	ND	1	79	97
2,4,5-Trichlorophenol	0.050	ND	2	95	96
2,4-Dinitrotoluene	0.050	ND	4	79	103
Hexachlorobenzene	0.050	ND	1	93	99
Pentachlorophenol	0.050	ND	7	78	105

ND= NOT DETECTED, < REPORTING LIMIT
SYSTEM MONITORING COMPOUNDS

	% Recovery
2-Fluorophenol	19
Phenol-d5	14
Nitrobenzene-d5	36
2-Fluorobiphenyl	38
2,4,6-Tribromophenol	67
Terphenyl-d14	100

Method: SW 846-8270,1311


Michael R. Fowler

8-5-96
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL, INC.
MR. MIKE GRIFFIN
16337 PARK ROW
HOUSTON, TEXAS 77084-5191
FAX: 713-578-1190

Receiving Date: 07/18/96
Sample Type: WATER
Project : CANE SALT LAKE
Project #: CANE SALT LAKE

Analysis Date: 07/19/96
Sampling Date: 07/18/96
Sample Condition: Intact/Iced

ELT#	FIELD CODE	BENZENE (mg/l)	TOLUENE (mg/l)	ETHYLBENZENE (mg/l)	m,p-XYLENE (mg/l)	o-XYLENE (mg/l)
8001	CANE SALT LAKE	<0.001	<0.001	<0.001	<0.001	<0.001

% IA	100	93	95	96	94
% EA	82	82	75	78	77
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8020.5030


Michael R. Fowler

8-5-96
Date



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

August 16, 1996


Mr. Robert H. Fehlmann
Environmental Coordinator
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

RE: SEEP WATER QUALITY
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION

Dear Mr. Fehlmann:

Enclosed you will find copies of the New Mexico Oil Conservation Division (OCD) water quality analytical results from samples of the seep area downgradient of Tipperary Corporation's (TC) former Lane Salt Lake Disposal Facility.

If you have any questions, please call me at (505) 827-7154.

Sincerely,


William C. Olson
Hydrogeologist
Environmental Bureau

xc w/enclosures: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Linda Freedman, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.

American Environmental Network, Inc.

AEN I.D. 607339

August 1, 1996

New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RECEIVED

AUG 07 1996

Environmental Bureau
Oil Conservation Division

Project Name LANE LAKE
Project Number (none)

Attention: Bill Olson

On 7/18/96 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 8310 analyses were performed by American Environmental Network (FL) Inc., 11 East Olive Road, Pensacola, FL.

All other analyses were performed by American Environmental Network (NM) Inc., Albuquerque, NM.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.



Kimberly D. McNeill
Project Manager



H. Mitchell Rubenstein, Ph. D.
Laboratory Manager

MR: mt

Enclosure

American Environmental Network, Inc.

CLIENT	: N.M. OIL CONSERVATION DIVISION	AEN I.D.	: 607339
PROJECT #	: (none)	DATE RECEIVED	: 7/18/96
PROJECT NAME	: LANE LAKE	REPORT DATE	: 8/1/96
AEN			DATE
ID. #	CLIENT DESCRIPTION	MATRIX	COLLECTED
01	9607181145	AQUEOUS	7/18/96
02	TRIP BLANK	AQUEOUS	7/16/96

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX, MTBE (EPA 8020)
 CLIENT : N.M. OIL CONSERVATION DIVISION
 PROJECT # : (none)
 PROJECT NAME : LANE LAKE

AEN I.D.: 607339

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	9607181145	AQUEOUS	7/18/96	NA	7/19/96	1
02	TRIP BLANK	AQUEOUS	7/16/96	NA	7/19/96	1
PARAMETER	DET. LIMIT	UNITS	01	02		
BENZENE	0.5	UG/L	< 0.5	< 0.5		
TOLUENE	0.5	UG/L	< 0.5	< 0.5		
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5		
TOTAL XYLENES	0.5	UG/L	< 0.5	< 0.5		
METHYL-t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5		

SURROGATE:

BROMOFLUOROBENZENE (%)

SURROGATE LIMITS

109 102
 (80 - 120) (80 - 120)

CHEMIST NOTES:

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST : BTEX, MTBE (EPA 8020) AEN I.D. : 607339
BLANK I. D. : 071996
CLIENT : NMOCD DATE ANALYZED : 7/19/96
PROJECT # : (none) SAMPLE MATRIX : AQUEOUS
PROJECT NAME : LANE LAKE

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<0.5

SURROGATE:
BROMOFLUOROBENZENE (%) 106
(80 - 120)

CHEMIST NOTES:

GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST : BTEX, MTBE (EPA 8020)
MSMSD # : 607339-01 AEN I.D. : 607339
CLIENT : N.M. OIL CONSERVATION DIVISION
PROJECT # : (none) DATE ANALYZED : 7/19/96
PROJECT NAME : LANE LAKE SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	10.3	103	9.9	99	4	(80 - 120)	20
TOLUENE	<0.5	10.0	10.0	100	9.8	98	2	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	10.0	100	9.7	97	3	(80 - 120)	20
TOTAL XYLENES	<0.5	30.0	30.8	103	29.6	99	4	(80 - 120)	20
ETHYL-t-BUTYL ETHER	<2.5	20.0	25.6	128	25.8	129	1	(70 - 133)	20

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

"FINAL REPORT FORMAT - SINGLE"

Accession: 607441
 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
 Project Number: 607339
 Project Name: NMOCD
 Project Location: LANE LAKE
 Test: POLYNUCLEAR AROMATICS BY 8310
 Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
 Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
 Matrix: WATER
 QC Level: II

Lab Id: 001
 Client Sample Id: 607339-01
 Sample Date/Time: 18-JUL-96 1145
 Received Date: 20-JUL-96

Batch: PAW130
 Blank: A Dry Weight %: N/A
 Extraction Date: 23-JUL-96
 Analysis Date: 27-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ACENAPHTHENE	UG/L	4	1	
ACENAPHTHYLENE	UG/L	2	1	
ANTHRACENE	UG/L	ND	1	
BENZO(a) ANTHRACENE	UG/L	ND	1	
BENZO(a) PYRENE	UG/L	ND	1	
BENZO(b) FLUORANTHENE	UG/L	ND	1	
BENZO(g,h,i) PERYLENE	UG/L	ND	1	
BENZO(k) FLUORANTHENE	UG/L	ND	1	
CHRYSENE	UG/L	ND	1	
DIBENZO(a,h) ANTHRACENE	UG/L	ND	1	
FLUORANTHENE	UG/L	1	1	
FLUORENE	UG/L	ND	1	
INDENO(1,2,3-cd) PYRENE	UG/L	ND	1	
NAPHTHALENE	UG/L	2	1	
PHENANTHRENE	UG/L	ND	1	
PYRENE	UG/L	ND	1	
1-METHYLNAPHTHALENE	UG/L	8	1	
2-METHYLNAPHTHALENE	UG/L	3	1	
2-CHLOROANTHRACENE	%REC/SURR	117	28-138	
ANALYST	INITIALS	BV		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607441
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607339
Project Name: NMOCD
Project Location: LANE LAKE
Test: POLYNUCLEAR AROMATICS BY 8310

Client Sample Id:	Parameter:	Unit:	Result:
607339-01	ACENAPHTHENE	UG/L	4
	ACENAPHTHYLENE	UG/L	2
	FLUORANTHENE	UG/L	1
	NAPHTHALENE	UG/L	2
	1-METHYLNAPHTHALENE	UG/L	8
	2-METHYLNAPHTHALENE	UG/L	3

"QC Report"

Title: Water Blank
Batch: PAW130
Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

Blank Id: A Date Analyzed: 27-JUL-96 Date Extracted: 23-JUL-96

Parameters:	Units:	Results:	Reporting Limits:
ACENAPHTHENE	UG/L	ND	1
ACENAPHTHYLENE	UG/L	ND	1
ANTHRACENE	UG/L	ND	1
BENZO (a) ANTHRACENE	UG/L	ND	1
BENZO (a) PYRENE	UG/L	ND	1
BENZO (b) FLUORANTHENE	UG/L	ND	1
BENZO (g, h, i) PERYLENE	UG/L	ND	1
BENZO (k) FLUORANTHENE	UG/L	ND	1
CHRYSENE	UG/L	ND	1
DIBENZO (a, h) ANTHRACENE	UG/L	ND	1
FLUORANTHENE	UG/L	ND	1
FLUORENE	UG/L	ND	1
INDENO (1, 2, 3-cd) PYRENE	UG/L	ND	1
NAPHTHALENE	UG/L	ND	1
PHENANTHRENE	UG/L	ND	1
PYRENE	UG/L	ND	1
1-METHYLNAPHTHALENE	UG/L	ND	1
2-METHYLNAPHTHALENE	UG/L	ND	1
2-CHLOROANTHRACENE	%REC/SURR	87	28-138
ANALYST	INITIALS	BV	

Comments:

"QC Report"

Title: Water Reagent
 Batch: PAW130
 Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
 Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

RS Date Analyzed: 26-JUL-96
 RSD Date Analyzed: 26-JUL-96

RS Date Extracted: 23-JUL-96
 RSD Date Extracted: 23-JUL-96

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
ACENAPHTHYLENE	10.0	<1	8.9	89	10.2	102	14	46	46-110
BENZO(k) FLUORANTHENE	10.0	<1	9.3	93	10.1	101	8	30	58-128
CHRYSENE	10.0	<1	9.4	94	9.9	99	5	29	62-129
PHENANTHRENE	10.0	<1	9.0	90	9.6	96	6	28	61-116
PYRENE	10.0	<1	8.8	88	9.2	92	4	26	62-120

Surrogates:
 2-CHLOROANTHRACENE 103 109 28-138

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
 UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
 * = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
 SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

"QC Report"

Title: Water Matrix
 Batch: PAW130
 Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
 Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

Dry Weight %: N/A
 Sample Spiked: 607441-1
 MS Date Analyzed: 26-JUL-96
 MSD Date Analyzed: 27-JUL-96
 MS Date Extracted: 23-JUL-96
 MSD Date Extracted: 23-JUL-96

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
ACENAPHTHYLENE	10.0	2	8.6	66	8.7	67	2	42	14-135
BENZO(k) FLUORANTHENE	10.0	<1	8.4	84	9.2	92	9	58	25-142
CHRYSENE	10.0	<1	8.5	85	9.1	91	7	51	3-176
PHENANTHRENE	10.0	<1	8.4	84	8.8	88	5	55	27-146
PYRENE	10.0	<1	8.4	84	9.6	96	13	47	15-157

Surrogates:
 2-CHLOROANTHRACENE 100 108 28-138

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
 UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
 * = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
 SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

Common notation for Organic reporting

N/S - NOT SUBMITTED
N/A - NOT APPLICABLE
D - DILUTED OUT
UG - MICROGRAMS
UG/L - PARTS PER BILLION.
UG/KG - PARTS PER BILLION.
MG/M3 - MILLIGRAM PER CUBIC METER.
PPMV - PART PER MILLION BY VOLUME.
MG/KG - PARTS PER MILLION.
MG/L - PARTS PER MILLION.
< - LESS THAN DETECTION LIMIT.
* - VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND - NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT - REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD - RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX

ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW - STEVE WILHITE
PL - PAUL LESCHENSKY
RW - ROBERT WOLFE
BV - BEN VAUGHN
BC - BETH COLEMAN
KS - KENDALL SMITH
KK - KERRY KUST
DWB - DAVID W. BOWERS
RP - ROB PEREZ
JBT - JENNIFER TORRANCE

CHAIN OF CUSTODY

DATE: 7/18/96 PAGE: 1 OF 1

PROJECT MANAGER: Bill Olson

COMPANY: N.M. Oil Conservation Div.

ADDRESS: 2040 S. Pacheco

PHONE: (505) 827-7154

FAX: (505) 827-8177

BILL TO: Same

COMPANY:

ADDRESS:

LAB ID:

DATE TIME MATRIX LAB ID

9607181145 7/18/96 1145 wdr -61

(North Seep)

Trip Blank 7/19/96 1630 wdr -07

Petroleum Hydrocarbons (418.1) TRPH

(MOD.8015) Diesel/Direct/Inject

(M8015) Gas/Purge & Trap

Gasoline/BTEX & MTBE (M8015/8020)

BTXE/MTBE (8020)

BTEX & Chlorinated Aromatics (602/8020)

BTEX/MTBE/EDC & EDB (8020/8010/Short)

Chlorinated Hydrocarbons (601/8010)

504 EDB / DBCP

Polynuclear Aromatics (610/8310)

Volatile Organics (624/8240) GC/MS

Volatile Organics (8260) GC/MS

Pesticides/PCB (608/8080)

Herbicides (615/8150)

Base/Neutral/Acid Compounds GC/MS (625/8270)

General Chemistry:

Priority Pollutant Metals (13)

Target Analyte List Metals (23)

RCRA Metals (8)

RCRA Metals by TCLP (Method 1311)

Metals:

ANALYSIS REQUEST

AEN LAB ID: 7/18/96 1145

PLEASE FILL THIS FORM IN COMPLETELY.

SHADED AREAS ARE FOR LAB USE ONLY

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: Sand Lake Lake

P.O. NO.:

SHIPPED VIA:

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

Hand Delivered
Direct from Field

RELINQUISHED BY:

Signature: Bill Olson

Printed Name: Bill Olson

Date: 7/18/96

Company:

RELINQUISHED BY:

Signature:

Printed Name:

Date:

Company:

Signature:

Printed Name:

Date:

Company:

Signature:

Printed Name:

Date:

Company:

CHAIN OF CUSTODY

DATE: 7/18/96 PAGE: 1 OF 1

AEN LAB I.D.

607339

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Bill Olson COMPANY: N.M. Oil Conservation Div. ADDRESS: 2040 S. Pacheco PHONE: (505) 827-7154 FAX: (505) 827-8177 BILL TO: Same COMPANY: ADDRESS:				ANALYSIS REQUEST Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct/Inject (M8015) Gas/Purge & Trap Gasoline/BTEX & MTBE (M8015/8020) BTXE/MTBE (8020) BTEX & Chlorinated Aromatics (602/8020) BTEX/MTBE/EDC & EDB (8020/8010/Short) Chlorinated Hydrocarbons (601/8010) 504 EDB <input type="checkbox"/> / DBCP <input type="checkbox"/> Polynuclear Aromatics (610/8310) Volatile Organics (624/8240) GC/MS Volatile Organics (8260) GC/MS Pesticides/PCB (608/8080) Herbicides (615/8150) Base/Neutral/Acid Compounds GC/MS (625/8270) General Chemistry: Priority Pollutant Metals (13) Target Analyte List Metals (23) RCRA Metals (8) RCRA Metals by TCLP (Method 1311) Metals: NUMBER OF CONTAINERS:							
SAMPLE ID 9607181145 (North Seep) Trip Blank		DATE 7/18/96		TIME 1145		MATRIX water		LAB I.D. -01			
PROJECT INFORMATION PROJ NO.: PROJ NAME: Santa Fe Lake P.O. NO.: SHIPPED VIA: SAMPLE RECEIPT NO. CONTAINERS: 6 CUSTODY SEALS: Y/N/A RECEIVED INTACT: Y RECEIVED BY: [Signature]		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (RUSH) <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 1 WEEK (NORMAL) <input checked="" type="checkbox"/>		CERTIFICATION REQUIRED: <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> OTHER METHANOL PRESERVATION <input type="checkbox"/>		COMMENTS: Hand Delivered Direct from field		RELINQUISHED BY: 1. Signature: [Signature] Printed Name: Bill Olson Date: 7/18/96 Company: American Environmental Network (NM), Inc.		RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: 7/18/96 Company: American Environmental Network (NM), Inc.	



