NM1 - <u>J</u>

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







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

PHONE (\$05) 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

FAX 10. (201) 354-200

Sampling Date: 04/04/05

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

ETHYL TOTAL

BENZENE TOLUENE BENZENE XYLENES

LAB NUMBER SAMPLE ID (mg/L) (mg/L) (mg/L)

(mg/L) (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

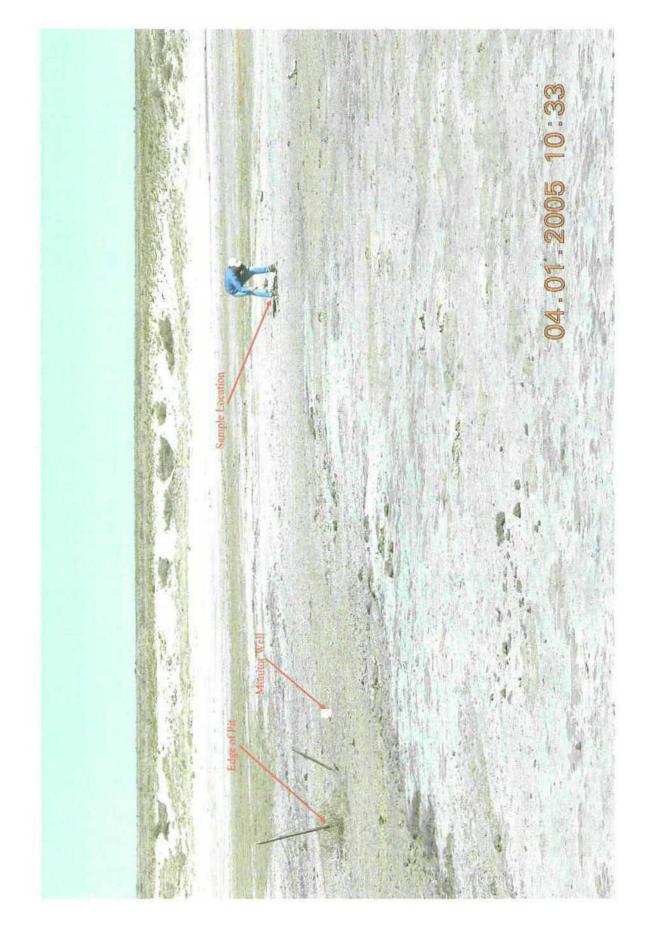
METHOD: EPA SW-846 8260

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.
2111 Beechwood, Ablane, TX 79803 101 East Marland, Hobbs, NM 88240

	(325) 673-7001 Fax (325) 673-7020		5	(505) 393-2326 Fax (505) 393-2476	3	ת ק	<u> </u>	Ş	2	<u>ت</u> د	Ā76												Page	Ī	ا	٦		•	
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* 78) [′]	394-2050 Fax #: 281-394-2057	16. h	Σ,	_				<u>_</u>	6	Address:	Ξ,																		
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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. If the samples collected are negative r 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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This email has been scanned by the MessageLabs Email Security System. For more information please visit http://www.messagelabs.com/email

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:

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- 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



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

Lary & Degano

Vice President – Engineering

Enclosures

cc: Mr. Paul Sheeley
NMOCD Hobbs Office

Whole Earth Environmental

Tipperary Oil & Gas Corporation
Phone: (303) 293-9379 Fax: (303) 292-3428

LougANO@ TIPIBRANY CORP.

COM



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

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

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	4	н	u	н	11	#F	J
Ethylbenzene	J [0.00465]	0.0100		н	u	**	n	n	J
Xylene (p/m)	0.0109	0.0100	6	**	n	"	u	41	
Xylene (o)	J [0.00437]	0.0100		n	**	n	**	n	ال
Surrogate: a,a,a-Trifluorotoluene		96.0 %	80-	120	н	,	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-	120	**	**	"	u	
Center (4J04014-02) Water									
Benzene	J [0.00418]	0.0100	mg/L	10	EJ41302	10/12/04	10/12/04	EPA 8021B	,I
Toluene	J [0.00194]	0.0100	**	n	**	n	**	11	J
Ethylbenzene	J [0.00278]	0.0100	·	н	11	n	41	**	J
Xylene (p/m)	J [0.00639]	0.0100	"	•		tr.	"	11	J
Xylene (o)	J [0.00239]	0.0100		11	н	n	11	*	į
Surrogate: a,a,a-Trifluorotoluene		106 %	80-	120		*	"		
Surrogate: 4-Bromofluorobenzene		82.5 %	80-	120	"	•	"	и	•
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	n	"	н	ı	**	ti .	J
Ethylbenzene	J [0.00348]	0.0100	n		"	rt	7	11	J
Xylene (p/m)	0.0107	0.0100	н	"	"	II.	"	н	
Xylene (o)	J [0.00346]	0.0100		**	n	11	11	н	3
Surrogate: a,a,a-Trifluorotoluene		117%	80-	120	,,	"		,	
Surrogate: 4-Bromofluorobenzene		114%	80	120	,,	,,	**	"	

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

Analyta	D	Reporting	17.	Spike	Source	A/DEC	%REC	D.U.S.	RPD	Mati
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ41302 - EPA 5030C (GC)		··			·					
Blank (EJ41302-BLK1)				Prepared &	Analyzed:	10/12/04				
Benzene	ND	0.00100	mg/L							
Foluene	ND	0.00100	n							
Ethylbenzene	ND	0.00100	**							
(ylene (p/m)	ND	0.00100	"							
(ylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	23.8		ug/l	20.0		119	80-120			
urrogate: 4-Bromofluorobenzene	19.7		n	20.0		98.5	80-120			
.CS (EJ41302-BS1)				Prepared &	Analyzed:	10/12/04				
Benzene	111		ug/l	100		111	80-120			
oluene	111		**	100		111	80-120			
thylbenzene	112		11	100		112	80-120			
(ylene (p/m)	225		**	200		112	80-120			
(ylenc (o)	115		n	100		115	80-120			
urrogate: a,a,a-Trifluorotoluene	19.8			20.0		99.0	80-120			
urrogate: 4-Bromofluorobenzene	20.9		"	20.0		104	80-120			
CS Dup (EJ41302-BSD1)				Prepared &	k Analyzed:	10/12/04				
Benzene	109		ug/l	100		109	80-120	1.82	20	
oluene	113		"	100		113	80-120	1.79	20	
thylbenzene	107		n	100		107	80-120	4.57	20	
(ylene (p/m)	226		1*	200		113	80-120	0.889	20	
(ylene (o)	106		"	100		106	80-120	8.14	20	
Surrogate: a,a,a-Trifluorotoluene	20.4			20.0		102	80-120			
urrogate: 4-Bromofluorobenzene	18.3		,	20.0		91.5	80-120			
Calibration Check (EJ41302-CCV1)				Prepared &	Analyzed:	10/12/04				
enzene	105		ug/l	100		105	80-120			
oluene	102		n	100		102	80-120			
thylbenzene	102		u	100		102	80-120			
(ylene (p/m)	206		*	200		103	80-120			
(ylene (o)	100		n	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			

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
Batch EJ41302 - EPA 5030C (GC)										
Matrix Spike (EJ41302-MS1)	Soui	rce: 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		н	100	0.335	110	80-120			
Xylene (p/m)	215		н	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)	Sour	rce: 4J07008-02		Prepared &	Analyzed:	10/12/04				
Benzene	109		ug/l	100	ND	109	80-120	0.00	20	
Toluene	112		พ	100	ND	112	80-120	3.64	20	
Ethylbenzene	108		"	100	0.335	108	80-120	1.83	20	
Xylene (p/m)	217		11	200	0.810	108	80-120	0.930	20	
Xylene (o)	104		н	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			

WHOLE EARTH ENVIRONMENTALProject:Lane Salt LakeFax: (281) 394-20512103 Arbor CoveProject Number:None GivenReported:Katy TX, 77494Project Manager:Mike Griffin10/13/04 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

	Kaland K Julis		
Report Approved By:	Coccon C 110	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.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

Dup

Duplicate

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763 Phone: 915-563-1800 Fax: 915-563-1713 CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manage	er: M. Griffin										_				Pro	ject	Nam	e: <u>T</u>	ipp	era	ry I	LSI						
Company Nam	ne Whole Earth Environ	nmental, l	Ínc.													Pro	oject	#:					_					
Company Address	s: 19606 San Gabriel														Р													
City/State/Zip	p: Houston, Tx. 77084			······			, -					.,					PO											
Telephone No	o: 800.854.4358			Fax No):		28	81.6	46.	899	96																	
Sampler Signature	e:																											
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030 AB # ((ab use only)	FIELD CODE		Date Sampled	Time Sampled	No. of Containers	Ice	HNO ₃	HCI	NaOH	H₂SO₄	None	Other (Specify)	Sludge	Soil	Other (specify):	TDS/CL/SAR/EC	TPH 418.1 TPH TX 1005/1008	TPH 8015M GRO/DRO	Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8021B/5030	Chlorides	S.A.R.			RUSH TAT (Pre-Schedule)	Standard TAT
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-02	Central		11/10/03	10:30	2	1	f^-	 		х	\dashv		(T		+		\top		П	1 -	x	\top	十	1		十	†
-03	South		11/10/03	11:15	2	_			Н	x	1					7	+	\top		П		X	+	+	+	一十	十	\dagger
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Relinquished by: M. Prescher	Date 11/10/03	Time 4:00 PM	Received by:	25									Date			Time			The state of the s	70). O	7		1) 9	ŋά	· · ·	es englishmism en e	
Relinquished by:	Date	Time	Received by ELC	N A	rd	_l	1	57	ے۔	جِـــ		(/)	Date	63	O	Time	0	: ! ` : * . : * .	7	U.		1	<u>-</u> ر		5 5.	3		

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

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.

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

ANALYTICAL REPORT

MIKE GRIFFIN WHOLE EARTH 19606 SAN GABRIEL HOUSTON, TX 77084

Order#:

G0307934

Project:

Project Name:

Tipperary LSL

Location:

None Given

Lab ID: Sample ID: 0307934-01

North

8021B/5030 BTEX

Method Blank

Date Prepared

Date Analyzed

Sample Amount Dilution

1

Factor

Method

0007453-02

11/17/03

1

Analyst 8021B CK

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 Li	mits (%)
aaa-Toluene	107%	80	120
Bromofluorobenzene	113%	80	120

Lab ID:

0307934-02

Sample ID:

Central

8021B/5030 BTEX

Method Blank 0007453-02

Date Prepared

Date Analyzed 11/17/03 Sample Amount 1

Dilution Factor

1

Analyst CK

Method 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 Li	mits (%)
aaa-Toluene	85%	80	120
Bromofluorobenzene	93%	80	120

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		
Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
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 Li	mits (%)
aaa-Toluene	89%	80	120
Bromofluorobenzene	100%	80	120

Approval: Kalandk Juril

//-19-03 Date

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.

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%

Environmental Lab of Texas, Inc.

12600 West 1-20 East Odessa, Texas 79763 Phone: 915-563-1800

Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manag																Pro	ject	Nan	ne:									
Company Na	ame_Who	le E	arth	Till	2en	90	1										Pro	ject	#:									
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	zip: Ifau																	РО	#:									
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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

SAMPLE WORK LIST

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

Order#:

G0204813

Project:

None Given

Location:

Project Name: Tipperary 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.

				Date / Time	Date / Time		
Lab ID:	Sample:	Matrix:		Collected	Received	Container	Preservative
0204813-01	Lanc Salt Lake #1	WATER		10/20/02 14:00	10/21/02 12:50	40 mL VOA	Ice, HCl
<u>La</u>	ab Testing:	Rejected:	No	Ten			
	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>L</u> a	ab Testing:	Rejected:	No	Ten	np: 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>La</u>	ub Testing:	Rejected:	No	Ten	np: 3 C		
	8021B/5030 BTEX						

ANALYTICAL REPORT

MIKE GRIFFIN WHOLE EARTH 19606 SAN GABRIEL HOUSTON, TX 77084

Order#:

G0204813

Project:

None Given

Project Name: Location: Tipperary None Given

Lab ID:

0204813-01

Sample ID:

Lane Salt Lake #1

8021B/5030 BTEX

Method	
Blank	

Date Prepared Date Analyzed Sample Amount Dilution <u>Factor</u>

1

Analyst

CK

Method 8021B

0003551-02

10/25/02 11:50

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

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
0003551-02

Date Prepared Date
Analyzed
10/25/02

12:12

Sample Amount Dilution Factor

Analyst CK

t Method 8021B

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

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

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 Blank

Date Prepared

Date Analyzed

Sample Amount

1

Dilution Factor

1

Method

0003551-02

10/25/02 12:34

Analyst 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 Li	mits (%)
aaa-Toluene	92%	80	120
Bromofluorobenzene	93%	80	120

10-29-02 Approval: Deine memurey

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.