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

August 16, 1996

Mr. Robert H. Fehlmann
Environmental Coordinator
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

RE: SEEP WATER QUALITY
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION

Dear Mr. Fehlmann:

Enclosed you will find copies of the New Mexico Oil Conservation Division (OCD) water quality analytical results from samples of the seep area downgradient of Tipperary Corporation's (TC) former Lane Salt Lake Disposal Facility.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc w/enclosures: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Linda Freedman, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.

American Environmental Network, Inc.

AEN I.D. 607339

August 1, 1996

New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RECEIVED

AUG 07 1996

Environmental Bureau
Oil Conservation Division

Project Name LANE LAKE
Project Number (none)

Attention: Bill Olson

On 7/18/96 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 8310 analyses were performed by American Environmental Network (FL) Inc., 11 East Olive Road, Pensacola, FL.

All other analyses were performed by American Environmental Network (NM) Inc., Albuquerque, NM.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.



Kimberly D. McNeill
Project Manager

MR: mt

Enclosure



H. Mitchell Rubenstein, Ph. D.
Laboratory Manager

American Environmental Network, Inc.

CLIENT	: N.M. OIL CONSERVATION DIVISION	AEN I.D.	: 607339
PROJECT #	: (none)	DATE RECEIVED	: 7/18/96
PROJECT NAME	: LANE LAKE	REPORT DATE	: 8/1/96
AEN			DATE
ID. #	CLIENT DESCRIPTION	MATRIX	COLLECTED
01	9607181145	AQUEOUS	7/18/96
02	TRIP BLANK	AQUEOUS	7/16/96

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX, MTBE (EPA 8020)
CLIENT : N.M. OIL CONSERVATION DIVISION
PROJECT # : (none)
PROJECT NAME : LANE LAKE

AEN I.D.: 607339

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	9607181145	AQUEOUS	7/18/96	NA	7/19/96	1
02	TRIP BLANK	AQUEOUS	7/16/96	NA	7/19/96	1
PARAMETER		DET. LIMIT	UNITS	01	02	
BENZENE		0.5	UG/L	< 0.5	< 0.5	
TOLUENE		0.5	UG/L	< 0.5	< 0.5	
ETHYLBENZENE		0.5	UG/L	< 0.5	< 0.5	
TOTAL XYLENES		0.5	UG/L	< 0.5	< 0.5	
METHYL-t-BUTYL ETHER		2.5	UG/L	< 2.5	< 2.5	

SURROGATE:

BROMOFLUOROBENZENE (%)

SURROGATE LIMITS

109 102
(80 - 120) (80 - 120)

CHEMIST NOTES:

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: BTEX, MTBE (EPA 8020)	AEN I.D.	: 607339
BLANK I. D.	: 071996		
CLIENT	: NMOCD	DATE ANALYZED	: 7/19/96
PROJECT #	: (none)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: LANE LAKE		

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<0.5

SURROGATE:

BROMOFLUOROBENZENE (%)

106
(80 - 120)

CHEMIST NOTES:

GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST : BTEX, MTBE (EPA 8020)
MSMSD # : 607339-01 AEN I.D. : 607339
CLIENT : N.M. OIL CONSERVATION DIVISION
PROJECT # : (none) DATE ANALYZED : 7/19/96
PROJECT NAME : LANE LAKE SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	10.0	10.3	103	9.9	99	4	(80 - 120)	20
TOLUENE	<0.5	10.0	10.0	100	9.8	98	2	(80 - 120)	20
ETHYLBENZENE	<0.5	10.0	10.0	100	9.7	97	3	(80 - 120)	20
TOTAL XYLENES	<0.5	30.0	30.8	103	29.6	99	4	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	25.6	128	25.8	129	1	(70 - 133)	20

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

"FINAL REPORT FORMAT - SINGLE"

Accession: 607441
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607339
Project Name: NMOC
Project Location: LANE LAKE
Test: POLYNUCLEAR AROMATICS BY 8310
Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Matrix: WATER
QC Level: II

Lab Id: 001 Sample Date/Time: 18-JUL-96 1145
Client Sample Id: 607339-01 Received Date: 20-JUL-96
Batch: PAW130 Extraction Date: 23-JUL-96
Blank: A Dry Weight %: N/A Analysis Date: 27-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
ACENAPHTHENE	UG/L	4	1	
ACENAPHTHYLENE	UG/L	2	1	
ANTHRACENE	UG/L	ND	1	
BENZO (a) ANTHRACENE	UG/L	ND	1	
BENZO (a) PYRENE	UG/L	ND	1	
BENZO (b) FLUORANTHENE	UG/L	ND	1	
BENZO (g, h, i) PERYLENE	UG/L	ND	1	
BENZO (k) FLUORANTHENE	UG/L	ND	1	
CHRYSENE	UG/L	ND	1	
DIBENZO (a, h) ANTHRACENE	UG/L	ND	1	
FLUORANTHENE	UG/L	1	1	
FLUORENE	UG/L	ND	1	
INDENO (1, 2, 3-cd) PYRENE	UG/L	ND	1	
NAPHTHALENE	UG/L	2	1	
PHENANTHRENE	UG/L	ND	1	
PYRENE	UG/L	ND	1	
1-METHYLNAPHTHALENE	UG/L	8	1	
2-METHYLNAPHTHALENE	UG/L	3	1	
2-CHLOROANTHRACENE	%REC/SURR	117	28-138	
ANALYST	INITIALS	BV		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607441
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607339
Project Name: NMOCD
Project Location: LANE LAKE
Test: POLYNUCLEAR AROMATICS BY 8310

Client Sample Id:	Parameter:	Unit:	Result:
607339-01	ACENAPHTHENE	UG/L	4
	ACENAPHTHYLENE	UG/L	2
	FLUORANTHENE	UG/L	1
	NAPHTHALENE	UG/L	2
	1-METHYLNAPHTHALENE	UG/L	8
	2-METHYLNAPHTHALENE	UG/L	3

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: PAW130
Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

Blank Id: A Date Analyzed: 27-JUL-96 Date Extracted: 23-JUL-96

Parameters:	Units:	Results:	Reporting Limits:
ACENAPHTHENE	UG/L	ND	1
ACENAPHTHYLENE	UG/L	ND	1
ANTHRACENE	UG/L	ND	1
BENZO (a) ANTHRACENE	UG/L	ND	1
BENZO (a) PYRENE	UG/L	ND	1
BENZO (b) FLUORANTHENE	UG/L	ND	1
BENZO (g, h, i) PERYLENE	UG/L	ND	1
BENZO (k) FLUORANTHENE	UG/L	ND	1
CHRYSENE	UG/L	ND	1
DIBENZO (a, h) ANTHRACENE	UG/L	ND	1
FLUORANTHENE	UG/L	ND	1
FLUORENE	UG/L	ND	1
INDENO (1, 2, 3-cd) PYRENE	UG/L	ND	1
NAPHTHALENE	UG/L	ND	1
PHENANTHRENE	UG/L	ND	1
PYRENE	UG/L	ND	1
1-METHYLNAPHTHALENE	UG/L	ND	1
2-METHYLNAPHTHALENE	UG/L	ND	1
2-CHLOROANTHRACENE	%REC/SURR	87	28-138
ANALYST	INITIALS	BV	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Reagent
Batch: PAW130
Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

RS Date Analyzed: 26-JUL-96
RSD Date Analyzed: 26-JUL-96

RS Date Extracted: 23-JUL-96
RSD Date Extracted: 23-JUL-96

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	Rec Lmts	Rec Lmts
ACENAPHTHYLENE	10.0	<1	8.9	89	10.2	102	14	46	46-110
BENZO(k) FLUORANTHENE	10.0	<1	9.3	93	10.1	101	8	30	58-128
CHRYSENE	10.0	<1	9.4	94	9.9	99	5	29	62-129
PHENANTHRENE	10.0	<1	9.0	90	9.6	96	6	28	61-116
PYRENE	10.0	<1	8.8	88	9.2	92	4	26	62-120

Surrogates:									
2-CHLOROANTHRACENE				103		109			28-138

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE
PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: PAW130
Analysis Method: 8310/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: 3510/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.

Dry Weight %: N/A MS Date Analyzed: 26-JUL-96 MS Date Extracted: 23-JUL-96
Sample Spiked: 607441-1 MSD Date Analyzed: 27-JUL-96 MSD Date Extracted: 23-JUL-96

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	Rec Lmts
ACENAPHTHYLENE	10.0	2	8.6	66	8.7	67	2	42 14-135
BENZO(k) FLUORANTHENE	10.0	<1	8.4	84	9.2	92	9	58 25-142
CHRYSENE	10.0	<1	8.5	85	9.1	91	7	51 3-176
PHENANTHRENE	10.0	<1	8.4	84	8.8	88	5	55 27-146
PYRENE	10.0	<1	8.4	84	9.6	96	13	47 15-157

Surrogates:
2-CHLOROANTHRACENE 100 108 28-138

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX

ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD

ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW = STEVE WILHITE
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ
JBT = JENNIFER TORRANCE

SHADED AREAS ARE FOR CAB USE ONLY

PROJECT INFORMATION		PRIORITY AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS		RELINQUISHED BY: 1.		RELINQUISHED BY:	
PROJECT NO.:		(RUSH) <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 1 WEEK (NORMAL) <input checked="" type="checkbox"/>		Signature: <i>[Signature]</i> Time: 7/18/96		Signature: Time:	
PROJECT NAME: <i>Long Lake</i>		CERTIFICATION REQUIRED: <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> OTHER		Printed Name: <i>William Olson</i> Date: 7/4/96		Printed Name: Date:	
P.O. NO.:		METHANOL PRESERVATION <input type="checkbox"/>		Company:		Company:	
SHIPPED VIA:		COMMENTS: FIXED FEE <input type="checkbox"/> <i>Hand Delivered Direct from field</i>		RECEIVED BY: <i>[Signature]</i>		RECEIVED BY: <i>[Signature]</i>	
				Signature: Time:		Signature: Time:	
				Printed Name: Date:		Printed Name: Date:	
				Company:		Company:	

PAGE: 1 OF 1

NUMBER OF CONTAINERS

PLEASE FILL THIS FORM IN COMPLETELY.

DISTRIBUTION: White, Canary - AEN Pink - ORIGINATOR



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

July 2, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-269-269-166

Mr. Robert H. Fehlmann
Environmental Coordinator
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: CLOSURE REPORT AND POST CLOSURE MONITORING PLAN
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION**

Dear Mr. Fehlmann:

The New Mexico Oil Conservation Division (OCD) has completed a review of Tipperary Corporation's (TC) January 9, 1996 "FINAL REMEDIATION REPORT, SALT WATER SKIMMER PITS, LANE SALT LAKE WATER DISPOSAL FACILITY OWNED BY BURRO PIPELINE CORPORATION, LEA COUNTY, NEW MEXICO" and May 1, 1996 "REPLY TO CLOSURE REPORT QUESTIONS IN YOUR APRIL 12, 1996 LETTER, LANE SALT LAKE DISPOSAL FACILITY, BURRO PIPELINE CORPORATION". These documents contain the results of TC's closure actions at Burro Pipeline Corporation's Lane Salt Lake Disposal Facility and a post closure monitoring plan for the facility.

The remedial activities as contained in the above referenced documents are satisfactory and the post closure monitoring plan is approved with the following conditions:

1. TC will obtain 2 ground water/seep samples from the playa at locations directly downgradient of the former facility. The samples will be obtained and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) and polynuclear aromatic hydrocarbons (PAH) using appropriate EPA methods.
2. All soil samples will be obtained and analyzed using appropriate EPA methods.
3. TC will submit a report on the post closure monitoring to the OCD by September 1, 1996. The report will include a description of the actions performed, the results of all sampling activities and recommendations for closure.

Mr. Robert H. Fehlmann

July 2, 1996

Page 2

4. TC will notify the OCD at least one week in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.
5. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Hobbs District Office.

Please be advised that OCD approval does not relieve TC of liability should the monitoring activities determine that contamination exists which is beyond the scope of the work plan. In addition, OCD approval does not relieve TC of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

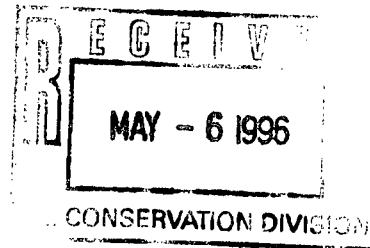
xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Linda Freedman, NM State Land Office
Mike Griffin, Whole Earth Environmental, Inc.



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

May 1, 1996



Mr. William C. Olson
Hydrogeologist - Environmental Bureau
New Mexico Energy and Natural Resources Dept.,
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

RE: REPLY TO CLOSURE REPORT QUESTIONS
IN YOUR APRIL 12, 1996 LETTER,
LANE SALT LAKE DISPOSAL FACILITY
BURROW PIPELINE CORPORATION

Dear Mr. Olson:

Thank you for your April 12, 1996 letter concerning Tipperary's Lane Salt Lake, Salt Water Disposal Facility, Closure Report. I can see how parts of it might be unclear. Each point of your letter is addressed below, (The numbers coincide with the numbers on the questions in your original letter):

1. The trash, consisting of metal, netting and net supports, etc. was not hauled to Gandy Corporation. It was hauled by Gandy Corporation to Controlled Recovery, Inc. (CRI) in Hobbs, New Mexico. Copies of the manifests showing these loads are enclosed. Manifests do show that one load of junk pipe was taken to the Gandy Plant.
2. Part of the fluids pulled from the pits was disposed of into Burrow Pipeline's Satellite #1 where it subsequently was injected down Burro's SWD well. The rest of the fluids were taken either to H & M Disposal or to CRI. Copies of the manifest/shipping tickets are enclosed.
3. An addendum to the closure report is included. It shows the location and depth at which each sample was taken during the remediation process. We should have included these in the original report.
4. The colored overlays in the original closure report illustrate how much contamination was present and where it was located before excavation and remediation. No map of pollutant concentrations after excavation was made because all the contaminated material was excavated

and remediated prior to re-deposition into the pits. Table TPH's shown are for already remediated materials, hence their lower readings.

5. All the final spread zone samples were taken within 1 foot of the surface. Remediation of the soil was done by spreading out and mixing about 40 cu. yd. soil batches at a time. These batches were composite sampled and tested before redeposit. Pollutant concentrations in all replaced soils tested below the closure standard limits.
6. A post closure monitoring plan (QP 23 - two pages) is enclosed. Rather than sampling to a depth of one foot, as Whole Earth Environmental proposes in paragraph 3.2.1, we intend to randomly sample from 1 ft. to 5 ft. Depths. This will ensure that samples will be of remediated soils below the thin layer of top soil which was spread over the area prior to refencing.

Tipperary intends to collect and test the monitoring samples fall of 1996. We will forward a copy of the lab analyses to you as soon as we receive them.

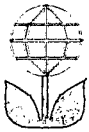
I hope this satisfactorily answers your questions. Please let me know whether or not the proposed post closure monitoring plan (QP 23) meets your requirements. Contact me if you need more information or have more questions.

Sincerely,



Robert H. Fehlmann
Environmental Coordinator

- Encl.: 1. Trash manifests
2. Fluid manifests
3. Monitoring Plan (QP 23)
4. Closure Plan Addendum



**WHOLE EARTH ENVIRONMENTAL
QUALITY PROCEDURE**

**Sampling and Testing Protocol
Tipperary Lane Salt Lake
Monitoring Plan**

Completed By:	Approved By:	Effective Date: / /
---------------	--------------	---------------------------

1.0 Purpose

This procedure is to be used to measure the concentrations of contaminants remaining at the site of a series of brine discharge pits which have been previously closed in accordance with New Mexico Oil Conservation Division Guidelines. The purpose is to insure that no contaminate concentrations exceeding New Mexico guidelines remain at the facility. Secondarily, this procedure is to be used for the sample collection and testing of ground water samples to be obtained from the northern extremity of the facility.

2.0 Scope

This procedure is to be used exclusively for investigation of the Tipperary Corporation's Lane Salt Lake Disposal Facility.

3.0 Procedure**3.1 Preliminary**

The Sr. Tech. shall first walk completely around the site to look for the presence of free hydrocarbons such as oil or paraffins which may have seeped from below ground. If any such seeps are found, their location shall be noted and further remediation planned.

The Sr. Tech. Shall then walk to the salt flat located between the remediation site and Lane Salt Lake looking for the presence of sheen on the water. If any such sheen is discovered, a water sample shall be obtained and sent to Environmental Labs of Texas for analysis of BTEX & TPH.

3.2 Sample Collection and Preparation

3.2.1 A minimum of 14 soil samples shall be collected from the facility at a depth of 12" below ground level. The sample collection points shall be at or near the location of the previous samples reported in Lane Salt Lake Water Disposal Pits Pit Closure Project dated December 29, 1995 in the section titled "Restoration".

3.2.2 The soil samples shall be collected and inserted within approved sample collection vials or bags marked with the sample number and depth of collection.

3.2.3 A minimum of two soil samples shall be submitted directly to Environmental Labs of Texas for verification of BTEX & TPH field analysis measurements.

3.2.4 The soil samples will be prepared in accordance with WEQP-06 and WEQP-19.

3.3 Sampling Procedure

WEQP-06 & WEQP-19 shall be used to measure the concentrations of aliphatic hydrocarbons, benzene, toluene, ethylbenzene and xylene within the soil.

4.0 Reporting

4.1 The Sr. Tech shall prepare a schematic of the location to include gross dimensions of the site and the specific locations of each test point. This schematic and all field test results will be entered into the field project file and submitted immediately by fax to Tipperary Corporation and to Whole Earth headquarters for final processing.

4.2 Whole Earth will prepare a final monitoring report for Tipperary which shall include the following minimum data:

- A. Schematic of the facility to include the location of all test points.
- B. Results of each field test.
- C. Results of Environmental Labs of Texas tests.
- D. Summary request for final closure status or recommendations for further remediation.



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 1 Tank Area N. Wall @ 6'	Sample # 2 Tank Area S. Wall @ 6'	Sample # 3 Tank Area E. Wall @ 6'	Sample # 4 Tank Area W. Wall @ 8'	Sample # 5 Tank Area Bottom @ 6'
TPH	1,050	205	276	780	713
Benzene	N / D	3	N / D	2	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

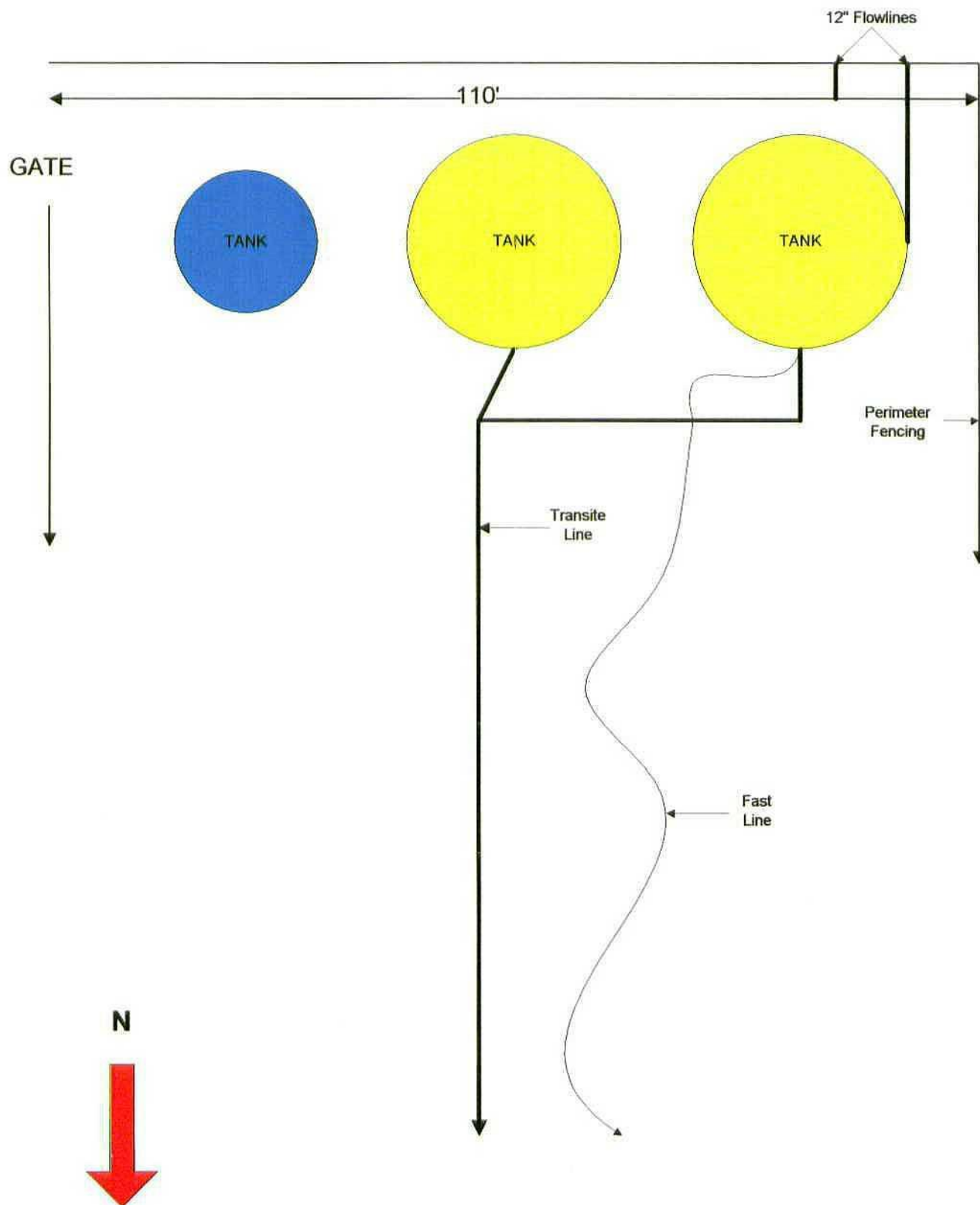
SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 6 Tank Area Bottom @ 6'	Sample # 7 Tank Area Bottom @ 12'	Sample # 8 Tank Area Bottom @ 12'		
TPH	116	54	2,170		
Benzene	N / D	N / D	N / D		
Toluene	N / D	N / D	N / D		
Ethyl-Benzene	N / D	N / D	N / D		
Xylene	N / D	N / D	N / D		

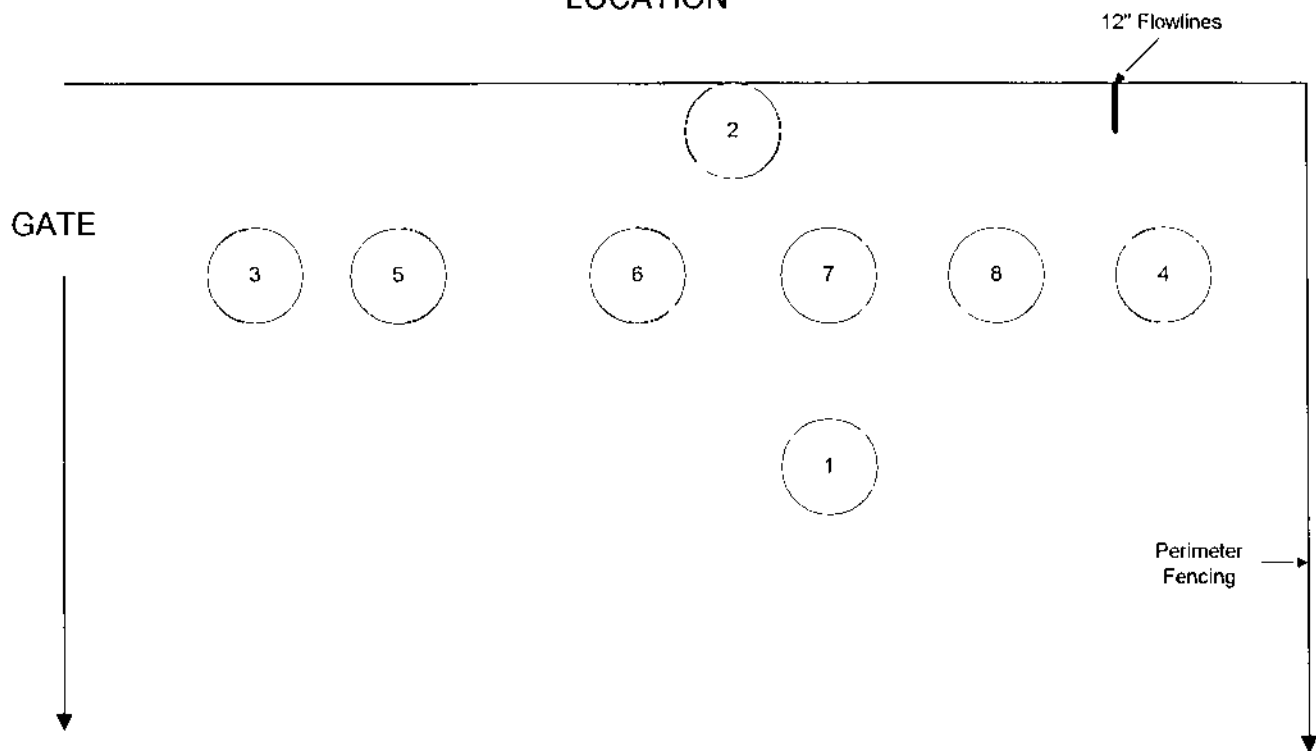
Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).

BATTERY AREA DETAIL



BATTERY AREA DETAIL
SAMPLE POINT
LOCATION





ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 1 Pit # 1 W.Wall @ 6'	Sample # 2 Pit # 1 W.Wall @ 8'	Sample # 3 Pit # 1 W.Wall @ 4'	Sample # 4 Pit # 1 W.Wall @ 4'	Sample # 5 Pit # 1 E.Wall @ 12'
TPH	410	4,900	1,170	68	1,740
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 6 Pit # 1 E.Wall @ 8'	Sample # 7 Pit # 1 E.Wall @ 10'	Sample # 8 Pit # 1 E.Wall @ 10'	Sample # 9 Pit # 1 S.Wall @ 5'	Sample # 10 Pit # 1 S.Wall @ 8'
TPH	4,600	2,350	4,210	391	4,750
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	3
Ethyl-Benzene	N / D	N / D	N / D	N / D	1
Xylene	N / D	N / D	N / D	N / D	1

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 11 Pit # 1 Bottom @ 10'	Sample # 12 Pit # 1 Bottom @ 6'	Sample # 13 Pit # 1 Bottom @ 5'	Sample # 14 Pit # 1 Bottom @ 5'	Sample # 15 Pit # 1 Bottom @ 10'
TPH	160	107	263	391	23
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

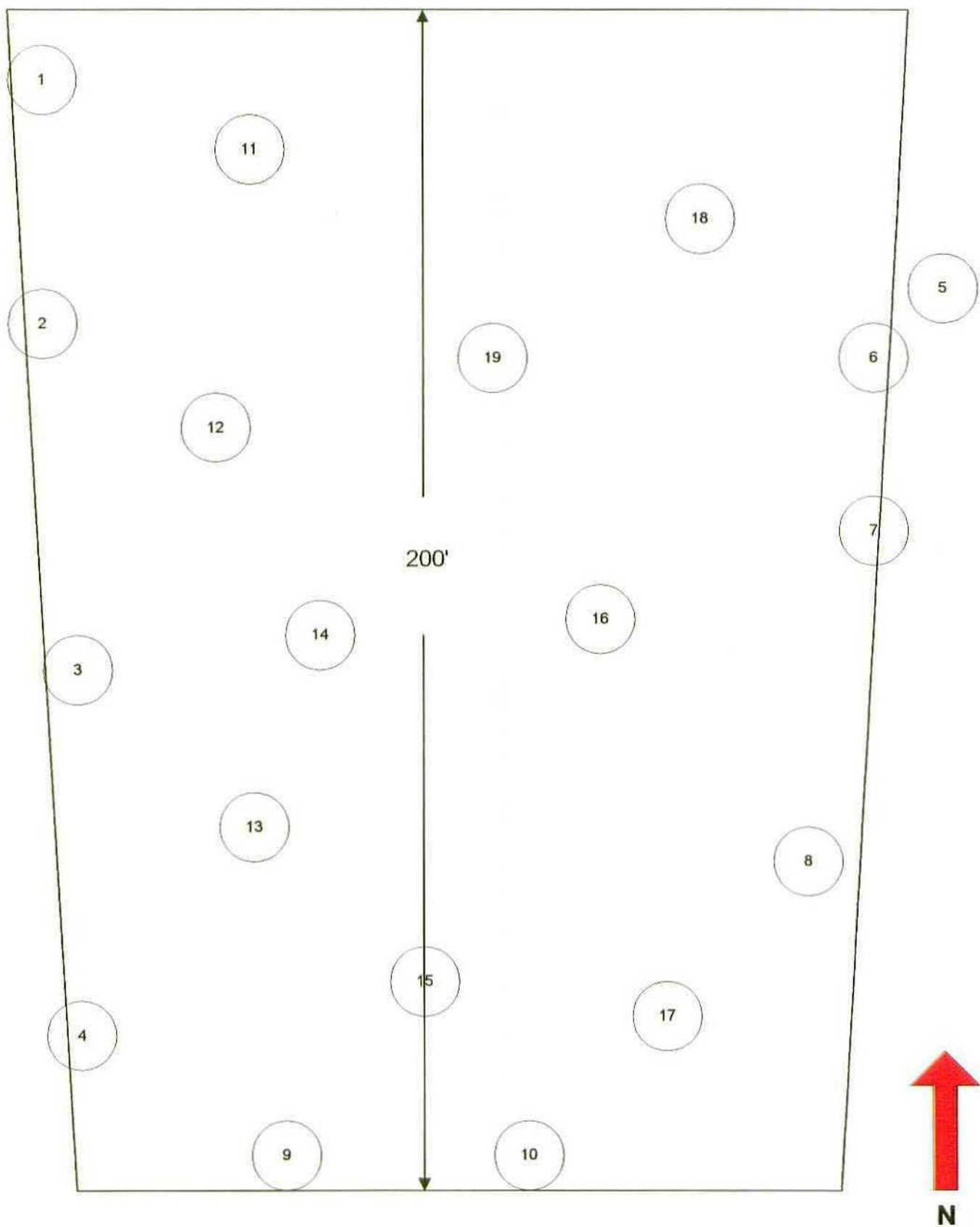
	Sample # 16 Pit # 1 Bottom @ 12'	Sample # 17 Pit # 1 Bottom @ 8'	Sample # 18 Pit # 1 Bottom @ 10'	Sample # 19 Pit # 1 Bottom @ 18'	
TPH	163	4,600	4,210	770	
Benzene	N / D	2	N / D	N / D	
Toluene	N / D	N / D	N / D	N / D	
Ethyl-Benzene	N / D	N / D	1	N / D	
Xylene	N / D	N / D	N / D	N / D	

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).