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.%	6.4%
Ethylbenzene-mg/L		0204813-01	0	0.1	0.094	94.%	8.2%
Toluene-mg/L		0204813-01	0	0.1	0.092	92.%	5.3%
p/m-Xylene-mg/L		0204813-01	0	0.2	0.202	101.%	6.7%
o-Xylene-mg/L		0204813-01	0	0.1	0.098	98.%	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.%	
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

Oil Conservation Division 1220 S. St. Francis Drive Santa Fe. NM 87505 January 19, 2004

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

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

SAMPLE WORK LIST

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

Order#:

G0204813

Project: None Given

Project Name: Tipperary

None Given

Location:

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.

Lab ID: 0204813-01	Sample: Lanc Salt Lake #1	Matrix: WATER		Date / Time <u>Collected</u> 10/20/02 14:00	Pate / Time <u>Received</u> 10/21/02 12:50	Container 40 mL VOA	Preservative Ice, HCI
<u>La</u>	b Testing: 8021B/5030 BTEX	Rejected:	No	Ten	ip: 3 C		
0204813-02	Lane Salt Lake #2	WATER		10/20/02 14:15	10/21/02 12:50	40 mL VOA	Ice, HCi
La	<u>b Testing:</u> 8021B/5030 BTEX	Rejected:	No	Ten	np: 3 C		
0204813-03	Lanc Salt Lake #3	WATER		10/20/02 14:30	10/21/02 12:50	40 mL VOA	Ice, 11C1
La	<u>b Testing:</u> 8021B/5030 BTEX	Rejected:	No	Tex	p: 3 C		

ANALYTICAL REPORT

MIKE GRIFFIN WHOLE EARTH 19606 SAN GABRIEL HOUSTON, TX 77084 Order#: Project: G0204813 None Give

None Given Tipperary

Project Name: Location:

None Given

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

8021B/5030 BTEX

Method	Date	Date
Blank	Prepared	Analyze
0003551-02		10/25/0
		11.50

 Date
 Sample
 Dilution

 Analyzed
 Amount
 Factor

 10/25/02
 1
 1

 11:50
 1
 1

Analysi Method
CK 8021B

(·	· · · · · · · · · · · · · · · · · · ·	
Parameter	Result mg/L	RI.
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	0.001
p/m-Xylene	< 0.001	0.001
o-Xylenc	<0.001	0.001

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

Lab ID:

0204813-02

Sample ID:

Lane Salt Lake #2

8021B/5030 BTEX

		00212	17 JUJU 13 1 14.	^		
Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003551-02		10/25/02 12:12	1	t	CK	8021B

Parameter	Result mg/L	RI.
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 Lir	nits (%)
aaa-Toluene	99%	80	120
Bromofluorobenzane	100%	80	120

ANALYTICAL REPORT

MIKE GRIFFIN WHOLE EARTH 19606 SAN GABRIEL HOUSTON, TX 77084 Order#: Project: Project Name: G0204813 None Given Tipperary

Loration: None Given

Lab ID: Sample ID: 0204813-03

Lane Sait Lake #3

8021B/S030 BTEX

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

Parameter	Result mg/L	Rl.
Benzene	<0.001	0.001
Ethylbenzene	<0.001	0.001
Toluene	<0.001	100.0
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Li	mits (%)
aaa-Toluene	92%	80	120
Bromofluarobenzene	93%	80	120

Approval: Transcript 10-29-02
Roland 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.

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204813

BLANK	WATER	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzenc-rng/L		0003551-02			<0.001		
Ethylbenzene-mg/L		0003551-02		†	<0.001		
Toluene-mg/L		0003551-02			<0.001		
p/m·Xylenc-mg/L		0003551-02			<0.001		
a-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.%	
/m-Xylone-mg/l.		0204813-01	0	0.2	0.216	108.%	
-Xylene-mg/l.		0204813-01	0	0.1	0.104	104.%	
MSD	WATER	LAB-ID#	Sample Concente.	Spike Concente.	QC Test Result	Pct (%) Recovery	RPD
enzene-mg/l.		0204813-01	0	0.1	0.091	91.%	6.4%
thylbenzene-mg/L		0204813-01	0	0.1	0.094	94.%	8.2%
Toluene-mg/L		0204813-01	0	0.1	U.092	92.%	5.3%
o/m-Xylene-mg/L		0204813-01	0	U.2	0.202	101.%	6.7%
-Xylene-mg/L		0204813-01	0	0.1	0.098	98.%	5.9%
SRM	WATER	LAB-ID#	Sample Concentr.	Spike Concentr.	QC Test Result	Pet (%) Recovery	RPD
Benzene-mg/L		0003551-05		0.1	0.098	98.%	
thylbenzene-mg/l.		0003551-05		0.1	0.102	102.%	······································
oluene-mg/l.		0003551-05		0.1	0.100	100.%	
/m-Xylene-mg/L		0003551-05		0.2	0.216	108.%	
-Xylene-mg/L		0003551-05		0.1	0.105	105.%	

CHAIN OF CUSTODY RECORD AND AMALYSIS REQUEST Project Name: Project No:	PO #:	Analyze 5or:	7Q.P.		The repeatly TDS / CL / SAN / EC TPH 418 1 TPH 1X 1005/1006 Metals: As Ag Be Cd CP Pb Hg. Votenies Semivolatiles UTLX 6021B/5030	2		\ \ -	7				Sample Contained Tribacts Torque Contained Don Newson	Time 27. 11. 12. 12. 12. 12. 12. 12. 12. 12. 12	1 VON 1 VON
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b of Texas, Phone: 915-55-1800 Fax: 915-563-1713	K 7/C					Edso CF	Billery	#2 at 1/4 -1/6	ialake					1/2/1/2/4/	Time
Lab of	Sour I	נ			FIELD CODE	10 kg #1		1 lako #2	4 10 Cot 3	١				10/21/a	Pate 1
nental 3 3 anager: y Name						Lane Salt		Lacasal	Lang Se	,				1	
Environmental Lab of Texas, Inc. 12600 West 1.20 East Phone: 915-563-1800 Odessa. Texas 79763 Fax: 915-563-1713 Project Manager: Company Address: 19606 Ody Cast 12	City/State/Zip: Telephone No: Sampler Signature:				100° 3 (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3) (10° 3)	- 10	•	4.4	99				Special Instructions:	Religuished by	Refinquished by:

FAT HZUR TAT brancel



Whole Earth Environmental, Inc.

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

RECEIVED

OCT 1 2 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



"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/ HCI/ 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 0101637-03	2 3	<0.001 <0.001	<0.001 <0.001	<0.001 <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

9-27-01

vironmental Lab of Texas, Inc.

Nest I-20 East

Phone: 915-563-1800

Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:									Printer The			الرامي جيدانا			P	roje	ct Na	me:	La	ne	Sal	t L	ak	2						
Company Name	Whole Earth Environmental, Inc.									Project #:																				
Company Address:	19606 San Gabriel	·														Pro	ject	Loc:	Ta	tun	n, I	M								
City/State/Zip:	Houston, Tx. 77084																P	O #:												
Telephone No:	800.854.4358			Fax No:			28	1.64	16.8	399	6																			
Sampler Signature:		<u> </u>																												
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W	FIELD CODE		Date Sampled	Time Sampled	No. of Containers	ec e	HALO, EFFER	HCI GS Per M. Brittin 126	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Shudge	Soil Other (energic):	The feet team inc	TPH 418.1	TPH TX 1005/1006	TPH 8015M GROIDRO	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 80218/5030	Chlorides					RUSH TAT (Pre-Schedule	Standard TAT
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	3		9/22/01	10:16	1	x	X	X					x	ヿ	T	T	T						X			T	T			
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hed by: Griffin	Date 9/26/01	Time 8:18	Received by:										Da			Tir	ne								U	0	<u>.</u> ۲			
hed by:	Date	Time	Recipies by El				A					9		e Ul	4.0	TH BH														



NEW EXICO ENERGY, MIDERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor Jennifer A. Salisbury Cabinet Secretary

October 30, 2001

Lori Wrotenbery
Director
Oil Conservation Division

<u>CERTIFIED MAIL</u> 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,

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

Surergy, 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 and authorized to 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- (\$5,000.00) 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 <u>principal</u> 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 <u>11th</u> day of <u>May</u> , <u>200</u> 1
Principal Burro Pipeline Corporation Surety Fidelity and Deposit Company of Maryland
633 17th Street, Suite 1550 P.O. Box 1227
Mailing Address Denver, CO 80202 Mailing Address Baltimore, MD 21203
By Clavel Z. Madshaw By DAVID L BEADSMAW FRESIDENT Signature Title 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 a	cting in his own right:)
STATE OF	
COUNTY OF	
The foregoing instru	ment was acknowledged before me this day of by
My commission expires:	
Date	Notary Public
	ng by one or more partners)
STATE OF	35
COUNTY OF	
of	, partner(s) on, a partnership.
My commission expires: Date	Notary Public
The foregoing in June by Maniel X. Bra	FARY PUON
a corporation, on behalf of sa	id corporation.
a corporation, on behalf of sate $6-8-0/$	My Commission Expires 07/31/2002 Notary Public Fugues Kajum

ACKNOWLEDGEMENT OF SURE

STATE OF Kansas	
COUNTY OF Sedgwick	·
On this <u>llth</u> day of	May , 2001 , before me personally appeared
Sandra J. Shryack t	o me known as the person described in and who executed the
foregoing instrument and acknowled	iged that (s)he executed the same as his/her free act and deed.
(Scal)	
	Notary Public
RERICA M. PLUMMER Notary Public - State of Kansas My Appt. Expires	My Commission expires 7-27-2004

RIDER

Surety Bond No. 04128218

	signed principal(s) and surety, in consideration for the
additional premium or consideration paid for New Mexico, to terminate the period of li	this rider, if any, and the consent by the State of ability on Bond No(s). 123972081
new Mexico , to terminate the period of it	carrying the same principal(s) and
Continental Casualty Company	as surety, the undersigned principal(s) and
surety hereby assume any and all liabilities th	hat may be outstanding on Bond No(s). 123972081
	roperly to plug and abandon all wells existing on leases to
which Bond No(s). 123972081	applies provided, however
amount of the bond to which this rider attach	ential or cumulative liability of the surety above the face
amount of the bond to which this rider attach	es.
Effective the 11th day of May,	20 01.
Executed this 11th day of May,	20 01.
<u> </u>	
	Burro Pipeline Corporation
Witnesses:	
Claime K Heece	By While L. Bradshaw Principal
633 17th Street, Denver, CO 80202	633 17 th Street, Denver, CO 80202
	Address
	PRESIDENT
	Title
\Diamond	
	Fidelity and Deposit Company of Maryland
Janes K N Jan	Surety
1 . V siec	P.O. Box 1227, Baltimore, MD 21203 Address
P.O. Box 2992, Wichita, KS 67201-2992	Judge // Mark 1
	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. Porrest, Patricia Brogan, Sandra J. Shryack and Erica M. Plummer, all of Wichita, Kansas, EACH is 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 a 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, with in their own proper persons. This power of attorney revokes that issued on behalf of W. C. Cohen, Jr., Joseph C. Lukens, II, Scott P. 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 FIDERITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURESCOMPANY, this 14th day of July, A.D. 2000.