← 100' →

PIT # 1
SAMPLING LOCATIONS





ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 1 Pit # 2 W. Wall @ 6'	Sample # 2 Pit # 2 W. Wall @ 6'	Sample # 3 Pit # 2 W. Wall @ 8'	Sample # 4 Pit # 2 W. Wall @ 6'	Sample # 5 Pit # 2 E. Wall @ 7'
TPH	2,560	4,310	1,120	765	4,120
Benzene	N / D	4	N / D	N / D	2
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	1	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E.Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N:

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 6 Pit # 2 E.Wall @ 6'	Sample # 7 Pit # 2 E.Wall @ 6'	Sample # 8 Pit # 2 E.Wall @ 5'	Sample # 9 Pit # 2 Bottom @ 12'	Sample # 10 Pit # 2 Bottom @ 12'
TPH	563	3,620	822	8	2,350
Benzene	N / D	N / D	N / D	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N/A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E.Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

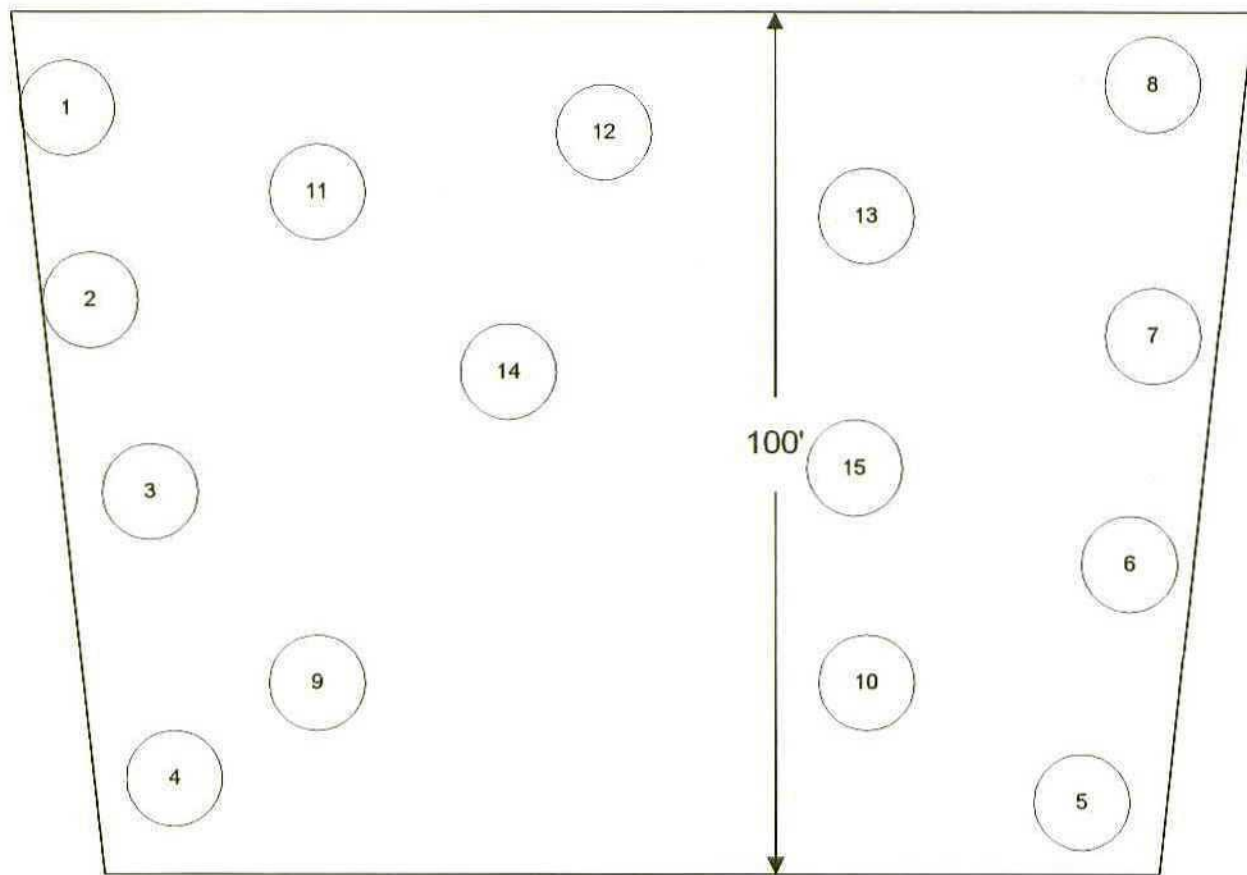
	Sample # 11 Pit # 2 Bottom @13'	Sample # 12 Pit # 2 Bottom @ 15'	Sample # 13 Pit # 2 Bottom @12'	Sample # 14 Pit # 2 Bottom @ 22'	Sample # 15 Pit # 2 Bottom @ 28'
TPH	1,230	3,470	654	970	654
Benzene	N / D	N / D	N / D	N / D	2
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).

← 150' →

PIT # 2
SAMPLING LOCATIONS





ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 1 Pit # 3 E. Wall @ 4'	Sample # 2 Pit # 3 E. Wall @ 5'	Sample # 3 Pit # 3 E. Wall @ 5'	Sample # 4 Pit # 3 N. Wall @ 3'	Sample # 5 Pit # 3 N. Wall @ 3'
TPH	135	1,780	332	2,340	3,330
Benzene	N / D	N / D	N / D	N / D	3
Toluene	N / D	N / D	N / D	N / D	1
Ethyl-Benzene	N / D	N / D	N / D	N / D	1
Xylene	N / D	N / D	N / D	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).



ANALYTICAL REPORT FORM

Well Name: N / A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E. Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

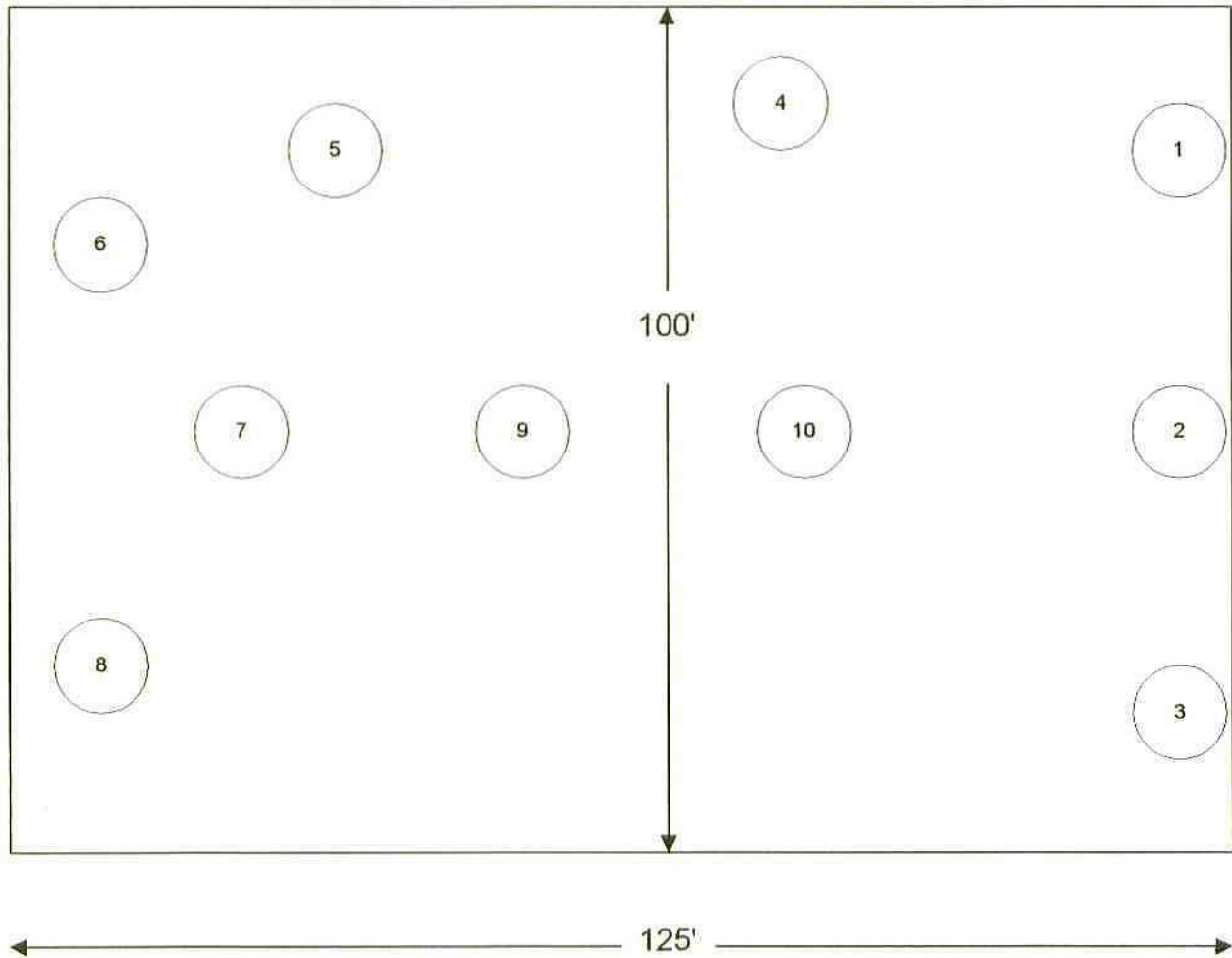
SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 6 Pit # 3 W.Wall @ 4'	Sample # 7 Pit # 3 W.Wall @ 4'	Sample # 8 Pit # 3 W.Wall @ 3'	Sample # 9 Pit # 3 Bottom @ 12'	Sample # 10 Pit # 3 Bottom @ 12'
TPH	677	4,160	3,950	126	778
Benzene	N / D	5	5	N / D	N / D
Toluene	N / D	N / D	N / D	N / D	N / D
Ethyl-Benzene	N / D	N / D	N / D	N / D	N / D
Xylene	N / D	2	3	N / D	N / D

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).

PIT # 3
SAMPLING LOCATIONS





ANALYTICAL REPORT FORM

Well Name: N/A

Date of Collection: 10 / 05 / 95

Pit Type: Brine Discharge

Date of Analysis: 10 / 05 / 95

Client: Tipperary O & G

Analyst: E.Werner

TPH Analyzer S/N: 01159

VOC Analyzer S/N: _____

Chromatograph S/N SA 920043

ANALYSIS: TPH / VOC Confirmation Testing for New Mexico Pit Closures

ANALYTICAL METHOD: Extraction by Means of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciation by means of WEQP-19

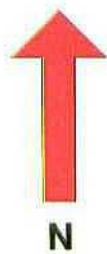
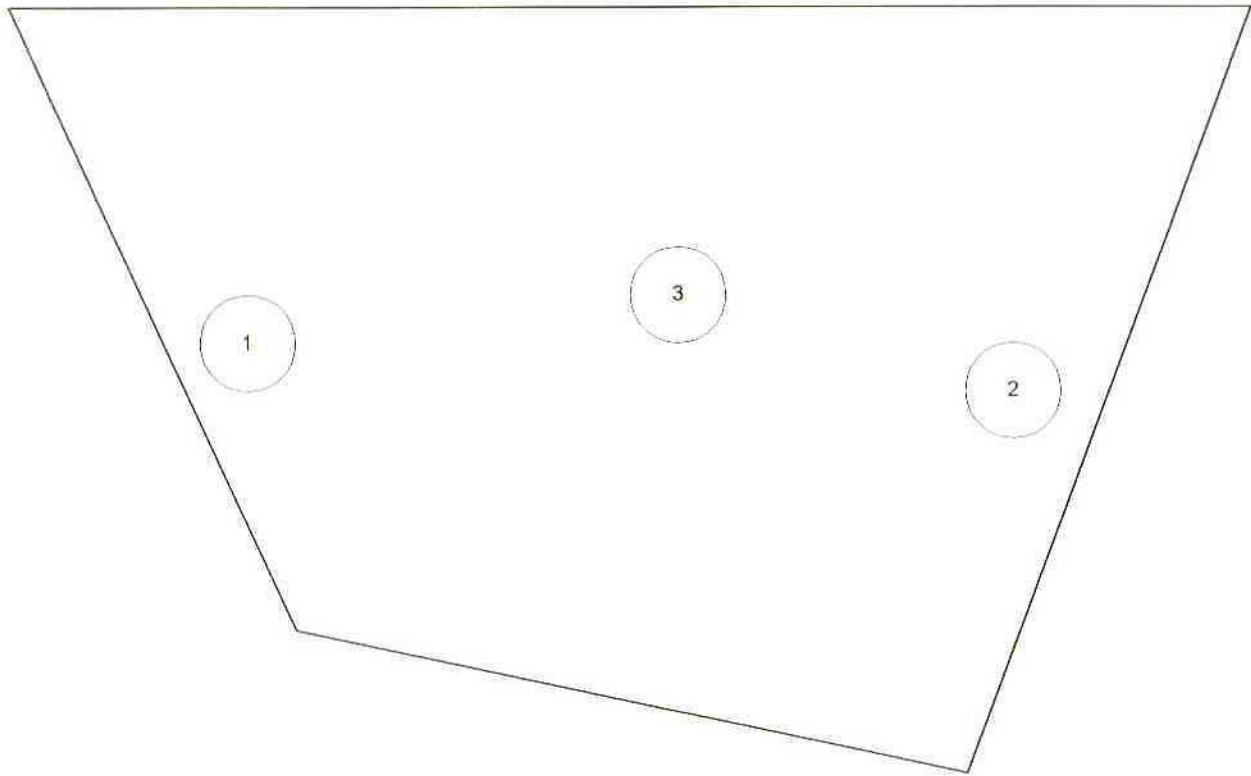
SAMPLE PREPARATION: Solvent Extraction / Volatilization

	Sample # 1 Pit # 4 W.Wall @ 15'	Sample # 2 Pit # 4 E.Wall @ 15'	Sample # 3 Pit # 4 Bottom @ 24'		
TPH	4,660	3,250	26		
Benzene	N / D	1	N / D		
Toluene	N / D	N / D	N / D		
Ethyl-Benzene	N / D	N / D	N / D		
Xylene	N / D	N / D	N / D		

Temperature of sample: 72 °F

Notes: 1. All results shown in mg/L (ppm).

PIT # 4
SAMPLING LOCATIONS



P.O. Box 827
393-4960

GANDY CORPORATION

TATUM, NEW MEXICO 88267
Roustabout Crews — Winch Trucks
NMSCC #14225

1109 E. Broadway

Nº 87602

Date 11-17-95

AUTHORIZATION FOR WORK

YOUR NO. 510

COMPANY Tipperary Oil & Gas

LEASE Lake Lake Sand

MAIL INVOICE TO _____

WELL _____

DESCRIPTION OF WORK

Haul 12 yards to CRI

Equipment Used <u>Dump Truck</u>	@ \$ <u>40.00</u>	Hrs. worked <u>5 1/2</u>	Total <u>220.00</u>
Equipment Used _____	@ \$ <u>15.00</u>	Hrs. worked <u>12 YD.</u>	Total <u>180.00</u>
Pusher <u>Richard Hood</u>	@ \$ _____	Hrs. worked <u>5 1/2</u>	Total _____
Labor _____	@ \$ _____	Hrs. worked _____	Total _____
Roustabout _____	Hrs. worked _____	Sub Total <u>400.00</u>	
Roustabout _____	Hrs. worked _____	Sales Tax <u>23.75</u>	
Roustabout _____	Hrs. worked _____	TOTAL <u>423.75</u>	
Roustabout _____	Hrs. worked _____		

Approved by _____

SUPERIOR-102

CONTROLLED RECOVERY INC.

P.O. BOX 369 HOBBS, NEW MEXICO 88241
(505) 393-1079

87602

LEASE OPERATOR/COMPANY: Tipperary Oil & Gas

LEASE NAME: Lake Lake Sand

TRANSPORTER COMPANY: Gandy

TIME: 2:15 AM/PM

DATE: 11-17-95

VEHICLE No. 510

DRIVER No. _____

TYPE OF MATERIAL		
<input type="checkbox"/> PRODUCTION WATER	<input type="checkbox"/> DRILLING FLUIDS	<input type="checkbox"/> COMPLETION FLUIDS
<input type="checkbox"/> TANK BOTTOMS	<input checked="" type="checkbox"/> CONTAMINATED SOIL	<input type="checkbox"/> C-117 No. _____
<input type="checkbox"/> OTHER MATERIAL		

DESCRIPTION: _____

VOLUME OF MATERIAL: ☐ BBLs. ☒ YARD 12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Richard Hood
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

20698

White - CRI

Canary - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

P.O. Box 827
393-4960

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews — Winch Trucks

NMSCC #14225

Nº 89633

Date 11-17-95

AUTHORIZATION FOR WORK

COMPANY Lippman

LEASE Dump - Lane - Lake

YOUR NO. 506

MAIL INVOICE TO

WELL SWD

DESCRIPTION OF WORK

Handled pipe sent to C&I

Equipment Used	<u>Dump Truck</u>	@ \$ <u>40.00</u>	Hrs. worked	<u>12 1/2</u>	Total	<u>500.00</u>
Equipment Used		@ \$ <u>15.00</u>	Hrs. worked	<u>24 1/2</u>	Total	<u>360.00</u>
Pusher	<u>Estimote</u>	@ \$	Hrs. worked	<u>12 1/2</u>	Total	
Labor		@ \$	Hrs. worked		Total	
Roustabout		Hrs. worked			Sub Total	<u>860.00</u>
Roustabout		Hrs. worked			Sales Tax	<u>51.06</u>
Roustabout		Hrs. worked			TOTAL	<u>911.06</u>
Roustabout		Hrs. worked				

Approved by _____

SUPERIOR-102

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

89633

LEASE OPERATOR/COMPANY: 1-085 12 PM 0-6 14 PM

LEASE NAME: 6-0-0-1 14 PM 5-4-0

TRANSPORTER COMPANY: 6-0-0-1

TIME: 5:00

AM/PM

DATE: 11-17-95

VEHICLE No.:

DRIVER No.:

TYPE OF MATERIAL
☐ PRODUCTION WATER
☒ TANK BOTTOMS
☐ OTHER MATERIAL
☒ DRILLING FLUIDS
☒ CONTAMINATED SOIL
DESCRIPTION:

☐ COMPLETION FLUIDS
☐ C-117 No.

VOLUME OF MATERIAL: ☐ BBLs. 4 YARD 12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

20725

White - CRI

Canary - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

89632

LEASE OPERATOR/COMPANY: Tipary Oil & Gas
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gulx TIME: 1200 AM/PM
DATE: 11 17 95 VEHICLE No.: 507 DRIVER No.: _____

TYPE OF MATERIAL
☐ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☐ TANK BOTTOMS ☒ CONTAMINATED SOIL ☒ C-112 80632
☐ OTHER MATERIAL: Soil Contaminated
DESCRIPTION: _____

VOLUME OF MATERIAL ☐ BBLs. _____ ☒ YARD 12 _____

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

20808

White - CRI 8-25251 Canary - CRI Accounting Pink - CRI Accounting Gold - Transporter

CONTROLLED RECOVERY INC.

89633

P.O. BOX 369 • HOBBS, NEW MEXICO 88241

(505) 393-1079

LEASE OPERATOR/COMPANY:

Tippecanoe Oil & Gas

LEASE NAME:

Lone Lake SWD

TRANSPORTER COMPANY:

Garby

TIME:

1200

AM/PM

DATE:

11/17/95

VEHICLE No.:

50

DRIVER No.:

TYPE OF MATERIAL

☐ PRODUCTION WATER☐ DRILLING FLUIDS☐ COMPLETION FLUIDS☐ TANK BOTTOMS☒ CONTAMINATED SOIL☒ CEMENT☐ OTHER MATERIAL:

DESCRIPTION:

Soil Concrete & debris

VOLUME OF MATERIAL ☐ BBLs

YARD 12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

20805

White - CRI
9-25251

Canary - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

P.O. Box 827
398-4960

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267
Roustabout Crews — Winch Trucks
NMSCC #14225

Nº 89632

Date 11-17-95

AUTHORIZATION FOR WORK

COMPANY Tipperary

YOUR NO. 507

LEASE Lane Lake Swd

MAIL INVOICE TO _____

WELL _____

DESCRIPTION OF WORK

Hauled pipe + materials to CRI.

Equipment Used	<u>Dump truck</u>	@ \$	<u>40.00</u>	Hrs. worked	<u>12 1/2</u>	Total	<u>500.00</u>
Equipment Used		@ \$	<u>15.00</u>	Hrs. worked	<u>24 1/2</u>	Total	<u>360.00</u>
Pusher	<u>Larry Solberg</u>	@ \$		Hrs. worked	<u>12 1/2</u>	Total	
Labor		@ \$		Hrs. worked		Total	
Roustabout		Hrs. worked				Sub Total	<u>860.00</u>
Roustabout		Hrs. worked				Sales Tax	<u>51.06</u>
Roustabout		Hrs. worked				TOTAL	<u>911.06</u>
Roustabout		Hrs. worked					

Approved by _____

SUPERIOR-102

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

89632

LEASE OPERATOR/COMPANY: Tipperary Oil & Gas

LEASE NAME: Lane Lake Swd

TRANSPORTER COMPANY: Gandy

TIME: 5.00 AM/PM

DATE: 11-17-95

VEHICLE No.:

DRIVER No.:

TYPE OF MATERIAL		
<input type="checkbox"/> PRODUCTION WATER	<input type="checkbox"/> DRILLING FLUIDS	<input type="checkbox"/> COMPLETION FLUIDS
<input type="checkbox"/> TANK BOTTOMS	<input checked="" type="checkbox"/> CONTAMINATED SOIL	<input type="checkbox"/> T.C. 117 No. _____
<input type="checkbox"/> OTHER MATERIAL		
DESCRIPTION:		

VOLUME OF MATERIAL: ☐ BBLs ☒ YARD 12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Larry Solberg
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

Nº 20724

White - CRI

Canary - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

P.O. Box 827
398-4960

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews — Winch Trucks

NMSCC #14225

Nº 87853

Date 11-11-95

AUTHORIZATION FOR WORK

Lane Lake
SWD YOUR NO. 506

COMPANY Tipperary

LEASE BURROW PIPE LINE

MAIL INVOICE TO _____ WELL _____

DESCRIPTION OF WORK

*Hauled 1 load of JUNK pipe to
Gandy Plant, from Location.*

Equipment Used	<u>DUMP TRUCK #506</u>	@ \$ <u>40.00</u>	Hrs. worked	<u>4 1/2</u>	Total	<u>180.00</u>
Equipment Used	_____	@ \$ _____	Hrs. worked	_____	Total	_____
Pusher	<u>Steven Jammy</u>	@ \$ _____	Hrs. worked	<u>4 1/2</u>	Total	_____
Labor	_____	@ \$ _____	Hrs. worked	_____	Total	_____
Roustabout	_____	Hrs. worked	_____	Sub Total	<u>180.00</u>	
Roustabout	_____	Hrs. worked	_____	Sales Tax	<u>10.69</u>	
Roustabout	_____	Hrs. worked	_____	TOTAL	<u>190.69</u>	
Roustabout	_____	Hrs. worked	_____			

Approved by *[Signature]*

P.O. Box 827
393-4960

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews — Winch Trucks

NMSCC #14225

Nº 89591

Date 11-11-95

AUTHORIZATION FOR WORK

Lane Lab YOUR NO. 52

COMPANY TIPPERARY

LEASE BUCK 340

MAIL INVOICE TO

WELL

DESCRIPTION OF WORK

TAKE OUT NET & POSTS and hauler
to trash dump

<u>Trailer</u>	<u>11.50</u>	<u>8</u>	<u>92.00</u>
Equipment Used <u>TRUCK TOOLS</u>	@ \$ <u>18.75</u>	Hrs. worked <u>8</u>	Total <u>151.60</u>
Equipment Used <u>Disposal Fee</u>	@ \$	Hrs. worked	Total <u>100.00</u>
Pusher <u>Jose Mendez</u>	@ \$ <u>16.15</u>	Hrs. worked <u>8</u>	Total <u>129.20</u>
Labor	@ \$ <u>14.05</u>	Hrs. worked <u>24</u>	Total <u>337.20</u>
Roustabout <u>Jose Mendez</u>	Hrs. worked <u>8</u>	Sub Total	<u>810.00</u>
Roustabout <u>Tomas Sanchez</u>	Hrs. worked <u>8</u>	Sales Tax	<u>48.09</u>
Roustabout <u>Fulgencio Olivas</u>	Hrs. worked <u>8</u>	TOTAL	<u>858.09</u>
Roustabout	Hrs. worked		

Approved by

[Signature]

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY: Tipperary Oil & Gas
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gandy TIME: 430 AM/PM
DATE: 11-27-95 VEHICLE No.: 504 DRIVER No.: 8

TYPE OF MATERIAL
☐ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☐ TANK BOTTOMS ☒ CONTAMINATED SOIL ☒ OTHER MATERIAL: SOIL & Debris
DESCRIPTION: 8

VOLUME OF MATERIAL ☐ BBLs 12 YARD 12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - CRI 8-25251 Canary - CRI Accounting Pink - CRI Accounting Gold - Transporter

P.O. Box 827
398-4960

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews — Winch Trucks

NMSCC #14225

No 89796

Date 11-27-95

AUTHORIZATION FOR WORK

YOUR NO. #504

COMPANY TIPPERARY Oil & Gas LEASE Lane Lake SWD

MAIL INVOICE TO _____ WELL _____

DESCRIPTION OF WORK Hand Cement disposal pipe, pitnetting and SWD Debris and soils.


8yds.

Equipment Used	<u>Bump Truck</u>	@ \$	<u>40.00</u>	Hrs. worked	<u>5</u>	Total	<u>200.00</u>
Equipment Used	<u>Disposal</u>	@ \$	<u>15.00</u>	Hrs. worked	<u>8yds</u>	Total	<u>120.00</u>
Pusher	<u>Martin NUNEZ</u>	@ \$		Hrs. worked	<u>5</u>	Total	
Labor		@ \$		Hrs. worked		Total	
Roustabout		Hrs. worked		Sub Total		<u>320.00</u>	
Roustabout		Hrs. worked		Sales Tax		<u>19.00</u>	
Roustabout		Hrs. worked		TOTAL		<u>339.00</u>	
Roustabout		Hrs. worked					

22671
CONTROLLED RECOVERY INC.
 P.O. BOX 369 • HOBBS, NEW MEXICO 88241
 (505) 393-1079

LEASE OPERATOR/COMPANY: Burro Pipeline
 LEASE NAME: Lone Lake SWD
 TRANSPORTER COMPANY: I & W TIME: 410 445 AM/PM
 DATE: 11-7-95 VEHICLE No.: 609 DRIVER No.:
 TYPE OF MATERIAL
☒ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☐ TANK BOTTOMS ☐ CONTAMINATED SOIL ☐ C-117 No.
 OTHER MATERIAL: Solid Solids
 DESCRIPTION: To Hite After Hours
 VOLUME OF MATERIAL: ☒ BBLs 120 ☐ YARD
 THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.
 DRIVER: [Signature] (SIGNATURE)
 FACILITY REPRESENTATIVE: [Signature] (SIGNATURE)
20709
 White - CRI 8-25251 Canary - CRI Accounting Pink - CRI Accounting Gold - Transporter

Loco Hills, (505) 677-2111
 Day or Nite
 Delivery Receipt


 Inc.

P.O. Box 98
 Loco Hills, N.M. - 88255
 No. 33003

Date 11-7-95 Truck No. 609 Capacity 140
 Shipped From Burro Pipeline Lease Lone Lake SWD
 Shipped To CRI Permit H18335 Well No. _____

DESCRIPTION	BARRELS	RATE	CHARGE	TAX	TOTAL
Disposal fluid	120	2.50	300.00		
1/2 TRK	8.5000	61.00	518.50		
Jet fuel		40.00	40.00		
			858.50	52.58	911.08

Remarks: pull load out of pit - consist of dirt, iron, T/S
haul to CRI put in pit

Top Gauge _____ Bottom Gauge _____
 Start 9:30 AM Finish 6:00 PM Total 8.5000 COMPANY Burro Pipeline
 Driver 338 E. Sanchez
 B-6990

P.O. Box 827
398-4960

GANDY CORPORATION

TATUM, NEW MEXICO 88267

Roustabout Crews — Winch Trucks

NMSCC #14225

1109 E. Broadway

Nº 89631

Date 11-17-95

AUTHORIZATION FOR WORK

COMPANY Tipperary

LEASE Lane Lake SWD YOUR NO. 508

MAIL INVOICE TO _____

WELL _____

DESCRIPTION OF WORK

Haul of 12 yds disposal pipe & netting
to CRI

Equipment Used	<u>Dump Truck</u>	@ \$	<u>40.00</u>	Hrs. worked	<u>7 1/2</u>	Total	<u>300.00</u>
Equipment Used		@ \$	<u>15.00</u>	Hrs. worked	<u>12 1/2</u>	Total	<u>180.00</u>
Pusher	<u>Vernon DeToor</u>	@ \$		Hrs. worked	<u>7 1/2</u>	Total	
Labor		@ \$		Hrs. worked		Total	
Roustabout		Hrs. worked				Sub Total	<u>480.00</u>
Roustabout		Hrs. worked				Sales Tax	<u>28.50</u>
Roustabout		Hrs. worked				TOTAL	<u>508.50</u>
Roustabout		Hrs. worked					

Approved by _____

SUPERIOR-102

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

89631

LEASE OPERATOR/COMPANY

Tipperary Oil & Gas

LEASE NAME:

Lane Lake SWD

TRANSPORTER COMPANY

Gandy

TIME

1200

AM/PM

DATE

11-17-95

VEHICLE No.

508

DRIVER No.