ATTES	T: FIDE Ł	NAND DEPOSIT COM	MPANY	OF MARYLAND	
(SEAL)	J. C.GAR	nlon	By:	Leal Borlist	
	T. C. Johnson	Assistant Secretary	-	F. L. Borleis	Vice-President
	COLONIAL	AMERICAN CASUALT	Y AND	SURETY COMPANY	
SEAL	J.C. Cohne	•	By:	Sual Bookist	
	T. C. Johnson	Assistant Secretary		F. L. Borleis	Vice-President
	Maryland 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 deposeth 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 DEXICO ENERGY, MONERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

October 30, 2001

Lori Wrotenbery
Director
Oil Conservation Division

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT NO. 7099-3220-0000-5051-2467</u>

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

TIMEICALS AND NATURAL RY

ONO . OO BOND FOR COMMERCIAL SURFACE MATE DISPOSAL FACILITY

GIL CONSER!

OIL CONSERVE UN DIVISION

ON DIVISION NO. REG: VED (For Use of Surety Company)

File with Oll Conservation Chaiseign. PHO-800022088. Senta Fe. New Mexico \$7504 RECEIVED

*93 JUN 28 AM THOMPSEL MEN BY THESE PRESENTS:

That	BURRO PIPELINE CORPORATION	. (mxxximat/whataii
	orporation organized in the State of	
Colorado	office in the City of Denver and authorized to do business in the	State of New Mexico), se
	CONTINENTAL CASUALTY COMPANY ing under the laws of the State of	Illinois
agent licensed in sursty company, as the use and benefi Natural Resources ! amended, and to to (\$25,000.00) Dollar and truly to be ma	to business in the State of New Mexico the State of New Mexico to execute th SUMETY, are held firmly bound unto the tof the Oil Conservation Division of Department pursuant to Chepter 72. Law is State of New Mexico in the sum of a lawful money of the United States founds, said PRINCIPAL and SURETY herebygns, jointly and severally, firmly by	is bond on behalf of the state of New Mexico, for the Energy, Minerals and sof New Mexico, 1935, as Twenty Five Thousand the payment of which, well bind themselves, their

The conditions of this obligation are such that:

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

NOW, THEREFORK, This \$25,000 performance bond is conditioned upon substantial compitance 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. HONEVER, That sixty (80) days after receipt by the Oil Conservation Division of written notice of concellation 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. ss 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
633 17th Street, Suite 1550 Denver, CO 80202	999 18th Street, Suite 2800 Denver, Colorado 80202
By Saved L. Bredsher Vice President Standard 11110	Mailing Address
David L. Bradshaw, Vice President	Douglas J. Rothey

Principal, if corporation (Note: Corporate surely affix corporate Alila corporate seal here.) seal here.)

If curporate 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 Act And of COUNTY OF Aumor	_) _)ss.
On this 32 day	of June, 1943 before me personally appeare that, to me personally known who, being by me duly sworn, did sate of Butter Land and that the fore
going instrument was signed	and sealed on behalf of said corporation by authority of its board o
	said instrument to be the free act and deed of said corporation.
	ave 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	Colores Public Notary Public
My Commission Expires	
On this 1840 day	of June, 1993, before me appeared Douglas personally known, who, being by me duly sworn, did say that he is
A++4-IN FAC+	of Continental Casualty Company and that
the foregoing instrument was	s signed and sealed on behalf of said corporation by authority of its
	wledged said instrument to be the free act and deed of said corporation.
	we hereunto set my hand and seal on the day and year in this certificate
first above written.	Mary Carrenie why your
9-13-95	Notary Public
	
My Commission Expires	
(Note: Corporate surety atta	ch power of attorney.)
	APPROVED BY:

OIL CONSERVATION DIVISION OF HEW MEXICO

Date: _



AN ILLINOIS CORPORATION

POWER	OF	ATTORNEY	APPOINTING	INDIVIDUAL	ATTORNEY-IN-FACT
PUHER	ur	ALIURNET	AFFUINII	MUDIVIDUAL	ALIUNNELINITACI

POWER OF AT	TORNEY APPOINTING	INDIVIDUAL ATTORNEY-IN-FACT	
Know All Men by these Presents, That laws of the State of Illinois, and having its	CONTINENTAL CASUALTY	COMPANY, a corporation duly organized	and existing under the nereby make, constitute
and appoint Robert L. Cohen, Co	nrad W. Pobuda, T	heresa M. Fadul, Gerald J. F	layes,
Douglas J. Rothey, Indivi			
of Denver, Colorado			
Its true and lawful Attorney-in-fact with full po	wer and authority hereby c	onferred to sign, seal and execute in its bet	nalf bonds, undertakings
and other obligatory instruments of similar na			
	 In Unlimited 	Amounts -	
and to bind CONTINENTAL CASUALTY COM duly authorized officers of CONTINENTAL (given are hereby ratified and confirmed.	CASUALTY COMPANY and	l all the acts of said Attorney, pursuant t	to the authority hereby
This Power of Attorney is made and ex Directors of the Company.	ecuted pursuant to and by	y authority of the following By-Law duly a	popted by the Board of
	"Article IX-Execution	on of Documents	
attorneys-in-fact to act in behalf of the C instruments of like nature. Such attorney have full power to bind the Company by thereto. The President or any Vice President or any attorney-in-fact."	company in the excecution ys-in-fact, subject to the lit their signature and executi tent or the Board of Director	/ice President may, from time to time, appo of policies of insurance, bonds, undertakin mitations set forth in their respective certif ion of any such instruments and to attach ors may at any time revoke all power and a	ngs and other obligatory icates of authority, shall the seal of the Company uthority previously given
This Power of Attorney is signed and s Board of Directors of the Company at a me	sealed by facsimile under eting duly called and held	and by the authority of the following Res t on the 3rd day of April, 1957.	olution adopted by the
power of attorney granted pursuant to Se- and the seal of the Company may be aff such facsimile signatures and seal shall by certificate so executed and sealed sh binding on the Company."	ction 3 of Article IX of the E fixed by facsimile to any c be valid and binding on th all, with respect to any bo	nt and the seal of the Company may be aff by-Laws, and the signature of the Secretary of certificate of any such power, and any power the Company. Any such power so executed and or undertaking to which it is attached,	or an Assistant Secretary er or certificate bearing and sealed and certified continue to be valid and
	SUALTY COMPANY has ca	aused these presents to be signed by its February , 19	Vice President and its
corporate seal to be hereto affixed on this	day of	CONTINENTAL CASUALTY CO	
	THE CASUALTY	CONTINUE CASSILLA GO	,
State of Illinois } County of Cook {	COSPORATE SE	Q	
souncy or cook ;	SEAL SEAL	Elm B1	
	1007	J. E. Purtell	Vice President.
	February	, 19 <u>93</u> ., be	fore me personally came
J. E. Purtell, to me known, who, being by me di a Vice-President of CONTINENTAL CASUALTY the seal of said Corporation; that the seal affixed is such corporate seal; that it was so affixed put thereto pursuant to like authority, and acknowle	COMPANY, the corporation d to the said instrument is su rsuant to authority given by	ay: that he resides in the Village of Glenview, described in and which executed the above in cuch corporate seal; that it was so affixed pursu the Board of Directors of said corporation and	State of Illinois; that he is nstrument; that he knows ant to the said instrument
	PUBLIC TO CO. III.	Linda C. Dempsey My Commission Expires Oc	Nother Public Ctoper 19, 1994
George R. Hobaugh, Assistant Secretary of Clet forth is still in force, and further certify the irectors, set forth in said Power of Attorney at the said ompany this	at Section 3 of Article IX or re still in force. In testimon	COMPANY, do hereby certify that the Power of the By-Laws of the Company and the Re	solution of the Board of
(CASUAL POPULATION OF THE POPUL	George R. Hobaugh	Assistant Secretary



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,

Lany G Lyono Larry G. Sugano

Vice President - Engineering

cc: NMOCD Hobbs Office

Enclosures

p.1

· Oct 12 00 02:21p

ENVIRONMENTAL LAB OF

"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/ feed/ 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

517#	STELD CODE	BENZENE mg/L	TOLUENE mg/L	STHATBENSEME	m,p-XYLENE mg/L	6-XYLENE Ing/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
& EV	102	101	104	103	102
BLANK	< 0.001	<0.001	100 0>	< 0.001	<0.001

METHODS, SW 846-8021B,5030

10-12-00 Dale

12600 West I-20 East • Odessa, Texas 79765 • (915) 563-1800 • Fax (915) 563-1713

CHAIN-OF-COSTODY RECORD AND ANALYSIS REQUEST ANALYZIZ REQUEST of the day of the by the day of the bill be Rec-2°C कह में सुन्ति है। एक एस ४५ हैं र काला से सार है SENONER 01/6 < 807/03/2030 Environmental Lab of Texas, Inc. 13600 Went-20 Lan Odera Texa 29762 (915) 562-1800 F.A.V. (915) 563-1713 SAMPLING aca i 3/20/00 mmuse of HVII. Received by Laboratory: 11-11111 GALLANDERS COLUMN ation Precion by: Shrangera Ser 300 com השום שות של שום מושה השום בין Eug Project Name **8**41110 Phone # 390645 7.7.7 F CELES Hiv 0,60 tieth HALVAA HE L La: развилия даннирод 4 09.58 00 ii Z Usin 10 00 0 0 1 m E 1050 Diece Alana Returnationed of Project Locadoc 1,58 2.84. 1,040. 31520 31519 11 Sir. F

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"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

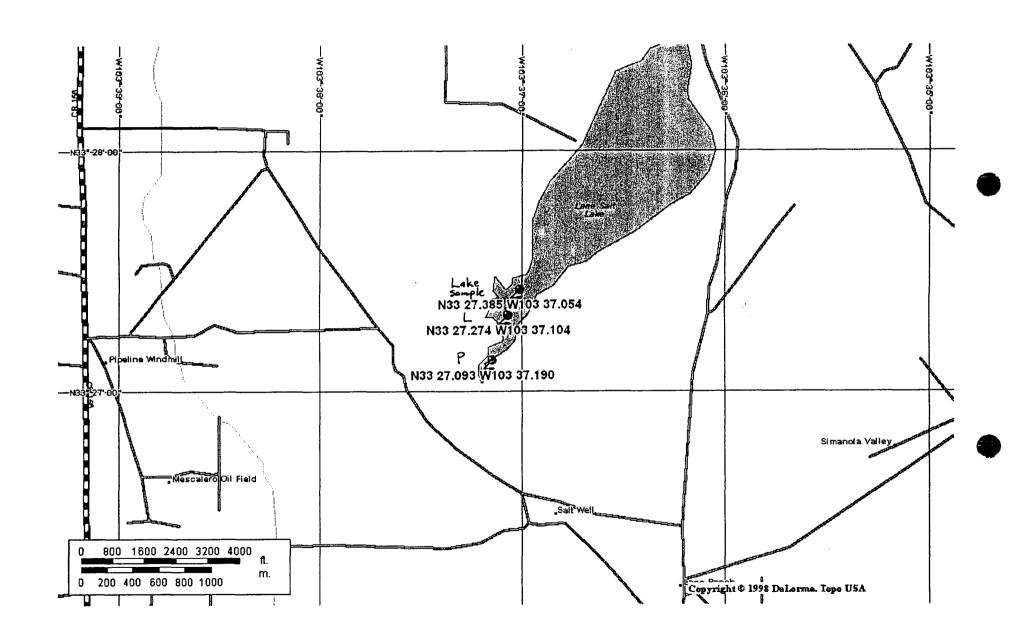
Analysis Date: 11/28/00

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

METHODS: SW 846-8021B,5030

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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: Pu

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



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



"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/ load/ HCI

Project #: Lane Salt Lake Project Name: Tipperary

Project Location: 15 ml. West of Tatum, N.M.

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

ELT#	FIELD CODE	BENZENE ma/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m.p-XYLENE ma/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
R	LANK	<0.001	< 0.001	< 0.001	< 0.001	<0.001

METHODS: SW 846-8020,5030

Raland K. Tuttle

8-16-99

Date

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CRAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	12500 West 1-20 East Odests, Texas 79763 (915) 563-1800 FAX (915) 563-1713		Environmental Lab of Texas, Inc.	হো



633 Seventeenth Street Suite 1550 Denver, Colorado 80202 NOV - 9 : 1

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

Lany G Sigano

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.