TYPE OF MATERIAL

☐ PRODUCTION WATER

☐ DRILLING FLUIDS

☐ COMPLETION FLUIDS

☐ TANK BOTTOMS

☐ CONTAMINATED SOIL

☒ OTHER MATERIAL

DESCRIPTION

Soil, Concrete & Debris

VOLUME OF MATERIAL ☐ BBLs

12

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location; and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER

(SIGNATURE)

FACILITY REPRESENTATIVE

(SIGNATURE)

20804

White - CRI

Canary - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

24-HOUR SERVICE, CALL
PHO. 398-4960
LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179686

Date 10-27-95

Truck No. 303

Company Jippany

Purchase Invoice
Order No. Number

From _____ Rig No. _____ Location _____

To Lease Lane Lake S N D Well No. _____ Location _____

Time Out		A.M. P.M.	Time In		A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water						
Crude Oil	Salt Water	Acid						
Bbls. Hauled <u>120</u>							<u>2.50</u>	<u>300.00</u>
Driver, Operator or Pusher <u>Rafael O. Orantia</u>						<u>10</u>	<u>56.00</u>	<u>560.00</u>
Helper								
Helper								
Helper								
Other Charges								
Description of Work: <u>Pulled D.S. from pit and</u>								
<u>took to CRI for disposal.</u>								
							Sub Total	<u>860.00</u>
							Sales Tax	<u>51.06</u>
Authorized by: <u>[Signature]</u>							TOTAL	<u>911.06</u>

SUPERIOR-101

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
 TANK CLEANING - OIL TREATING
 ROUSTABOUTING
 NMSCC #14225

1109 E. BROADWAY
 BOX 827
 TATUM, NEW MEXICO 88267

179829

Date 10-14-95 Truck No. 388
 Company TIPPERARY CORP Purchase Order No. _____ Invoice Number _____
 From _____ Rig No. _____ Location _____
 To Lease Lane Lake S.W. 2 PT Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water		260	.29	75.40
Crude Oil	Salt Water	Acid				
Bbls. Hauled <u>390</u>						
Driver, Operator or Pusher <u>Juan Sarabia</u>				7 1/2	52.00	390.00
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Haul 390 bbls water from pit, take 1 road to Sattelite #1, 2 to Jenkins S.W.D.</u>						
					Sub Total	465.40
					Sales Tax	27.63
Authorized by: <u>M. Gil</u>					TOTAL	493.03

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
 TANK CLEANING - OIL TREATING
 ROUSTABOUTING
 NMSCC #14225

1109 E. BROADWAY
 BOX 827
 TATUM, NEW MEXICO 88267

185166

Date 10-14-95 Truck No. 319
 Company TIPPERARY Purchase Order No. _____ Invoice Number _____
 From Lane Lake SWD Rig No. _____ Location _____
 To Lease H&M S.W.D. Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
9:00	A.M.	4:00	P.M.			
Diesel	Brine Water	Fresh Water			.25	60.00
Crude Oil	Salt Water	Acid				
Bbls. Hauled <u>240</u>						
Driver, Operator or Pusher <u>Bill Rhoads</u>				7	56.00	392.00
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Pulled out of pits & took to S.W.D.</u>						
					Sub Total	452.00
					Sales Tax	26.84
Authorized by: <u>M. Gil</u>					TOTAL	478.84

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

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BOX 827
TATUM, NEW MEXICO 88267

178748

Date 10-15-95 Truck No. 327
Company TIPERARY Purchase Order No. _____ Invoice Number _____
From LAME LAKE SWD Rig No. _____ Location 1
To Lease _____ Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel					.25	120.00
Brine Water						
Fresh Water						
Crude Oil						
Salt Water						
Acid						
Bbls. Hauled						
Driver, Operator or Pusher						
Helper						
Helper						
Helper						
Other Charges						
Description of Work:						
<u>DRAIN dirt pit dispose</u>						
<u>AS DIRECTED-</u>						
Sub Total						<u>708.00</u>
Sales Tax						<u>42.04</u>
TOTAL						<u>750.04</u>

Authorized by: M. J. [Signature]
SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179830

Date 10-15-95 Truck No. 302
Company Tipperary Corp Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lame Lakes SWD Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel					.25	30.00
Brine Water						
Fresh Water						
Crude Oil						
Salt Water						
Acid						
Bbls. Hauled						
Driver, Operator or Pusher						
Helper						
Helper						
Helper						
Other Charges						
Description of Work:						
<u>Haul 120 bbls Water</u>						
<u>From Pit, TO Hym SWD</u>						
Sub Total						<u>226.00</u>
Sales Tax						<u>13.42</u>
TOTAL						<u>239.42</u>

Authorized by: M. J. [Signature]

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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

178747

Date 10-14-95 Truck No. 327
Company TIPERARY Purchase Order No. _____ Invoice Number _____
From LANE LAK SWD Rig No. _____ Location 1
To Hand M. SWD Well No. _____ Location _____

Time Out <u>0530</u> <u>A.M.</u>	Time In <u>17:00</u> <u>P.M.</u>	TIME	RATE	AMOUNT
Diesel	Brine Water			
Crude Oil	Salt Water			
Fresh Water	Acid			
Bbls. Hauled <u>480</u>			<u>.25</u>	<u>120.00</u>
Driver, Operator or Pusher <u>Paul W Rindlisbach</u>		<u>9.5</u>	<u>56.00</u>	<u>532.00</u>
Helper				
Helper				
Helper				
Other Charges				
Description of Work: <u>DRAIN DIRT PIT DISPOSE</u> <u>AS DIRECTED</u>				
			Sub Total	<u>652.00</u>
			Sales Tax	<u>38.71</u>
Authorized by: <u>[Signature]</u>			TOTAL	<u>690.71</u>

SUPERIOR-101

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KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179683

Date 10-14-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lone Lake SWD Well No. _____ Location _____

Time Out _____ A.M.	Time In _____ A.M.	TIME	RATE	AMOUNT
_____ P.M.	_____ P.M.			
Diesel	Brine Water			
Crude Oil	(Salt Water)			
Fresh Water	Acid			
Bbls. Hauled <u>240</u>		<u>120</u>	<u>2.50</u>	<u>300.00</u>
Driver, Operator or Pusher <u>ROJELIO ORRANTIA</u>		<u>10</u>	<u>56.00</u>	<u>560.00</u>
Helper				
Helper				
Helper				
Other Charges				
Description of Work: <u>Pulled two loads from</u> <u>pit, took one load to Satellite #1</u> <u>and one load to Gandy plant.</u>				
			Sub Total	<u>860.00</u>
			Sales Tax	<u>57.06</u>
Authorized by: <u>[Signature]</u>			TOTAL	<u>911.06</u>

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179780

Date 10-12-95

Truck No. 302

Company Lipperay

Purchase Order No.

Invoice Number

From

Rig No.

Location

To Lease Lane Lake SWD

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbls. Hauled			
Driver, Operator or Pusher <u>Martin Hernandez</u>				<u>5</u>	<u>56.00</u>	<u>280.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Hauled 2 loads from pit to</u>						
<u>Satellite #1 SWP.</u>						
					Sub Total	<u>280.00</u>
					Sales Tax	<u>16.63</u>
Authorized by: <u>M. G.</u>					TOTAL	<u>296.63</u>

SUPERIOR-101

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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179827

Date 10-13-95

Truck No. 302

Company Lipperay Corp

Purchase Order No.

Invoice Number

From

Rig No.

Location

To Lease Lane Lake S-W D.

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbls. Hauled			
Driver, Operator or Pusher <u>Juan Sarabia</u>				<u>10 1/2</u>	<u>56.00</u>	<u>588.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Skimed and Hauled water</u>						
<u>From middle pit, 650 bbls</u>						
<u>5 loads to satellite S.W.D.</u>						
					Sub Total	<u>588.00</u>
					Sales Tax	<u>34.91</u>
Authorized by: <u>M. G.</u>					TOTAL	<u>622.91</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179770

Date 10-10-95 Truck No. 302
Company Teppery Corp Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane salt lake, Burvo Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water				
Crude Oil		Fresh Water				
		Salt Water				
		Acid				
Bbls. Hauled <u>390</u>						
Driver, Operator or Pusher <u>Juan Sarabia</u>				<u>6 1/2</u>	<u>56.00</u>	<u>364.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Pulled 390 bbls water</u>						
<u>off middle pit, take</u>						
<u>to satellite #1, S.W.D.</u>						
					Sub Total	<u>364.00</u>
					Sales Tax	<u>21.61</u>
Authorized by: <u>M. G. H.</u>					TOTAL	<u>385.61</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179682

Date 10-12-95 Truck No. 314
Company Teppery Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water				
Crude Oil		Fresh Water				
		Salt Water				
		Acid				
Bbls. Hauled <u>240</u>						
Driver, Operator or Pusher <u>Rojelio Orvantia</u>				<u>5</u>	<u>52.00</u>	<u>260.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Pulled 2 loads from pit</u>						
<u>and took to Satellite #1 disposal.</u>						
					Sub Total	<u>260.00</u>
					Sales Tax	<u>15.44</u>
Authorized by: <u>M. G. H.</u>					TOTAL	<u>275.44</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179765

Date 10-9-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From LANE LAKE SWD Rig No. _____ Location _____
To Lease Burro Pipeline Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid				
Bbls. Hauled <u>120</u>						
Driver, Operator or Pusher <u>Juan Sarabia</u>				<u>3 1/2</u>	<u>56.00</u>	<u>196.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Tied into big line</u>						
<u>TO SUCK OUT THE FLUID</u>						
<u>and finish road off pit</u>						
<u>Get 120 bbls fluid to plant.</u>						
Authorized by: <u>M. J. [Signature]</u>						
SUPERIOR-101						
Sub Total						<u>196.00</u>
Sales Tax						<u>11.64</u>
TOTAL						<u>207.64</u>

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
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TATUM, NEW MEXICO 88267

179803

Date 10-9-95 Truck No. 309
Company Tipperary Purchase Order No. _____ Invoice Number _____
From Lane Lake SWD Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	<u>Salt Water</u>	Acid				
Bbls. Hauled <u>75</u>						
Driver, Operator or Pusher <u>Salvador Osorio</u>				<u>3 1/2</u>	<u>52.00</u>	<u>182.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Haul 75 bbls off water</u>						
<u>to H.M. SWD</u>						
Sub Total						<u>200.75</u>
Sales Tax						<u>11.92</u>
TOTAL						<u>212.67</u>
Authorized by: <u>M. J. [Signature]</u>						
SUPERIOR-101						

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
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TATUM, NEW MEXICO 88267

179783

Date 10-18-95

Truck No. 302

Company Lippert

Purchase
Order No.

Invoice
Number

From

Rig No.

Location

To Lease Lone Lake SWD

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbls. Hauled			
Driver, Operator or Pusher	<u>Martin Hernandez</u>			<u>3</u>	<u>56.00</u>	<u>168.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work:	<u>Pulled fluid from pit and</u> <u>hauled to disposal</u>					
				Sub Total		<u>168.00</u>
				Sales Tax		<u>9.98</u>
Authorized by:	<u>Elbert</u>			TOTAL		<u>177.98</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179832

Date 10-16-95 Truck No. 302
Company Tipperary Corp Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water				
Crude Oil		Fresh Water				
		Salt Water				
		Acid				
Bbls. Hauled <u>120</u>						
Driver, Operator or Pusher <u>Juan Sarabia</u>				<u>3 1/2</u>	<u>56.00</u>	<u>196.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Hauled 120 bbls</u>						
<u>B.S water off middle</u>						
<u>pit, To Satellite #5</u>						
Authorized by: <u>Edith Wern</u>						
				Sub Total		<u>196.00</u>
				Sales Tax		<u>11.64</u>
				TOTAL		<u>207.64</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

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TATUM, NEW MEXICO 88267

185168

Date 10-16-95 Truck No. 319
Company Tipperary Purchase Order No. _____ Invoice Number _____
From Lane Lake SWD Rig No. _____ Location _____
To Lease H&M S.W.D. Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water				
Crude Oil		Fresh Water				
		Salt Water				
		Acid				
Bbls. Hauled <u>80</u>						
Driver, Operator or Pusher <u>Bill Rhodes</u>				<u>5</u>	<u>52.00</u>	<u>260.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Sucked up B/S out of pit &</u>						
<u>took to S.W.D.</u>						
Authorized by: <u>Edith Wern</u>						
				Sub Total		<u>280.00</u>
				Sales Tax		<u>16.63</u>
				TOTAL		<u>296.63</u>

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179762

Date 10-6-95 Truck No. 302
Company TIPPERARY Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease DANE S.W.D. Burro P.L. Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid				
Bbls. Hauled <u>120</u>					<u>2.50</u>	<u>300.00</u>
Driver, Operator or Pusher <u>Juan Sarabia</u>				<u>10</u>	<u>56.00</u>	<u>560.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Skimed out B.S from pit, working until get full load 120 bbls, Taked TO C.R.T.</u>						
Authorized by: <u>M. Jim.</u>						
					Sub Total	<u>860.00</u>
					Sales Tax	<u>51.06</u>
					TOTAL	<u>911.06</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
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TATUM, NEW MEXICO 88267

178715

Date 10-5-95 Truck No. 319
Company TIPPERARY Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease H&M S.W.D. Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid				
Bbls. Hauled <u>120</u>					<u>.25</u>	<u>30.00</u>
Driver, Operator or Pusher <u>Bill Rhoda</u>				<u>4</u>	<u>56.00</u>	<u>224.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>picked up A load of water out of pit & took to H&M S.W.D.</u>						
Authorized by: <u>M. Jim.</u>						
					Sub Total	<u>254.00</u>
					Sales Tax	<u>15.08</u>
					TOTAL	<u>269.08</u>

SUPERIOR-101

1109 E. BROADWAY
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TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

179976

Date 11-7-95 Truck No. 302
Company Lippert Purchase Invoice
Order No. _____ Number _____
From _____ Rig No. _____ Location _____
To Lease Lone Lake SWD Well No. _____ Location _____

[illegible]

SUPERIOR-101

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GANDY CORPORATION

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

179977

Date 11-8-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out		A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water					
Crude Oil	Salt Water	Acid	Bbls. Hauled	120		2.50	300.00
Driver, Operator or Pusher				RODELIO OLVANTIA	7 1/2	56.00	420.00
Helper				SANTOS GONZALES	7 1/2	14.05	105.38
Helper							
Helper							
Other Charges							
Description of Work:				Pulled fluid from pit + hauled to C.D.			
						Sub Total	825.38
						Sales Tax	49.01
Authorized by:						TOTAL	874.39

SUPERIOR 101

24-HOUR SERVICE. CALL
PHO. 398-4960
LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

175995

Date 11-4-95 Truck No. 327
Company Tipperrary Purchase Order No. _____ Invoice Number _____
From LANE LAKE SWD Rig No. _____ Location _____
To HAND M SWD Well No. _____ Location _____

Time Out		Time In		TIME	RATE	AMOUNT
<u>11:30</u> <u>A.M.</u>		<u>1700</u> <u>P.M.</u>				
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled <u>120</u>		<u>.25</u>	<u>30.00</u>
Driver, Operator or Pusher	<u>PAUL W Rindlisbach</u>			<u>5.5 hr</u>	<u>56.00</u>	<u>308.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work:	<u>LOAD AND DISPOSE OF FLUID</u> <u>AS DIRECTED</u>					
					Sub Total	<u>338.00</u>
					Sales Tax	<u>20.07</u>
Authorized by: <u>[Signature]</u>					TOTAL	<u>358.07</u>

SUPERIOR-101

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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179700

Date 11-6-95 Truck No. 302
Company Tipperrary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out		Time In		TIME	RATE	AMOUNT
<u></u> <u>A.M.</u>		<u></u> <u>A.M.</u>				
<u></u> <u>P.M.</u>		<u></u> <u>P.M.</u>				
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled <u>110</u>		<u>2.50</u>	<u>275.00</u>
Driver, Operator or Pusher	<u>ROJELIO OVANTIA</u>			<u>8</u>	<u>56.00</u>	<u>448.00</u>
Helper	<u>SANTOS GONZALES</u>			<u>8</u>	<u>14.05</u>	<u>112.40</u>
Helper						
Helper						
Other Charges						
Description of Work:	<u>PULLED 110 BBLs BSW FROM PIT</u> <u>AND HAULED TO CRI DISPOSAL.</u>					
					Sub Total	<u>835.40</u>
					Sales Tax	<u>49.60</u>
Authorized by: <u>[Signature]</u>					TOTAL	<u>885.00</u>

24-HOUR SERVICE, CALL
PHO. 398-4960
LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179689

Date 10-31-95

Truck No. 302

Company Tipperary

Purchase
Order No.

Invoice
Number

From

Rig No.

Location

To Lease Lone Lake SWD

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water		110	2.50	275.00
Crude Oil	Salt Water	Acid	Bbbs. Hauled	120	25	30.00
Driver, Operator or Pusher <u>ROJERIO ORRANTIA</u>				9 1/2	56.00	532.00
Helper						
Helper <u>SANTOS GONSALES</u>				9 1/2	14.05	133.48
Helper						
Other Charges						
Description of Work: <u>Took BSW to CHI disposal and unloaded. Picked up 120 bbls water from pit and hauled to ATM disposal.</u>						
					Sub Total	970.48
					Sales Tax	57.62
Authorized by: <u>[Signature]</u>					TOTAL	1028.10

SUPERIOR-101

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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179437

Date 11-2-95

Truck No. 3-26

Company TIPPERARY

Purchase
Order No.

Invoice
Number

From LAKE LAKE SWD

Rig No.

Location

To Lease

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled			
Driver, Operator or Pusher <u>FAUSTO R. GAYTAN</u>				13	56.00	728.00
Helper						
Helper <u>JUAN SANCHES</u>				13	14.05	182.65
Helper						
Other Charges						
Description of Work: <u>Picked BSW from pit + took to CHI disposal.</u>						
					Sub Total	1210.65
					Sales Tax	71.88
Authorized by: <u>[Signature]</u>					TOTAL	1282.53

SUPERIOR-101

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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179436

Date 11-1-95 Truck No. 326
Company TIPPERARY Purchase Order No. _____ Invoice Number _____
From LANE LAKE SWD Rig No. _____ Location _____
To Lease _____ Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbls. Hauled			
Driver, Operator or Pusher	Fausto R. Gaytan			7	56.00	392.00
Helper						
Helper						
Helper						
Other Charges						
Description of Work:	Pulled fluid from pit.					
					Sub Total	392.00
					Sales Tax	23.28
Authorized by:	Ellen W. [Signature]				TOTAL	415.28

SUPERIOR-101

24-HOUR SERVICE. CALL
PHO. 398-4960
LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179691

Date 11-1-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lone Lake SW 8 Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbls. Hauled			
Driver, Operator or Pusher <u>ROSELIO ORRANTIA</u>				<u>11</u>	<u>56.00</u>	<u>616.00</u>
Helper						
Helper <u>SANTOS GONZALES</u>				<u>11</u>	<u>14.05</u>	<u>154.55</u>
Helper						
Other Charges						
Description of Work: <u>Pulled fluid from pit.</u>						
					Sub Total	<u>770.55</u>
					Sales Tax	<u>45.75</u>
Authorized by: <u>[Signature]</u>					TOTAL	<u>\$16.30</u>

24-HOUR SERVICE, CALL
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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179439

Date 11-4-95 Truck No. 326
Company TIPPERARY Purchase Order No. _____ Invoice Number _____
From LANE LAKE SWD Rig No. _____ Location _____
To Lease _____ Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT		
Diesel	Brine Water	Fresh Water						
Crude Oil	Salt Water	Acid	Bbbs. Hauled					
			240		2.50	600.00		
Driver, Operator or Pusher	Fausto R. Gaytan			13	56.00	728.00		
Helper								
Helper	Fidencio OLIVAS			13	14.05	182.65		
Helper								
Other Charges								
Description of Work:	Pulled Two loads BSW from pit and hauled to CFI disposal.							
Authorized by:	E. R. H. [Signature]				Sub Total	1510.65		
					Sales Tax	89.69		
					TOTAL	1600.34		

Authorized by: [Signature]
SUPERIOR-101

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PHO. 398-4960
LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179694

Date 11-4-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled			
			100		2.50	250.00
Driver, Operator or Pusher	Rodolfo Orrantia			4 1/2	56.00	252.00
Helper	SANTOS GONZALES			4 1/2	14.05	63.23
Helper						
Helper						
Other Charges						
Description of Work:	Pulled 100 bbls from pit and took to CRF disposal.					
					Sub Total	565.23
					Sales Tax	33.56
Authorized by:	Ellet We				TOTAL	598.79

Authorized by: [Signature]

1109 E. BROADWAY
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TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

179692

Date 11-2-95

Truck No. 302

Company Tipperary

Purchase	Invoice
Order No. _____	Number _____

From _____ Rig No. _____ Location _____

To Lease Lane Lake SWD Well No. _____ Location _____

Time Out		A.M. P.M.	Time In		A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water						
Crude Oil	Salt Water	Acid	Bbls. Hauled	40			2.50	275.00

Driver, Operator or Pusher	English Operator	.5	56.00	280.00
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Helber			
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Heimer			
--------	--	--	--

Helner			
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Other Charges			
---------------	--	--	--

Owner Charges				
1				

Description of Work:	Hauled 110 Hls BSW to CEI			
----------------------	---------------------------	--	--	--

<i>disposal.</i>	
	Sub Total 5550

	Sub Total	55.00
	Sales Tax	3.95

	Sales Tax	5.51%
<i>Elmer</i>		5879.5

Authorized by: <i>[Signature]</i>	TOTAL <i>201.2</i>
SUPERIOR-101	

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GANDY CORPORATION

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KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

179438

Date 11-3-95

Truck No. 326

Company TIDDERARY

Purchase Invoice
Order No. _____ Number _____

From CAVE CAKE SWD Big No. _____ Location _____

From	To	Aug 190.	Location
St. Louis	W. H. N.		Location

A M		A M	TIME	RATE	AMOUNT
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Time Out _____ A.M. _____ P.M.			Time In _____ A.M. _____ P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water	Bbls. Hauled <i>240</i>			
Crude Oil	Salt Water	Acid			<i>2.50</i>	<i>600.00</i>

Driver, Operator or Pusher	FAUST P GAYLAW	14	56.00	784.00
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Driver, Operator of Truck	120310	10-01-1971	17	SS-100	10/1/71
Helper					

Heiber				
Heiber	SANTOS N GONZALES	14	14.5	196.7

Heiber	22.12.1913	17.1.1914	17.1.1914
Heiber			

Other Charges			
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Other Charges			
1			

Description of Work: <i>Spilled two loads BSW from st and loaded to CPT dump</i>		
--	--	--

Sub Total	1580.7
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	Sub Total	7,000.00
	Sales Tax	93.80

	Sales Tax	7.00
Author's fee	TOTAL	1674.50

Authorized by: Eric [Signature] TOTAL 16112

24-HOUR SERVICE. CALL
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LOVINGTON 396-4948

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179688

Date 10-30-95

Truck No. 302

Company Tippary

Purchase
Order No.

Invoice
Number

From

Rig No.

Location

To Lease Lone Lake SWD

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled			
Driver, Operator or Pusher <u>Rojelio Durrant, A</u>				<u>9 1/2</u>	<u>56.00</u>	<u>532.00</u>
Helper						
Helper <u>SANTOS GONZALES</u>				<u>9 1/2</u>	<u>14.05</u>	<u>133.48</u>
Helper						
Other Charges						
Description of Work: <u>Pulled fluid from pit.</u>						
					Sub Total	<u>665.48</u>
					Sales Tax	<u>39.51</u>
Authorized by: <u>E. L. Lerner</u>					TOTAL	<u>704.99</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179693

Date 11-3-95

Truck No. 302

Company Tippary

Purchase
Order No.

Invoice
Number

From

Rig No.

Location

To Lease Lone Lake SWD

Well No.

Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled			
Driver, Operator or Pusher <u>Rojelio Durrant, A</u>				<u>10 1/2</u>	<u>56.00</u>	<u>588.00</u>
Helper <u>JUAN SANCHEZ</u>				<u>10 1/2</u>	<u>14.05</u>	<u>147.53</u>
Helper JUAN						
Helper						
Other Charges						
Description of Work: <u>Pull load of BS.</u> <u>and solids out of pit # 2</u>						
					Sub Total	<u>985.53</u>
					Sales Tax	<u>58.52</u>
Authorized by: <u>E. L. Lerner</u>					TOTAL	<u>1044.05</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179017

Date 10-24-95 Truck No. 311-328
Company Tipperary operating Co. Purchase Order No. Invoice Number
From Lane Lake SWB Rig No. Location
To Lease H.M. S.W.D. Well No. Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water	Fresh Water		.25	10.00
Crude Oil		<u>Salt Water</u>	Acid			
Bbls. Hauled <u>40</u>						
Driver, Operator or Pusher <u>Steven Bass</u>				<u>5 hrs</u>	<u>52.00</u>	<u>260.00</u>
Helper						
Helper						
Helper						
Other Charges						
Description of Work: <u>Drive to location. Loaded 40 bbls out</u>						
<u>pit. Standby, and hauled to disposal. Drive</u>						
<u>back to yard.</u>						
					Sub Total	<u>270.00</u>
					Sales Tax	<u>16.03</u>
Authorized by: <u>OK RPH</u>					TOTAL	<u>286.03</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

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TATUM, NEW MEXICO 88267

179881

Date 10-24-95 Truck No. 302
Company Tipperary Purchase Order No. Invoice Number
From Rig No. Location
To Lease Lane Lake SWD Well No. Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel		Brine Water	Fresh Water		.25	25.00
Crude Oil		Salt Water	Acid			
Bbls. Hauled <u>100 bbls</u>						
Driver, Operator or Pusher <u>W.D. Collins</u>				<u>4 hrs</u>	<u>56.00</u>	<u>224.00</u>
Helper						
Helper						
Helper						
Other Charges <u>inker disposal 100 bbls fluid</u>						
Description of Work: <u>Hauled 100 bbls fluid from</u>						
<u>location to inkers disposal</u>						
					Sub Total	<u>249.00</u>
					Sales Tax	<u>14.78</u>
Authorized by: <u>Elbert Turner</u>					TOTAL	<u>263.78</u>

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GANDY CORPORATION

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TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

175978

Date 10-26-95 Truck No. 327
Company Tipperary Purchase Order No. _____ Invoice Number _____
From LANE LAKE SWD Rig No. _____ Location _____
To Lease C.R.I. Well No. _____ Location _____

TIME	RATE	AMOUNT
Time Out <u>0600</u> <u>A.M.</u> P.M.	Time In <u>18:30</u> <u>A.M.</u> P.M.	
Diesel	Brine Water	Fresh Water
Crude Oil	Salt Water	Acid
Bbls. Hauled <u>130</u>		
Driver, Operator or Pusher <u>PAUL W Rindlisbach</u>	<u>12.5</u>	<u>56.00</u>
Helper		
Helper		
Helper		
Other Charges		
Description of Work: <u>LOAD B.S dispose AS DIRECTED.</u>		
	Sub Total	<u>1,025.00</u>
	Sales Tax	<u>60.86</u>
Authorized by: <u>[Signature]</u>	TOTAL	<u>1,085.86</u>

SUPERIOR-101

24-HOUR SERVICE. CALL
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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

179685

Date 10-26-95 Truck No. 302
Company Tipperary Purchase Order No. _____ Invoice Number _____
From _____ Rig No. _____ Location _____
To Lease Lane Lake SWD Well No. _____ Location _____

TIME	RATE	AMOUNT
Time Out _____ A.M. P.M.	Time In _____ A.M. P.M.	
Diesel	Brine Water	Fresh Water
Crude Oil	Salt Water	Acid
Bbls. Hauled _____		
Driver, Operator or Pusher <u>ROJELIO ORRANTIA</u>	<u>10.2</u>	<u>56.00</u>
Helper		
Helper		
Helper		
Other Charges		
Description of Work: <u>Picking up fluid from pit.</u>		
	Sub Total	<u>588.00</u>
	Sales Tax	<u>34.91</u>
Authorized by: <u>[Signature]</u>	TOTAL	<u>622.91</u>

SUPERIOR-101

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GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING
NMSCC #14225

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

183452

Date 11-7-95 Truck No. I & W Trws
Company Tipperary Purchase Order No. 78 Invoice Number 78
From Land Lake SWD Rig No. Location
To Lease Land Lake SWD Well No. Location

Time Out	A.M. P.M.	Time In	A.M. P.M.	TIME	RATE	AMOUNT
Diesel	Brine Water	Fresh Water				
Crude Oil	Salt Water	Acid	Bbbs. Hauled <u>120</u>		<u>2.50</u>	<u>300.00</u>
Driver, Operator or Pusher <u>E Sanchez from I & W</u>				<u>8.5</u>	<u>61.00</u>	<u>518.50</u>
Helper						
Helper						
Helper						
Other Charges <u>Set out truck</u>						<u>40.00</u>
Description of Work: <u>Haul 120 bbls. of b.s.w</u>						
<u>out of pit and dispose at</u>						
<u>CRI</u>						
Authorized by: <u></u>					Sub Total	<u>858.50</u>
					Sales Tax	<u>50.97</u>
					TOTAL	<u>909.47</u>

SUPERIOR-101

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-4-95

OPERATOR Tupperary Oil & Gas

LEASE Lane Lake S&D

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 175995

BBL. 120

TRUCK 327

DRIVER Paul Rindlich

DESTINATION H&M

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-4-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179439 BBL. 120

TRUCK 326

DRIVER Fausto Gayton

DESTINATION CRI

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-4-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179439 BBL. 120

TRUCK 326

DRIVER Fausto Gayton

DESTINATION CRI

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-5-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179440

BBL. 120

TRUCK 326

DRIVER Fausto Gayton

DESTINATION CRI

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-3-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
------	---------	----------

H₂O TOP

TIME	OIL TOP	SEAL ON
------	---------	---------

H₂O TOP

TICKET # 179438 BBL. 120

TRUCK 326

DRIVER Fausto Gayton

DESTINATION CRI SWD

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-3-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
------	---------	----------

H₂O TOP

TIME	OIL TOP	SEAL ON
------	---------	---------

H₂O TOP

TICKET # 179438 BBL. 120

TRUCK 326

DRIVER Fausto Gayton

DESTINATION CRI SWD

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-3-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME

OIL TOP

SEAL OFF

TIME

H₂O TOP

TIME

OIL TOP

SEAL ON

TIME

H₂O TOP

TICKET # 179693

BBL. 100

TRUCK 302

DRIVER Rogelio Quintero

DESTINATION CRI

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-24-95

OPERATOR Tipperary SWD Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179881 BBL. 100

TRUCK 302

DRIVER Max Collins

DESTINATION Jenkins

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-26-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 175978 BBL. 130

TRUCK 327

DRIVER Paul Rendlisbach

DESTINATION CRJ

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-2-95

OPERATOR Tipperary

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179437

BBL. 120

TRUCK 326

DRIVER Fausto Baytan

DESTINATION CRJ SWD

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-16-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 185168 BBL. 80

TRUCK 319

DRIVER Bill Rhodes

DESTINATION H & M

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 185166 BBL. 120

TRUCK 319

DRIVER Bill Rhodes

DESTINATION H & M SWD

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 185166 BBL. 120

TRUCK 319

DRIVER Bill Rhodes

DESTINATION H & M

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179829 BBL. 120

TRUCK 328

DRIVER Juan Sanchez

DESTINATION Jenkins

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179683 BBL. 120

TRUCK 302

DRIVER Royellio Armenta

DESTINATION Gandy Plant

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-15-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 178748 BBL. 120

TRUCK 327

DRIVER Paul Smallwood

DESTINATION HHM SWD

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179829 BBL. 120

TRUCK 328

DRIVER Juan Sarabia

DESTINATION Jenkins

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-09-95

OPERATOR Tipperary

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 179765 BBL. 120

TRUCK 302

DRIVER Juan Sarabia

DESTINATION Gandy Plant

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 10-14-95

OPERATOR Tipperary Oil & Gas

LEASE Lane Lake SWD

TIME	OIL TOP	SEAL OFF
	H ₂ O TOP	
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	

TICKET # 178747

BBL. 120

TRUCK 178747

DRIVER Paul Pindall

DESTINATION H & M SWD

Truck
Ticket



CONTROLLED RECOVERY, INC.