"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/HCI

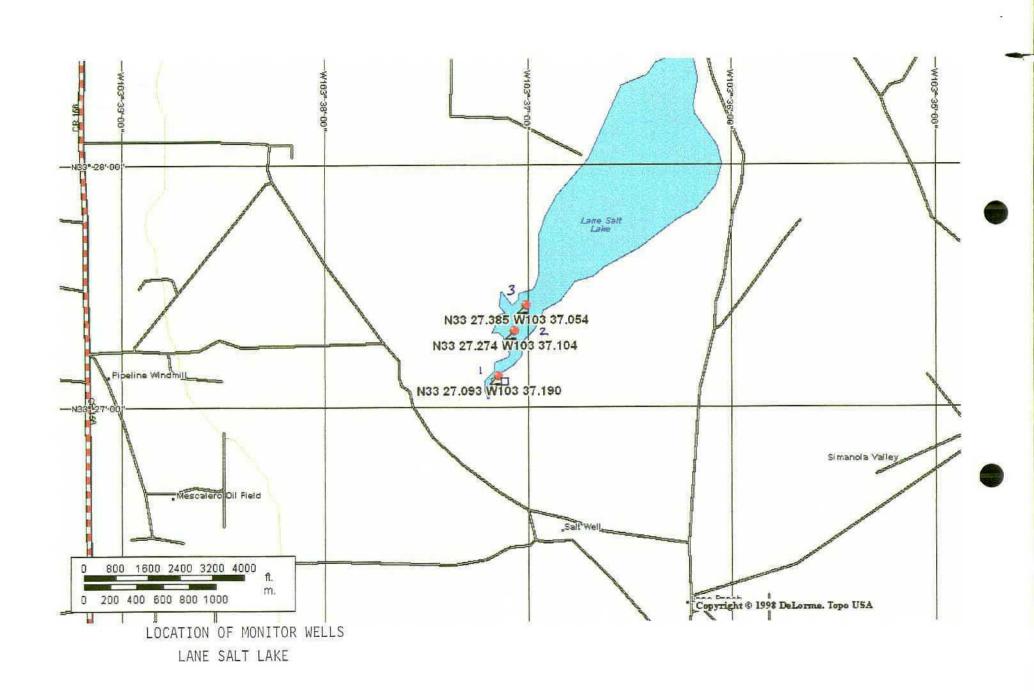
ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m.p-XYLENE mg/L	o-XYLENE mg/L	į,
15250	#1	0.392	0.002	0,001	<0.001	<0.001	
15251	#2	0.695	0.003	0.002	0.004	0.001	
15252	#3	0.002	0.002	0.001	0.004	0.002	

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

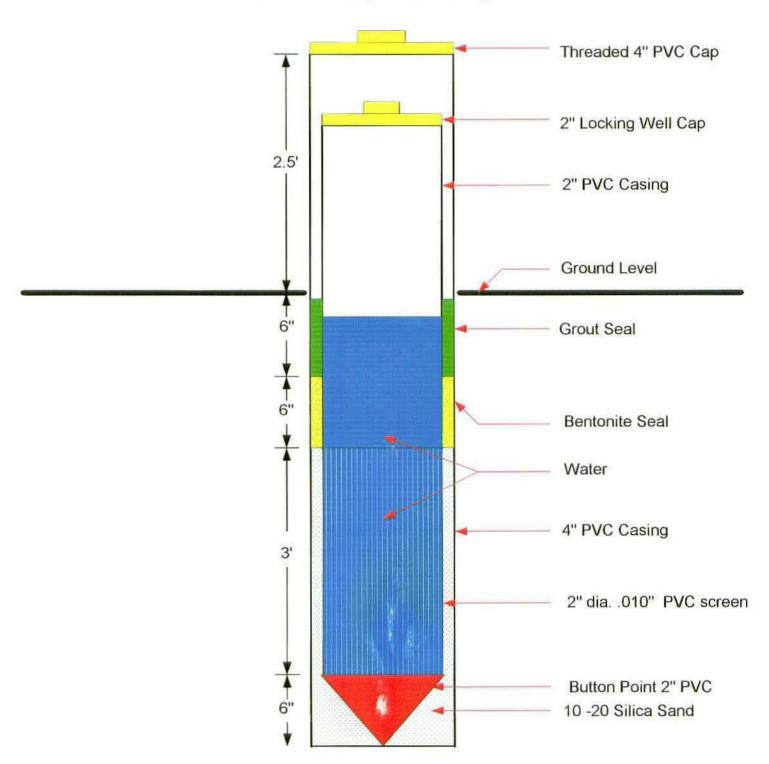
METHODS: SW 846-8020,5030, EPA 418.1

Raland K Tuttle

9-2-98



Tipperary Corporation Lane Salt Lake Monitoring Well Design





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



WHOLE EARTH ENVIRONMENTAL OUALITY 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	HCI	7 days
TPH	1 liter	clear glass	Teflon Lined	HCI	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	lce / HNO₃	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.

Page 3

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

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. Kieling Environmental Geologist

•

xc: Hobbs District Office



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

Shine & Tural

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 4me 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.



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

Lany Galyano

cc: Wayne Price, NMOCD Hobbs Office

Enclosure



WHOLE EARTH ENVIRONMENTAL OUALITY 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

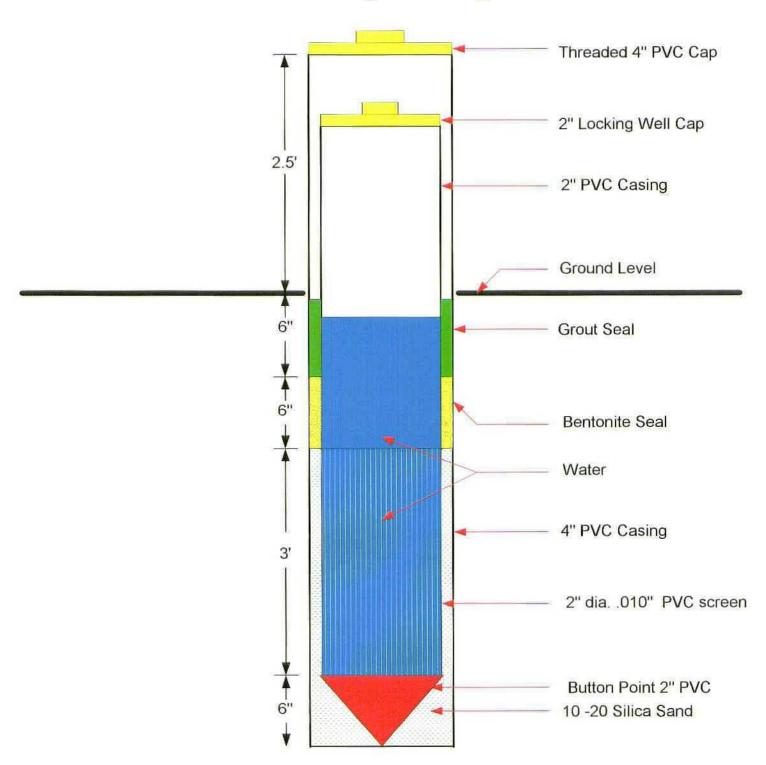
Samples shall be taken annually in accordance with WEQP-76 and analyzed for the presence and concentrations of BTEX. Once the BTEX concentrations meet the standards defined within the New Mexico WQCC standards for two consecutive sampling events, the wells will be analyzed for the presence and concentrations 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.

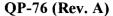
5.0 Documentation

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







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	HCI	7 days
TPH	1 liter	clear glass	Teflon Lined	HCI	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.

QP-76

- 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.

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,

William C. Olson

Hydrologist

Environmental Bureau

Enclosures

xc w/enclosures:

Wayne Price, OCD Hobbs District Office

Mike Griffin, Whole Earth Environmental, Inc.



333 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 the 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

Larry G Sugaro

Cc: Wayne Price, OCD Hobbs Office

WPWIN \ TIP \ LETTERS \ LSLPClose.L10

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 submitted to the OCD by October 1, 1997.

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

The post closure soil sampling was not conducted according to 2. 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 Therefore, the OCD requires that TC repeat the CORPORATION"). previously approved post closure soil sampling program in August of The samples will be obtained and analyzed for benzene, 1997. petroleum ethylbenzene, xylenes (BTEX) and total hydrocarbons (TPH) using appropriate EPA methods and quality A report containing the sample assurance/quality control. locations, sample results and quality assurance/quality control data will 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.



633 Seventeenth Street Suite 1550 Denver, Colorado 80202

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

Robert H. Dellman



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,

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 independent 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 circut 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 thouroughyl 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 <u>exactly</u> 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.

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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.



633 Seventeenth Street Suite 1550 Denver, Colorado 80202

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 labratory ananysis 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 inadvertant 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

Wayne Price, OCD Hobbs Office cc:

Robert H. Johlman



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

ELT# EPA SW846 8270 (mg/l) PQL 8631 QC RPD %EA %/A 76 3 Naphthalene 0.001 ND 70 95 0.001 73 3 75 91 Acenaphthylene ND 3 91 Acenaphthene 0.001 ND 73 75 73 4 81 91 Fluorene 0.001 ND 82 3 103 81 Phenanthrene 0.001 ND 73 91 Anthracene 0.001 ND 1 68 Fluoranthene 0.001 ND 74 1 76 93 101 81 4 87 ND Pyrene 0.001 70 1 74 AA Benzo[a]anthracene 0.001 ND 0.001 ND 77 3 78 96 Chrysene 70 3 88 0.001 ND 77 Benzo[b]fluoranthene 67 4 79 84 Benzo[k]fluoranthene 0.001 ND 73 3 80 91 0.001 ND Benzo [a]pyrene 73 4 78 91 0.001 ND indeno[1,2,3-cd]pyrene 93 74 3 73 0.001 ND Dibenz[a,h]anthracene 74 5 80 93 0.001 ND Benzo[g,h,l]perylene

% RECOVERY

Nitrobenzene-d5 SURR 69 75 2-Fluorobiphenyl SURR 75 Terphenyl-d14 SURR

ND= NOT DETECTED

Method: EPA SW 846 8270, 3550

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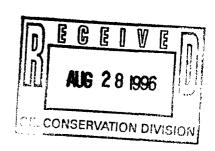
633 Seventeenth Street Suite 1550 Denver, Colorado 80202 August 26, 1996

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 2 8 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

Wayne Price, OCD Hobbs Office cc:

Robert H. Fehlman



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

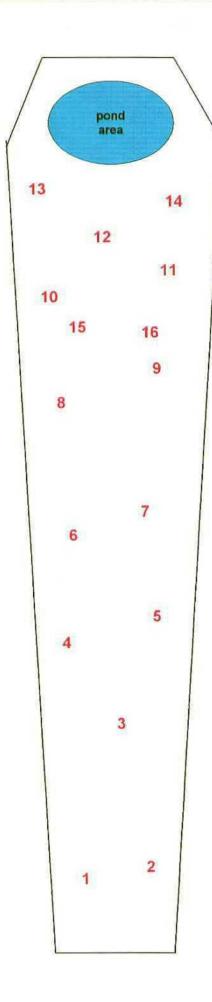
On July 18, Whole Earth was met at the location by Messrs.. Olson and Price of the New Mexico Oil Conservation Division. Duplicate water samples were obtained and analyzed for BTEX, volatile, semi-volatile compounds. The Whole Earth sample was sent to Environmental Labs of Texas in Odessa, Texas, while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

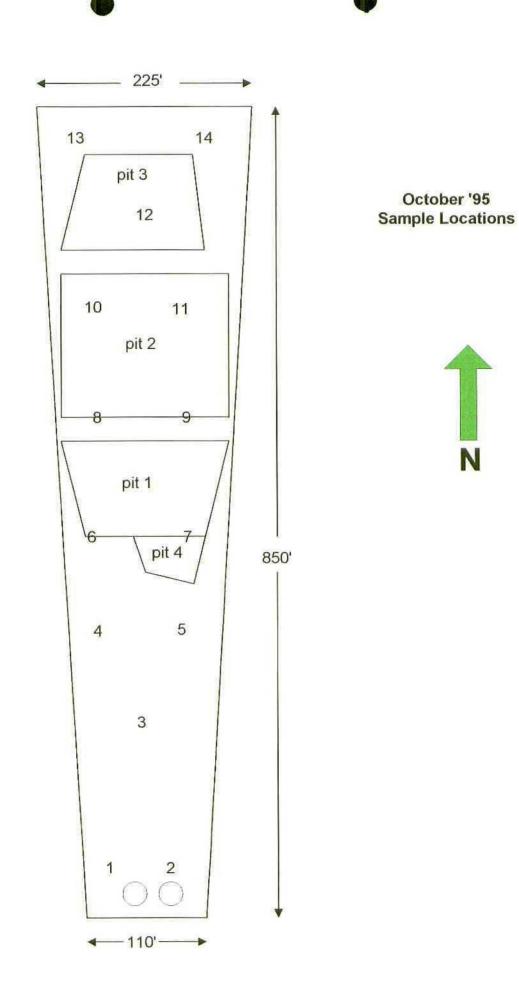
4. Monitoring

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







Well Name: _	N/A		Date	of Collection:	07 / 18 / 96
Pit Type:B	Brine Discharge		Date	of Analysis:	07 / 18 / 96
Client:Tip	perary O & G		Analy	st:M. Gri	ffin
TPH Analyzer	S/N:01159		voc	C Analyzer S/N	
Chromatograp	oh S/N92004	3			
	FPH / VOC Con				
	by means of WE				76),
	EPARATION: _	2	-		
	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

	SP # 1 @ 3'	SP # 2 @ 4'	SP# 3 @ 3'	SP # 4 @ 4'	SP # 5 @ 4'
ТРН	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).



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/N920043					
ANALYSIS: TPH / VOC Confirmation Test	ting for New Mexico Pit Closures				
ANALYTICAL METHOD: _Extraction by	Means of EPA 418.1 (WEQP-06),				
Volatilization by means of WEQP-18 & Spec	ciation by means of WEQP-19				
SAMPLE PREPARATION: Solvent Extra	action / 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).



Well Name:	N/A		Date o	f Collection:	07 / 18 / 96
Pit Type: Br	ine Discharge		Date o	of Analysis:	07 / 18 / 96
Client: Tippe	erary O & G		Analys	t:M. Grif	fin
TPH Analyzer S	S/N: 01159		VOC	Analyzer S/N:	
Chromatograph	S/N920043	3			
ANALYSIS: T	PH / VOC Conf	irmation Testi	ng for New Mex	ico Pit Closure	es
ANALYTICAL		Company of the Compan			6),
Volatilization by	y means of WE	QP-18 & Speci.	ation by means	of WEQP-19	
SAMPLE PREI	PARATION: _	Solvent Extrac	tion / Volatiliza	tion	
	SP # 10 @ 5.5'	SP # 10 @ 6'	SP# 11 @ 5.5'	SP #12 @ 3'	SP # 13 @ 3'
ТРН	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).



Well Name: _	N/A		Date of	f Collection:	07 / 18 / 96
Pit Type:B	Brine Discharge		Date o	f Analysis:	07 / 18 / 96
Client: <u>Tip</u>	perary O & G		Analys	t:M. Gri	iffin
TPH Analyzer	S/N: 01159		VOC	Analyzer S/N	:
Chromatogra	oh S/N92004.	3			
	ГРН / VOC Conf L METHOD:				
	by means of WE	The same and the s		and the second second second second	007.
	EPARATION: _				
	SP # 14 @ 6'	SP # 14 @ 5'	SP# 15 @ 5'	SP #16 @ 4'	
TPH	1,070	1,040	230	2,660	

	SP # 14 @ 6'	SP # 14 @ 5'	SP# 15 @ 5'	SP #16 @ 4'	
TPH	1,070	1,040	230	2,660	
VOC		1			
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).



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	SAMPLE					
VOLATILES (ppm)	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 CO	PUNINDE		% DECOVEDY	•		

SYSTEM MONITORING COMPOUNDS	% RECOVERY
dibromofluoromethane	106
toluene-d8	120
4-bromofluorobenzene	114

 $ND = \langle PQL$

PQL = PRACTICAL QUANTITATION LIMIT

Methods: EPA SW 846-8240, 1311

Michael R. Fowler

8-5-96

Date



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	REPORTING	ELT#				
SEMIVOLATILE ORGANICS (ppm)	LIMIT	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

8-4-7

Date



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 BLANK	8 2 <0.001	82 <0.001	75 <0.001	78 <0.001	77 <0.001

METHODS: SW 846-8020,5030

Michael R. Fowler

8-596

TORAN MOST ON The Colors of Torrest International Action



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.

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 preformed 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

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 CHROMOTOGRAPHY RESULTS

TEST

: BTEX, MTBE (EPA 8020)

CLIENT

: N.M. OIL CONSERVATION DIVISION

AEN I.D.: 607339

PROJECT#

: (none)

PROJECT NAME

: LANE LAKE

SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	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
PARAME"	TER	DET. LIMIT		UNITS	01	02	
BENZENE	=	0.5		UG/L	< 0.5	< 0.5	
TOLUEN	Ξ	0.5		UG/L	< 0.5	< 0.5	
ETHYLBE	NZENE	0.5		UG/L	< 0.5	< 0.5	
DTAL X	YLENES	0.5		UG/L	< 0.5	< 0.5	
METHYL-	t-BUTYL ETHER	2.5		UG/L	< 2.5	< 2.5	

SURROGATE:

BROMOFLUOROBENZENE (%)

109

102

SURROGATE LIMITS

(80 - 120) (80 - 120)

CHEMIST NOTES:

GAS CHROMOTOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I. D.	: BTEX, MTBE (EPA 8020) : 071996	AEN I.D.	: 607339
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	
OTAL XYLENES	UG/L	<0.5	
METHYL-t-BUTYL ETH	ER UG/L	<0.5	
SURROGATE:			
BROMOFLUOROBENZ	ENE (%)	106	
		(80 - 120)	

CHEMIST NOTES:

File: 607339.XLS; 8020 RB

GAS CHROMOTOGRAPHY QUALITY CONTROL

MSMSD

TEST

: BTEX, MTBE (EPA 8020)

MSMSD#

: 607339-01

AEN I.D.

: 607339

CLIENT

: N.M. OIL CONSERVATION DIVISION

: (none)

DATE ANALYZED :

7/19/96

PROJECT# PROJECT NAME

: LANE LAKE

SAMPLE MATRIX : AQUEOUS

PINITS

				UNITS		UG/I	_		
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	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:

(Spike Sample Result - Sample Result)

% Recovery =

----- X 100

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

X 100

Average Result

"FINAL REPORT FORMAT - SINGLE"

Accession: 607441 AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO Client: Project Number: 607339 Project Name: NMOCD LANE LAKE
POLYNUCLEAR AROMATICS BY 8310 Project Location: Test: 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. WATER Matrix: QC Level: 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 Dry Weight %: Blank: A N/A Analysis Date: 27-JUL-96 Parameter: Units: Results: Rpt Lmts: Q: ACENAPHTHENE UG/L ACENAPHTHYLENE UG/L 1 UG/L ANTHRACENE ND 1 BENZO(a) ANTHRACENE ND 1 BENZO(a) PYRENE UG/L ND BENZO (b) FLUORANTHENE UG/L ND 1 BENZO(g,h,i) PERYLENE BENZO(k) FLUORANTHENE UG/L ND 1 UG/L ND CHRYSENE UG/L ND 1 UG/L DIBENZO (a, h) ANTHRACENE ND 1 FLUORANTHENE UG/L FLUORENE UG/L ND ī INDENO(1,2,3-cd) PYRENE UG/L ND 1 NAPHTHALENE UG/L 2 PHENANTHRENE UG/L ND 1 **PYRENE** UG/L ND 1 1-METHYLNAPHTHALENE UG/L 8 2-METHYLNAPHTHALENE UG/L 2-CHLOROANTHRACENE %REC/SURR 117 28-138

INITIALS

BV

Comments:

ANALYST

"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 ACENAPHTHYLENE FLUORANTHENE NAPHTHALENE 1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE	UG/L UG/L UG/L UG/L UG/L UG/L	4 2 1 2 8 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 D	ate Extracted:	23-JUL-96
Parameters:	Units:	Results:	Reporting Limits:
ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE BENZO(a) ANTHRACENE BENZO(b) FLUORANTHENE BENZO(b) FLUORANTHENE BENZO(c) FLUORANTHENE BENZO(c) FLUORANTHENE CHRYSENE DIBENZO(a, h) ANTHRACENE FLUORANTHENE FLUORENE INDENO(1,2,3-cd) PYRENE NAPHTHALENE PHENANTHRENE PYRENB 1-METHYLNAPHTHALENE 2-CHLOROANTHRACENE	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
BENZO (K) FLUORANTHENE CHRYSENE DIBENZO (a,h) ANTHRACENE FLUORANTHENE FLUORENE INDENO (1,2,3-cd) PYRENE NAPHTHALENE PHENANTHRENE PYRENE 1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	ND ND ND ND ND ND ND ND ND ND ND	1 1 1 1 1 1 1 1 1 1 1 1 28-138

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: ACENAPHTHYLENE BENZO(k) FLUORANTHENE CHRYSENE PHENANTHRENE PYRENE	Spike Added 10.0 10.0 10.0 10.0	Sample Conc <1 <1 <1 <1 <1	RS Conc 8.9 9.3 9.4 9.0	RS %Rec 89 93 94 90 88	RSD Conc 10.2 10.1 9.9 9.6 9.2	RSD %Rec 102 101 99 96 92	RPD 14 8 5 6 4	RPD Lmts 46 30 29 28 26	Rec Lmts 46-110 58-128 62-129 61-116 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		Analyzed: Analyzed			MS Date MSD Dat				3-JUL-96 3-JUL-96
Parameters: ACENAPHTHYLENE BENZO(k) FLUORANTHENE CHRYSENE PHENANTHRENE PYRENE	Spike Added 10.0 10.0 10.0 10.0	Sample Conc 2 <1 <1 <1 <1	MS Conc 8.6 8.4 8.5 8.4	MS %Rec 66 84 85 84 84	MSD Conc 8.7 9.2 9.1 8.8 9.6	MSD %Rec 67 92 91 88 96	RPD 2 9 7 5	RPD Lmts 42 58 51 55 47	Rec Lmts 14-135 25-142 3-176 27-146 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.

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).

I/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).

- STEVE WILHITE SW

- PAUL LESCHENSKY

RW - ROBERT WOLFE

BV - BEN VAUGHN

- BETH COLEMAN BC KS

- KENDALL SMITH

KK = KERRY KUST DWB = DAVID W. BOWERS RP = ROB PEREZ

JBT - JENNIFER TORRANCE

PLEASE FILL THIS FORM IN COMPLETELY. Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia P.O. NO.: SHIPPED VIA: POJ. NAME PROJ. NO.: PROJECT MANAGER: BILL TO: FAX: PHONE: COMPANY: **ADDRESS** COMPANY ADDRESS 1. td APRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS METHANOL PRESERVATION [] CERTIFICATION REQUIRED: [] NM (RUSH) □ 24hr アロア 630 ☐ 48hr 2 ☐ 72hr ç A 5 ☐1 WEEK []SDWA Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct/Inject OTHER (M8015) Gas/Purge & Trap Gasoline/BTEX & MTBE (M8015/8020) 3 **BTXE/MTBE (8020)** (NORMAL) BTEX & Chlorinated Aromatics (602/8020 BTEX/MTBE/EDC & EDB (8020/8010/Short) Chlorinated Hydrocarbons (601/8010) ANALYSIS REQUESTS HELINQUISHED BY: Company rinted Name: 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) 75,86/ 75 25 Base/Neutral/Acid Compounds GC/MS (625/8270) General Chemistry: Printed Name: Signature: Company RELINQUISHED Priority Pollutant Metals (13) Target Analyte List Metals (23) BY: Date: 3 RCRA Metals (8) RCRA Metals by TCLP (Method 1311) Metals:

American Environmental Network (NM), Inc.

AEN Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107

DISTRIBUTION: White, Canary - AEN

PLEASE FILL THIS FORM IN COMPLETELY.

SHADED AREAS ARE FOR LAB USE ONLY.

Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia American Environmental Network (NM), Inc.

AEN LAB I.D

00

NUMBER OF CONTAINERS

RECEIVED INTACT CUSTODY SEALS SHIPPED VIA: P.O. NO.: PROJ. NAME AND PROJ. NO.: NO. CONTAINERS PROJECT MANAGER: BILL TO: FAX: PHONE: **ADDRESS ADDRESS** COMPANY COMPANY: Ō **SAMPLE RECEIPT** PROJECT INFORMATION SAMPLE ID Y/N/NA 8×7 -DATE COMMENTS METHANOL PRESERVATION (CERTIFICATION REQUIRED: (RUSH) □24hr PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS Bon 630 []] 48hr Wiles 250 MATRIX 9 [] 72hr MN LAB I.D 9 0 1 WEEK SDWA Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct/Inject OTHER (M8015) Gas/Purge & Trap Gasoline/BTEX & MTBE (M8015/8020) 3 BTXE/MTBE (8020) (NORMAL) BTEX & Chlorinated Aromatics (602/8020) BTEX/MTBE/EDC & EDB (8020/8010/Short) Chlorinated Hydrocarbons (601/8010) Printed Name: Company Signature Company EDB □ / DBCP □ RELINQUISHED RECEIVED BY: **ANALYSIS REQUEST** Polynuclear Aromatics (610/8310) Volatile Organics (624/8240) GC/MS Volatile Organics (8260) GC/MS BY: Date: lime: Pesticides/PCB (608/8080) Herbicides (615/8150) 748 /2 15/81 Base/Neutral/Acid Compounds GC/MS (625/8270) General Chemistry: Company: Printed Name Signature: RELINQUISHED BY: RECEIVED BY: (LAB) Priority Pollutant Metals (13) Target Analyte List Metals (23) Date RCRA Metals (8) Time RCRA Metals by TCLP (Method 1311) Metals:

AEN Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107

DISTRIBUTION: White, Canary - AEN Pink - ORIGINATOR

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.

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 Project Number LANE LAKE

(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 preformed 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

H Mitall Ruber

MR: mt

Enclosure

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 CHROMOTOGRAPHY RESULTS

TEST

: BTEX, MTBE (EPA 8020)

CLIENT

: N.M. OIL CONSERVATION DIVISION

AEN I.D.: 607339

PROJECT#

: (none)

PROJECT NAME

: LANE LAKE

SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	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
PARAME	TER	DET. LIMIT		UNITS	01	02	
BENZEN	E	0.5		UG/L	< 0.5	< 0.5	
TOLUEN	E	0.5		UG/L	< 0.5	< 0.5	
ETHYLB	ENZENE	0.5		UG/L	< 0.5	< 0.5	
TOTAL X	YLENES	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 CHROMOTOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I. D.	: BTEX, MTBE (EPA 8020) : 071996	AEN I.D.	: 607339
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 ETHE	ER UG/L	<0.5	
SURROGATE:			
BROMOFLUOROBENZI	ENE (%)	106	
		(80 - 120)	

CHEMIST NOTES:

GAS CHROMOTOGRAPHY QUALITY CONTROL

MSMSD

TEST

: BTEX, MTBE (EPA 8020)

MSMSD#

: 607339-01

AEN I.D.

: 607339

CLIENT

: N.M. OIL CONSERVATION DIVISION

DATE ANALYZED :

7/19/96

PROJECT#

: (none)

SAMPLE MATRIX :

PROJECT NAME

: LANE LAKE

LIMITS

AQUEOUS LIG/I

				CIVITS	•	UGA	L.		
	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	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:

(Spike Sample Result - Sample Result)

% Recovery =

Spike Concentration

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) =

Average Result

X 100

Printed: 8/1/96; 12:52

Confidential

File: 607339.XLS; 8020 MS MSD

"FINAL REPORT FORMAT - SINGLE"

Accession: Client: Project Number: Project Name: Project Location: Test: Analysis Method: Extraction Method: Matrix: QC Level:	LANE LAKE POLYNUCLEAR ARO	MATICS BY 83	10		ste, SW-84 ste, SW-84	6, 3rd E 6, 3rd E
Lab Id: Client Sample Id:	001 607339-01		Sample Dat Received I		18-JUL-96 20-JUL-96	
Batch: PAW130 Blank: A	Dry Weight %:	N/A	Extraction Analysis l		23-JUL-96 27-JUL-96	
Parameter:		Units:	Results:	Rpt Lm	nts: Q:	
ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE BENZO (a) ANTHRACENE BENZO (b) FLUORANTHE BENZO (c) FLUORANTHE BENZO (k) FLUORANTHE CHRYSENE DIBENZO (a, h) ANTHRA FLUORANTHENE FLUORENE INDENO (1,2,3-cd) PY NAPHTHALENE PHENANTHRENE PHENANTHRENE PYRENE 1-METHYLNAPHTHALEN 2-CHLOROANTHRACENE ANALYST	NE NE NE CENE RENE E	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	4 2 ND ND ND ND ND ND ND ND ND ND ND ND ND	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Comments:

"Method Report Summary"

Accession Number: 607441 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO Project Number: 607339

Project Number: 607339
Project Name: NMOCD
Project Location: LANE LAKE
Test: POLYNUCLEAR AROMATICS BY 8310

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

	its: Results:	Banana I dankar
Parameters: Ur		Reporting Limits:
ACENAPHTHENE ACENAPHTHYLENE UC ACENAPHTHYLENE UC ANTHRACENE BENZO (a) ANTHRACENE BENZO (b) FLUORANTHENE BENZO (c) FLUORANTHENE UC BENZO (c) FLUORANTHENE UC CHRYSENE UC CHRYSENE UC DIBENZO (a, h) ANTHRACENE FLUORANTHENE UC FLUORANTHENE UC INDENO (1, 2, 3 - cd) PYRENE UC NAPHTHALENE PHENANTHRENE PYRENE UC 1-METHYLNAPHTHALENE UC 2-METHYLNAPHTHALENE	L ND	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Comments:

"QC Report"

Title:

Water Reagent PAW130

Batch: PAW

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: RSD Date Analyzed:	26-JUL-96 26-JUL-96				ate Extr Date Ext			-JUL-	
Parameters: ACENAPHTHYLENE BENZO(k)FLUORANTHENE CHRYSENE PHENANTHRENE PYRENE	Spike Added 10.0 10.0 10.0 10.0	Sample Conc <1 <1 <1 <1 <1	RS Conc 8.9 9.3 9.4 9.0 8.8	RS %Rec 89 93 94 90 88	RSD Conc 10.2 10.1 9.9 9.6 9.2	RSD %Rec 102 101 99 96 92	RPD 14 8 5 6 4	RPD Lmts 46 30 29 28 26	Rec Lmts 46-110 58-128 62-129 61-116 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		Analyzed: Analyzed			MS Date MSD Date				3-JUL-96 3-JUL-96
Parameters: ACENAPHTHYLENE BENZO(k)FLUORANTHENE CHRYSENE PHENANTHRENE PYRENE	Spike Added 10.0 10.0 10.0 10.0	Sample Conc 2 <1 <1 <1	MS Conc 8.6 8.4 8.5 8.4	MS %Rec 66 84 85 84	MSD Conc 8.7 9.2 9.1 8.8 9.6	MSD %Rec 67 92 91 88 96	RPD 2 9 7 5	RPD Lmts 42 58 51 55 47	Rec Lmts 14-135 25-142 3-176 27-146 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.

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

PLEASE FILL THIS FORM IN COMPLETELY. 4/1/96 AEN Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107 SHIPPED VIA: P.O. NO.: PROJ. NAME TO A PROJECT MANAGER: PROJ. NO.: A PROJECT I PRODUCTION OF BILL TO: FAX: PHONE: ADDRESS: ADDRESS: COMPANY COMPANY: 4 EPRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS: CERTIFICATION REQUIRED: NM (RUSH) □ 24hr □ 48hr METHANOL PRESERVATION 630 200 MATRIX 9 ☐ 72hr LAB I.D. 1 WEEK □ SDWA Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct/Inject □ OTHER (M8015) Gas/Purge & Trap Gasoline/BTEX & MTBE (M8015/8020) **BTXE/MTBE (8020)** (NORMAL) BTEX & Chlorinated Aromatics (602/8020) BTEX/MTBE/EDC & EDB (8020/8010/Short) Chlorinated Hydrocarbons (601/8010) RELINQUISHED BY: Company Printed Name: EDB□ / DBCP□ 504 Polynuclear Aromatics (610/8310) Volatile Organics (624/8240) GC/MS Volatile Organics (8260) GC/MS B REQUESTS! Time: Pesticides/PCB (608/8080) Herbicides (615/8150) DISTRIBUTION: White, Base/Neutral/Acid Compounds GC/MS (625/8270) General Chemistry: Printed Name Signature: RELINQUISHED Priority Pollutant Metals (13) Ž Target Analyte List Metals (23) BY: Date **RCRA Metals (8)** 1 RCRA Metals by TCLP (Method 1311) Metals:

American Environmental Network (NM), Inc. Albuquerque · Phoenix · Pensacola · Portland · Pleasant Hills · Columbia

PLEASE FILL THIS FORM IN COMPLETELY.

SHADED AREAS ARE FOR LAB USE ONLY.

American Environmental Network (NN Albuquerque · Phoenix · Pensacola · Portland · Pleasant Hills · Project Manager: (2) (2) On

CHAIN OF CUSTODY

AEN LAB I.D. 733

NUMBER OF CONTAINERS

P.O. NO.: PROJECT MANAGER: SHIPPED VIA: PROJ. NO. PROJ. NAME CUSTODY SEALS O, CONTAINERS ECEIVED INTACT BILL TO: FAX: PHONE: 100 TS ADDRESS COMPANY: ADDRESS: COMPANY: 81109 PROJECT INFORMATION **SAMPLE ID** مرمعد Y/N (W) O de nou CERTIFICATION REQUIRED: METHANOL PRESERVATION (RUSH) □ 24hr PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS 630 ☐ 48hr wster 500 M MATRIX 9 [_] 72hr □ MN LAB <u>ا</u> 0 ال 1 WEEK SDWA Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct/Inject □ OTHEF (M8015) Gas/Purge & Trap Gasoline/BTEX & MTBE (M8015/8020) S BTXE/MTBE (8020) (NORMAL) BTEX & Chlorinated Aromatics (602/8020) BTEX/MTBE/EDC & EDB (8020/8010/Short) Chlorinated Hydrocarbons (601/8010) Printed Name: Signature: Company EDB□ / DBCP□ 504 RECEIVED BY: RELINQUISHED BY: ANALYSIS REQUEST Polynuclear Aromatics (610/8310) Volatile Organics (624/8240) GC/MS Volatile Organics (8260) GC/MS Date Pesticides/PCB (608/8080) Herbicides (615/8150) 18/8/ Base/Neutral/Acid Compounds GC/MS (625/8270) General Chemistry: Company: Printed Name: Signature RECEIVED BY: (LAB) RELINQUISHED BY: Priority Pollutant Metals (13) Target Analyte List Metals (23) Date Time RCRA Metals (8) RCRA Metals by TCLP (Method 1311) Metals:

þ

AEN Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albuquerque, New Mexico 87107





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 &0202

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, BURROW 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

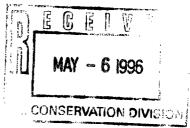
Linda Freedman, NM State Land Office

Mike Griffin, Whole Earth Environmental, Inc.



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 <u>all</u> 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)

Robert H. Fohlmann

4. Closure Plan Addendum



WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Sampling and Testing Protocol Tipperary Lane Salt Lake MonitoringPlan

					_
Completed By:	Approved By:	Effective Date:	/	/	

1.0 Purpose

This procedure is to be used to measure the concentrations of contaminates 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. Secondarially, 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 <u>Lane Salt Lake Water Disposal Pits Pit Closure Project</u> 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 immediatly 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.Wer	ner
TPH Analyzer S/N:01159	VOC Analyzer S/N:	
Chromatograph S/N <u>SA 920043</u>		
ANALYSIS: TPH / VOC Confirmation Testin	ng for New Mexico Pit Closur	es
ANALYTICAL METHOD: Extraction by M Volatilization by means of WEQP-18 & Specia		06),
SAMPLE PREPARATION: Solvent Extrac	tion / Volatilization	

	Sample # 1 Tank Area N. Wall @ 6'	Sample # 2 Tank Area S. Wall @ 6'	Sample # 3 Tank Area E. Wall @ 6'	Sample # 4 TankArea W. Wall @ 8'	Sample # 5 TankArea 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).



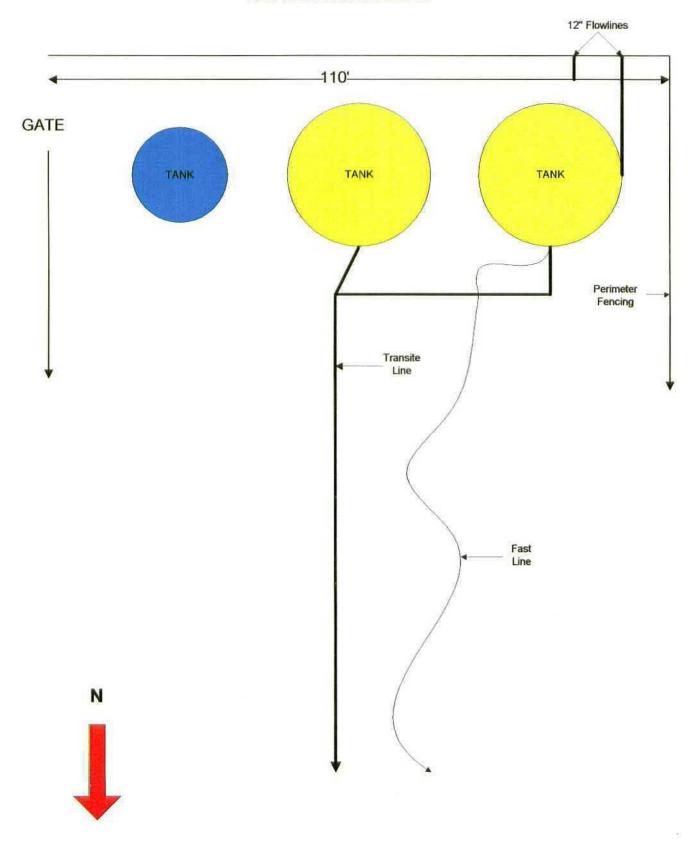
ANALYTICAL REPORT FORM

Well Name:	N/A		Date of C	Collection:	10/05/95	
Pit Type: Bri	Date of	Date of Analysis: 10 / 05 / 95				
Client:Tipperary O & G Analyst:E.Werner						
TPH Analyzer S	TPH Analyzer S/N: VOC Analyzer S/N:					
Chromatograph	S/N SA 9200	43				
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 Sample # 7 Sample # 8						
	Tank Area Bottom @ 6'	Tank Area Bottom @ 12'	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

12" Flowlines

GATE

3 5 6 7 8 4

Perimeter Fencing



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	g for New Mexico Pit Closures
ANALYTICAL METHOD: Extraction by Me	eans of EPA 418.1 (WEQP-06),
Volatilization by means of WEQP-18 & Speciat	ion by means of WEQP-19
SAMPLE PREPARATION: Solvent Extraction	on / 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



Well Name: N/A	Date of Collection:	10 / 05 / 95	
Pit Type: Brine Discharge	Date of Analysis:		
Client: Tipperary O & G	Analyst: E.Werr	ner	
TPH Analyzer S/N: 01159	VOC Analyzer S/N: _		
Chromatograph S/N SA 920043			
ANALYSIS: TPH / VOC Confirmation Testing	g for New Mexico Pit Closure	es	
ANALYTICAL METHOD: <u>Extraction by M</u> Volatilization by means of WEQP-18 & Special	The state of the s	06),	
SAMPLE PREPARATION: Solvent Extraction	on / Volatilization		
Sample # 6 Sample # 7	Sample # 8 Sample # 9	Sample # 10	

	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'
ТРН	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



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.Wer	ner	
TPH Analyzer S/N:01159	VOC Analyzer S/N:		
Chromatograph S/N SA 920043			
ANALYSIS: TPH / VOC Confirmation Testing f	for New Mexico Pit Closui	res	
ANALYTICAL METHOD: Extraction by Mea Volatilization by means of WEQP-18 & Speciation	THE PROPERTY OF THE PROPERTY O		
SAMPLE PREPARATION: Solvent Extraction	n / 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

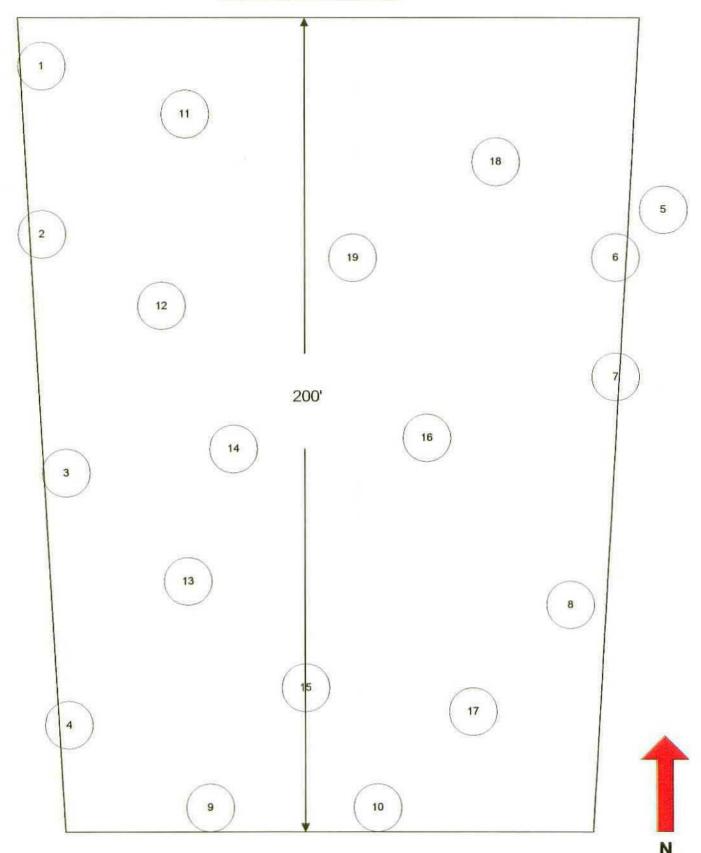


Well Name: N/A	Date of Collection:	10 / 05 / 95
Pit Type: Brine Discharge	Date of Analysis:	10 / 05 / 95
Client: Tipperary O & G	Analyst:E.Wer	ner
TPH Analyzer S/N:01159	VOC Analyzer S/N:	
Chromatograph S/N SA 920043		
ANALYSIS: TPH / VOC Confirmation Testing for	or New Mexico Pit Closur	es
ANALYTICAL METHOD: Extraction by Mean		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'	# All
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

PIT # 1 SAMPLING LOCATIONS





Well Name: _	N/A		Date o	f Collection:	10 / 05 / 95
Pit Type: Brine Discharge			Date of Analysis:		10 / 05 / 95
Client: Tip	perary O & G	=	Analys	t:E.Wern	ner
TPH Analyzer S/N: VOC Analyzer S/N:					
Chromatograp	ph S/N <u>SA 9200</u>	43			
	TPH / VOC Conf				
	L METHOD: by means of WE			CONTRACTOR CONTRACTOR	6),
	EPARATION: _				2
	Sample # 1	Sample # 2	Sample # 3	A CONTRACTOR AND THE PARTY OF T	Sample # 5
	Carlotte and Activities to the Miles of Miles	W.Wall @ 6'	Pit # 2 W.Wall @ 8'	Pit # 2 W.Wall @ 6'	A A SAN THE SAN THE WAY TO SAN THE SAN
TPH	2,560	4,310	1,120	765	4,120

4

N/D

N/D

N/D

N/D

N/D

N/D

N/D

N/D

N/D

N/D

2

N/D

N/D

N/D

Temperature of sample: 72 °F

Benzene

Toluene

Ethyl-Benzene

Xylene

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

N/D

N/D

N/D

N/D



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.Wer	ner
TPH Analyzer S/N: 01159	VOC Analyzer S/N:	
Chromatograph S/N SA 920043		
ANALYSIS: TPH / VOC Confirmation Testing f	or New Mexico Pit Closur	res
ANALYTICAL METHOD: Extraction by Mea Volatilization by means of WEQP-18 & Speciation		06),
SAMPLE PREPARATION: Solvent Extraction	n / 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'
ТРН	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



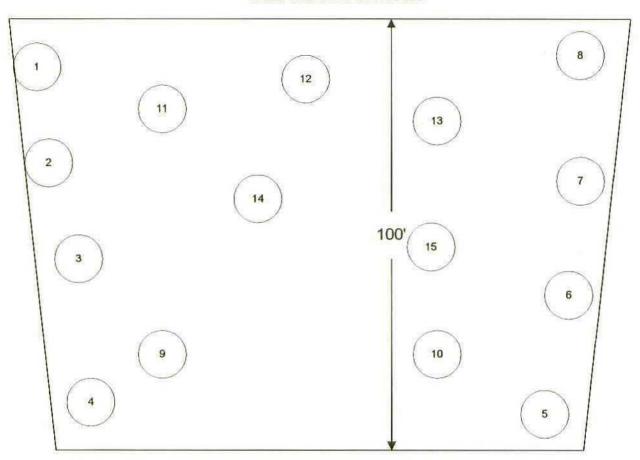
Well Name:	N/A		Date of Collection: 10 / 05 /				
Pit Type: Brine Discharge			Date of Analysis: 10 / 05 / 99				
Client: Tippe	erary O & G		Analyst:E.Werner				
TPH Analyzer S/N: VOC Analyzer S/N:							
Chromatograph	S/N SA 9200)43					
ANALYSIS: T	PH / VOC Con	firmation Test	ing for New Mo	exico Pit Closur	res		
ANALYTICAL	METHOD:	Extraction by	Means of EPA	418.1 (WEQP-	06),		
Volatilization b	y means of WE	QP-18 & Spec	iation by mean	s of WEQP-19			
SAMPLE PREI	PARATION: _	Solvent Extra	ction / Volatiliz	zation			
	Sample # 11 Pit # 2	Sample # 12 Pit # 2	Sample # 13 Pit # 2	Sample # 14 Pit # 2	Sample # 15 Pit # 2		
	Bottom @13'			Carried St. Company of the Company o	ESCHARLES TO MANUAL SERVICE SERVICE		
TPH	1,230	3,470	654	970	654		

N/D N/D N/D N/D 2 Benzene N/D N/D N/D N/D Toluene N/D Ethyl-Benzene N/D N/D N/D N/D N/D 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).

PIT # 2 SAMPLING LOCATIONS







Well Name: N/A			Date	of Collection:	10 / 05 / 95
Pit Type:B	rine Discharge		Date	of Analysis:	10 / 05 / 95
Client: <u>Tip</u>	perary O & G		Analy	yst: E.Wer	ner
TPH Analyzer	S/N: 01159		VOC	Analyzer S/N: _	
Chromatograp	oh S/N <u>SA 9200</u>	043			
ANALYSIS:	FPH / VOC Con	firmation Test	ing for New Mo	exico Pit Closur	es
	L METHOD: _			Control of the Contro	06),
Volatilization	by means of WE	QP-18 & Spec	iation by mean	s of WEQP-19	
SAMPLE PRI	EPARATION: _	Solvent Extra	ction / Volatiliz	zation	
	Sample # 1 Pit # 3	Sample # 2 Pit # 3	Sample # 3 Pit # 3	Sample # 4 Pit # 3	Sample # 5 Pit # 3
	E.Wall @ 4'	E.Wall @ 5'	E.Wall @ 5'	N.Wall @ 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 N/D N/D 1 Ethyl-Benzene N/D N/D N/D N/D N/D N/D **Xylene** N/D

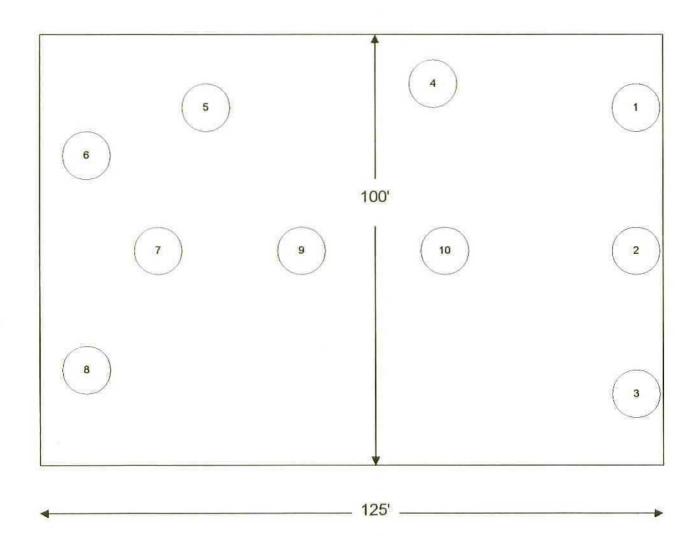
Temperature of sample: 72 °F



Well Name:	N/A		Date	of Collection:	10 / 05 / 95		
Pit Type:Br	ine Discharge		Date	of Analysis:	10 / 05 / 95		
Client: Tippe	erary O & G		Analyst:E.Werner				
TPH Analyzer S	S/N: 01159		VOC	Analyzer S/N: _			
Chromatograph	S/N SA 9200)43					
ANALYSIS: T	PH / VOC Con	firmation Test	ing for New M	exico Pit Closur	res		
ANALYTICAL	A CHIEF CONTRACTOR OF THE PARTY.	The state of the s	Total Control of the State of t	THE RESERVE THE PROPERTY OF THE PARTY OF THE	06),		
Volatilization by	y means of WE	CQP-18 & Spec	<u>iation by mean</u>	s of WEQP-19			
SAMPLE PREI	PARATION: _	Solvent Extra	ction / Volatiliz	zation			
	Sample # 6 Pit # 3 W.Wall @ 4'	Sample # 7 Pit # 3 W.Wall @ 4'		Sample # 9 Pit # 3 Bottom @ 12'	Sample # 10 Pit # 3 Bottom @ 12'		
ТРН	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

PIT # 3 SAMPLING LOCATIONS



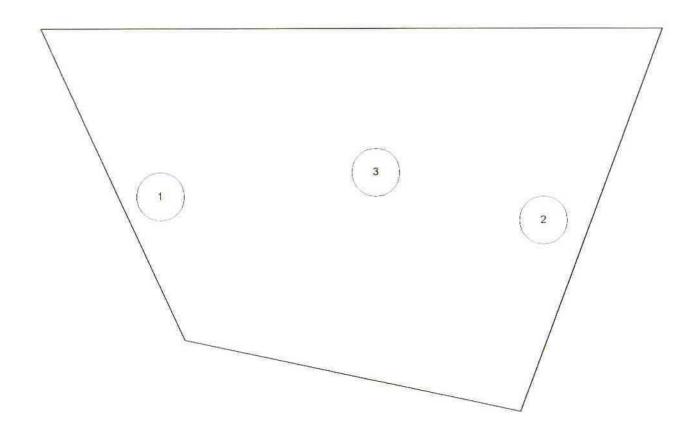




Well Name: N/A			Date of Collection	on: 10/05/95
Pit Type:Bri	ine Discharge		Date of Analysi	s: 10/05/95
Client: Tippe	erary O & G		Analyst:E.	Werner
TPH Analyzer S	S/N: 01159		VOC Analyzer S	/N:
Chromatograph	S/N SA 92004	3		
ANALYSIS: TI	PH / VOC Confi	irmation Testir	g for New Mexico Pit C	losures
	- What was a second of the sec	The state of the s	leans of EPA 418.1 (WE tion by means of WEQI	THE RESERVE TO SERVE THE PARTY OF THE PARTY
SAMPLE PREI	PARATION:	Solvent Extract	tion / Volatilization	
	Sample # 1 Pit # 4 W.Wall @ 15'	Pit#4	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

PIT # 4 SAMPLING LOCATIONS





SUPERIOR-102

GANDY CORPORATED

1109 E. Broadway

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

№ 87602

AUTHORIZATION FOR WORK YOUR NO. _ 510 Tipperary Dil & Gas LEASE LAME LAKE SUCA MAIL INVOICE TO _ WELL _ DESCRIPTION OF WORK HAUL 12 YARDS to CRI Equipment Used Dump Truck @ \$ 40.00 Hrs. worked 5/2 @ \$ 15,00 Hrs. worked 1240. Equipment Used ___ @ \$______ Hrs. worked 5 1/2 Total ______ @ \$ _____ Hrs. worked ___ ____ Total Sub Total 4.00.00 Roustabout_ _____ Hrs. worked _____ Roustabout _ Hrs. worked _____ Roustabout _ Hrs. worked ___ Roustabout Hrs. worked ___

Approved by ___

	DX 369 • HOBBS NEW N (505) 393-1079	//LAICO 8824 (
EASE OPERATOR/COMPANY	からとりかりに 0:	1 > 6,05
EASE NAME LANZ	TAYE SLD	
RANSPORTER COMPANY: CA	n) 4	TIME: A 1 1 S AM/PN
ATE // TOOKS	VEHICLE No.:510	DRIVER No.
LIPRODUCTION WATER TANK BOTTOMS LOTHER MATERIAL DESCRIPTIONS	TYPE OF MATERIAL [] DRILLING FLUIDS CONTAMINATED SOIL	[] COMPLETION FLUIDS. [] C ² 117 No.:
《美国报告》		
OLUME OF MATERIAL () BBL	S (Å) YARI	12 日本

te - CRI Accounting

Pink - CRI Accounting

Gold - Transporter

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews -:- Winch Trucks

№ 89633 NMSCC #14225 AUTHORIZATION FOR WORK MAIL INVOICE TO _ anded sipe & said to CR I DESCRIPTION OF WORK

Equipment Used Dury Juck	@ \$ <i>40,00</i> Hrs. worked _ <i>j2</i>	4 Total 500.00
Equipment Used	@\$ 15, 00 Hrs. worked 24	4 do Total 360.00
Pusher Steven many	_ @ \$ Hrs. worked	7_ Total
Labor	@ \$ Hrs. worked	Total
Roustabout	Hrs. worked	Sub Total 8.60.00
Roustabout	Hrs. worked	Sales Tax 51.06
Roustabout	Hrs. worked	TOTAL 911.06
Roustabout	_ Hrs. worked	
	Approved by	

SUPERIOR-102

P.O. BOX 369 • HOBBS, NEW N (505) 393-1079	MEXICO 88241
CEASE OPERATORICOMPANY / - OCT 12 11 12	0.1.4.2.D/
LEASE NAME OF ANY ALE SUIT	
TRANSPORTER COMPANY (2 5 2 4	TIME: 5, 30 18 AN AMP
DATE / VEHICLE No.:	DRIVER No.
TYPE OF MATERIAL PRODUCTION WATER DRILLING FLUIDS TANK BOTTOMS CONTAMINATED SOIL OTHER MATERIAL DESCRIPTION	[] COMPLETION FLUIDS [] C-1-17-No.
VOLUME OF MATERIAL* [] BBLS	0 12
THIS WILL CERTIFY that the above Transporter loaded Statement at the above described location, and that it was tendered by that no additional materials were added to this load, and that the ma	the above described shipper. This will cert
(SIGNATURE)	13.14 以此代的知识的知识为维护的文化的证据

89632

CONTROLLED RECOVERY INC.
P.O. BOX 369 HOBBS, NEW MEXICO 88241

		(505) 393	-1079		
LEASE OPERAT	OR/COMPANY:	T. DPar	214 0	1760	÷ \$
LEASE NAME:	Lane	1dice	SLU	0	
TRANSPORTER	COMPANY:	Garal		TIME:	(200AM/R)
DATE: //	179 TV	EHICLE No.:	7507	DRIVER No::	
		TYPE OF MA	TERIAL		
PRODUCTION TANK BOTT	OMS im	DRILLING FLU PGCNTAMINAT		C-11C	ETION FLINDS 7
DESCRIPTION	· · · · · · · · · · · · · · · · · · ·	Course	6 //le	William .	
VOLUME OF MA	TERIAL [] BBLS	;	[A] YARO		[]
Statement at the	WILL CERTIFY that the above described location is materials were added to	, and that it was te	endered by the ab	ove described	shipper. This will certif
DRIVER:	ATURE)	ام المجام الماسية الماسية			
(SIGNA	ATURE)	75	0/11	/	
FACILITY REPR	ESENTATIVE:	1	1/1/1	1	
%0 2	DSDS (SIGNATU	JRE)	1		
White ~CRI 8-25251	Canary - CRI Acc	ounting	Pink - CRI Acc	ounting _.	Gold - Transporte
		•			•

CONTROLLE	D RECOVERY	(INC. 8963)	••••
	OBBS, NEW MEX		. :
	5) 393-1079		
LEASE OPERATOR/COMPANY: 7:000/S	2/y O,	14995	
LEASE NAME:	e Su	10	
TRANSPORTER COMPANY: Ga	~ Py	TIME: / ZOO AM	(PM
DATE: // / 79' VEHICLE N	o.: 550c	DRIVER No.:	
[] PRODUCTION WATER [] DRILLIN	OF MATERIAL IG FLUIDS MINATED SOIL	LICOMPLETION FLYIDS T	3
VOLUME OF MATERIAL []. BBLS.	:		
THIS WILL CERTIFY that the above Tra Statement at the above described location, and that it that no additional materials were added to this load, DRIVER: (SIGNATURE) FACILITY REPRESENTATIVE:	t was tendered by the	above described shipper. This will ce	
20005 (SIGNATURE)			
White - CRI Canary - CRI Accounting	Pink - CRI A	occounting Gold - Transpo	orter .

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews -:- Winch Trucks

Nº 89632

	NMSCC #14225	11-03032
Date 11-17-95	AUTHORIZATION FOR WORK	
, , , , ,	,	YOUR NO. 507
COMPANY Sipperary	LEASE Jane	Lake Sw)
MAIL INVOICE TO		WELL
DESCRIPTION OF WORK	ful pipe + materials	to CRI.
	4	
Equipment Used Survey Trus	@ \$ <u>40,00</u> Hrs. worked	12/2 Total 500,00
Equipment Used		24 y Total 360,00
Pusher Fary Solbery	@ \$ Hrs. worked	12/2 Total
Labor	@ \$ Hrs. worked	Total
Roustabout	Hrs. worked	Sub Total 86000
Roustabout	Hrs. worked	Sales Tax
Roustabout	Hrs. worked	TOTAL TIPO 6
Roustabout	Hrs. worked	·
	Approved by	
SUPERIOR-102		

		CONTRO	LLED REC	VERYING	- 8	9632
•		P.O. BOX 369	the second secon		241	
			(505) 393-107) (%)		
LEAS	E OPERATOR/COM	PANY 1 (C	LANA BOW	った情	512 P	
LEAS	SE NAME: CAC	AYK	500			
TRA	NSPORTER COMPAN	GUA JOHN	'n	TIME:	5	AM/PM
DATE	1月20万余	SJ VEHIC	CLE No.:	DRIVE	R No.	
	PRODUCTION WATE FANK BOTTOMS OTHER MATERIAL DESCRIPTION	B [] DI	TYPE OF MATER RILLING FLUIDS DNTAMINATED S	()	COMPLETION F	and the second of the second of the second of
1.2						
VOLI	JME OF MATERIAL	[,] BBLS	: [%]	ARD /	1495年	Planting (A)
that r	ment at the above des no additional, materials ER:		I that it was tendere	d by the above d	scribed shipper.	his will certily.
	(SIGNATURE). LITY REPRESENTAT	WE VIDE	All			

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267
Roustabout Crews -:- Winch Trucks

№ 87853

	NMSCC #14225	14 01000
Date _//- //- 95	AUTHORIZATION FOR WORK	where No. 506
COMPANY Tippera		YOU Pipe Line
MAIL INVOICE TO		WELL
DESCRIPTION OF WORK	Harled Hond of JUNI	Kpife to
	Hauled Hoad of Juni Sandy Plant from L	odation.
	·	
	· · · · · · · · · · · · · · · · · · ·	
Equipment Used Jum P	46K #5010 @ \$ 40.00 Hrs. worke	d 7/2 Total /80.00
Equipment Used	@ \$ Hrs. worke	d, Total
Pusher Staven	Enney © \$ Hrs. worke	d
Labor	@ \$ Hrs. worke	
Roustabout	Hrs. worked	