A Subsidiary of Trans American Waste Industries, Inc.

No. 001138

Hobbs, NM

10 31 19 95

Transporter

Gandy

Truck No.

302

Permit or

H 18317

Tender No.

Issued to

Pipe Line or

Lease Station

Lane Lake SWD 19689

Operator

Guirio Pipeline

Top Gauge Ft

In

Back Gauge Ft

In

Barrels

Delivered

110

Barrels

Water

Water Gauge Ft

In

100% BSTW

Gross Bbls Received

110

For Transporter

CONTROLLED RECOVERY, INC.

Truck

Driver

Rodolfo Orrantia

Checked

By

[Signature]

10-95-500-3PT-#1101

Truck
Ticket



CONTROLLED RECOVERY, INC.

A Subsidiary of Trans American Waste Industries, Inc.

No. 001151

Hobbs, NM

11 2 19 95

Transporter

Gandy

Truck No.

302

Permit or

H 18335

Tender No.

Issued to

Pipe Line or

Lease Station

Lane Lake SWD Tipperary 19692

Operator

Guirio Pipeline

Top Gauge Ft

In

Back Gauge Ft

In

Barrels

Delivered

110

Barrels

Water

Water Gauge Ft

In

100% BSTW

Gross Bbls Received

0

For Transporter

CONTROLLED RECOVERY, INC.

Truck

Driver

Rodolfo Orrantia

Checked

By

[Signature]

10-95-500-3PT-#1101

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-8882
Mobile 389-8832

No 2836

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED.

Date 10-31-95 Time _____ ☐ am ☐ pm

Trucking Co. GANDY CORP

WHP# _____ Unit # 302

No. of Barrels Unloaded 120

Company Hauled For BURRO PIPELINE

Lease Name _____

Lease # 179689

Driver ROSELIO ORRANTIA

Truck
Ticket



CONTROLLED RECOVERY, INC.

A Subsidiary of TransAmerican Waste Industries, Inc.

No 001131

Hobbs, NM 10-27, 19 95

Transporter Gandy Truck No. 302

Permit or Tender No. H 18717

Pipe Line or Lease Station Love Lake SWD Issued to 179686

Operator Burro Pipeline

Top Gauge Ft _____ In _____ Back Gauge Ft _____ In _____

Water Gauge Ft _____ In _____

Barrels Delivered 120

Barrels Water _____

Gross Bbls Received 120

For Transporter

Truck Driver ROSELIO ORRANTIA

Checked By [Signature]

CONTROLLED RECOVERY, INC.

10-95-500-3PT-#1101

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No. 2755

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-15-95 Time _____ ☐ am ☐ pm

Trucking Co. Gandy

WHP# _____ Unit # 327
360

No. of Barrels Unloaded 120

Company Hauled For TIPERARY 178748

Lease Name LANE LAKE SWD

Lease # 1

Driver Paul W Ruelck

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No. 2736

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-14-95 Time _____ ☐ am ☐ pm

Trucking Co. Gandy

WHP# _____ Unit # 327

No. of Barrels Unloaded 120

Company Hauled For TIPERARY

Lease Name LANE LAKE SWD

Lease # 1

Driver Paul W Ruelck

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No. 2791

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-24-95 Time _____ ☐ am ☐ pm

Trucking Co. Gandy Corp

WHP# 1258 Unit # 311-322

No. of Barrels Unloaded 110

Company Hauled For Tipperary 17907

Lease Name _____

Lease # _____

Driver Steve

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No. 2757

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-25-95 Time _____ ☐ am ☐ pm

Trucking Co. Gandy Corp

WHP# _____ Unit # 322

No. of Barrels Unloaded _____

Company Hauled For Tipperary Corp

Lease Name LANE LAKE SWD

Lease # _____

Driver John

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No 2743

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-14-95 Time _____ ☐ am ☐ pm

Trucking Co Gandy

WHP# _____ Unit # 327

No. of Barrels Unloaded 120

Company Hauled For TIPPERARY

Lease Name LANE LAKE SWD

Lease # 1

Driver Paul W. Rudolph

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No 2695

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-9-95 Time _____ ☐ am ☐ pm

Trucking Co Gandy Corp

WHP# 1759 Unit # 314

No. of Barrels Unloaded 75

Company Hauled For Tipperary 179803

Lease Name _____

Lease # Burns Pipe Line

Driver Salvador Osethede

H & M DISPOSAL

Box 1544 • Lovington, NM 88260
(505) 396-6862
Mobile 369-6832

No 2741

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY
MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

Date 10-14-95 Time _____ ☐ am ☐ pm

Trucking Co GANDY

WHP# _____ Unit # 327

No. of Barrels Unloaded 120

Company Hauled For TIPPERARY

Lease Name LANE LAKE SWD

Lease # 1

Driver Paul W. Rudolph

H&M Disposal

BOX 1544 - 505/396-6862
LOVINGTON, NM 88260

No 9698

PLEASE FILL IN COMPLETELY AND TAKE
PINK COPY. MAKE A SEPARATE TICKET
FOR EACH LOAD HAULED.

DATE 10-05-95 TIME _____ ☐ AM ☐ PM

TRUCKING CO Gandy Corp

WHP # _____ UNIT # 302

NO. OF BARRELS UNLOADED 120

COMPANY HAULED FOR Tipperary

LEASE NAME Lane Lake SWD

LEASE # _____

DRIVER Bill Rhodes

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY: Burns Pipeline
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gandy TIME: 12:30 AM/PM
DATE: 11-5-95 VEHICLE No.: DRIVER No.:

TYPE OF MATERIAL
☐ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☒ TANK BOTTOMS ☐ CONTAMINATED SOIL ☐ C-117 No.
☐ OTHER MATERIAL
DESCRIPTION: CALLOUT + 100% Iron Sulfides

VOLUME OF MATERIAL: ☒ BBLs 110 ☐ YARD

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: R. J. [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
NO. 20469 (SIGNATURE)

White - CRI B-25251 Canary - CRI Accounting Pink - CRI Accounting Gold - Transporter

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY: Burns Pipeline
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gandy TIME: 7:35 AM/PM
DATE: 11-4-95 VEHICLE No.: DRIVER No.:

TYPE OF MATERIAL
☒ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☒ TANK BOTTOMS ☐ CONTAMINATED SOIL ☐ C-117 No.
☐ OTHER MATERIAL
DESCRIPTION: CALLOUT + 100% Iron Sulfides

VOLUME OF MATERIAL: ☒ BBLs 65 ☐ YARD

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
NO. 20652 (SIGNATURE)

White - CRI B-25251 Canary - CRI Accounting Pink - CRI Accounting Gold - Transporter

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY: Burns Pipeline
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gandy TIME: 2:25 AM/PM
DATE: 11-8-95 VEHICLE No.: 302 DRIVER No.:

TYPE OF MATERIAL
☐ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☐ TANK BOTTOMS ☐ CONTAMINATED SOIL ☐ C-117 No.
☐ OTHER MATERIAL
DESCRIPTION: Sulfides/Solids

VOLUME OF MATERIAL: ☒ BBLs 120 ☐ YARD

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
NO. 20714 (SIGNATURE)

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY: Burns Pipeline
LEASE NAME: Lane Lake SWD
TRANSPORTER COMPANY: Gandy TIME: 5:35 AM/PM
DATE: 11-6-95 VEHICLE No.: 302 DRIVER No.:

TYPE OF MATERIAL
☐ PRODUCTION WATER ☐ DRILLING FLUIDS ☐ COMPLETION FLUIDS
☐ TANK BOTTOMS ☐ CONTAMINATED SOIL ☐ C-117 No.
☐ OTHER MATERIAL
DESCRIPTION: Sulfides/Solids

VOLUME OF MATERIAL: ☒ BBLs 110 ☐ YARD

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
NO. 20702 (SIGNATURE)

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY

LEASE NAME

TRANSPORTER COMPANY

DATE

VEHICLE No.

DRIVER No.

TYPE OF MATERIAL

DRILLING FLUIDS

CONTAMINATED SOIL

COMPLETION FLUIDS

C-117 No.

PRODUCTION WATER
TANK BOTTOMS
OTHER MATERIAL
DESCRIPTION

After Hours

VOLUME OF MATERIAL

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER

(SIGNATURE)

FACILITY REPRESENTATIVE

(SIGNATURE)

White - CRI

Canary - CRI Accounting

Gold - Transporter

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY

LEASE NAME

TRANSPORTER COMPANY

DATE

VEHICLE No.

DRIVER No.

TYPE OF MATERIAL

DRILLING FLUIDS

CONTAMINATED SOIL

COMPLETION FLUIDS

C-117 No.

PRODUCTION WATER
TANK BOTTOMS
OTHER MATERIAL
DESCRIPTION

Solids

VOLUME OF MATERIAL

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER

(SIGNATURE)

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY

LEASE NAME

TRANSPORTER COMPANY

DATE

VEHICLE No.

DRIVER No.

TYPE OF MATERIAL

DRILLING FLUIDS

CONTAMINATED SOIL

COMPLETION FLUIDS

C-117 No.

PRODUCTION WATER
TANK BOTTOMS
OTHER MATERIAL
DESCRIPTION

Sulfides/Solids

VOLUME OF MATERIAL

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER

(SIGNATURE)

FACILITY REPRESENTATIVE

(SIGNATURE)

White - CRI

Canary - CRI Accounting

Gold - Transporter

CONTROLLED RECOVERY INC.

P.O. BOX 369 • HOBBS, NEW MEXICO 88241
(505) 393-1079

LEASE OPERATOR/COMPANY

LEASE NAME

TRANSPORTER COMPANY

DATE

VEHICLE No.

DRIVER No.

TYPE OF MATERIAL

DRILLING FLUIDS

CONTAMINATED SOIL

COMPLETION FLUIDS

C-117 No.

PRODUCTION WATER
TANK BOTTOMS
OTHER MATERIAL
DESCRIPTION

Solids

VOLUME OF MATERIAL

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER

(SIGNATURE)

FACILITY REPRESENTATIVE

(SIGNATURE)



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

April 12, 1996

CERTIFIED MAIL

RETURN RECEIPT NO. P-269-269-133

Mr. Robert H. Fehlmann
Environmental Coordinator
Tipperary Corporation
633 Seventeenth St., Suite 1550
Denver, Colorado 80202

**RE: CLOSURE REPORT
LANE SALT LAKE DISPOSAL FACILITY
BURRO PIPELINE CORPORATION**

Dear Mr. Fehlmann:

The New Mexico Oil Conservation Division (OCD) is in the process of reviewing Tipperary Corporation's (TC) January 9, 1996 "FINAL REMEDIATION REPORT, SALT WATER SKIMMER PITS, LANE SALT LAKE WATER DISPOSAL FACILITY OWNED BY BURRO PIPELINE CORPORATION, LEA COUNTY, NEW MEXICO" which was received by the OCD on January 31, 1996. This document contains the results of TC's closure actions at Burro Pipeline Corporation's Lane Salt Lake Disposal Facility.

The OCD has the following comments and requests for information regarding the above referenced document:

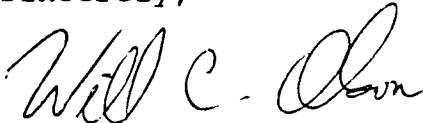
1. The report states that the metal, flow lines, netting and supports were transported to Gandy Oilfield Services disposal facility near Tatum, New Mexico. Since Gandy's facility is not permitted to receive these types of wastes, the OCD contacted Gandy to determine if these wastes were disposed of at their facility. Gandy informed the OCD that they had not received these wastes. Please provide the OCD with the waste manifests which show the disposal location to which these wastes were taken. ✓
2. The executive summary states that manifests were enclosed which show the disposal location to which 4590 bbls. of fluids were taken. No such manifests could be found in the report. Please provide this information to the OCD. ✓
3. Please provide a map or schematic showing the sampling locations of the pit samples. ✓

Mr. Robert H. Fehlmann
April 12, 1996
Page 2

4. The data on the colored overlays for each pit appears to conflict with the data presented in the tables. The overlays show remaining contaminant levels in the pit bottoms in excess of 10,000 ppm of TPH. The pit bottom TPH levels listed in the tables are 2 to 30 times lower than those depicted on the overlays. Please provide information addressing these discrepancies. ✓
5. Please provide the depth intervals of the final spread zone sample locations. ✓
6. Please submit a post-closure monitoring plan for the facility. The plan will contain a method of demonstrating that remaining contaminants will not pose future threats.

Submission of the above requested information will allow the OCD to complete a review of the above referenced document. If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office
Dwain Glidewell, NM State Land Office



Tipperary
CORPORATION

633 Seventeenth Street
Suite 1550
Denver, Colorado 80202

RECEIVED
JAN 31 1996
Environmental Bureau
Oil Conservation Division

January 9, 1996

Mr. Roger C. Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
2040 S. Pacheco Street
Santa Fe, New Mexico 87505

SUBJECT: FINAL REMEDIATION REPORT
SALT WATER SKIMMER PITS
Lane Salt Lake water disposal facility owned by Burro Pipeline Corporation
Lea County, New Mexico

Dear Mr. Anderson:

Enclosed is the final remediation report for Burro Pipeline's Lane Salt Lake salt water disposal facility. We believe that we have met all of New Mexico's closure requirements, and would like your department to approve final closed status for the pits.

At Bill Olson's suggestion, I have forwarded one copy of this report to Wayne Price in your Hobbs Office. I'd like you to know that it was a pleasure to work with New Mexico's OCD people on this project. They offered many helpful suggestions.

If there are any questions about our remediation procedure or this report, please contact me.

Sincerely Yours,

Robert H. Fehlmann
Environmental Coordinator

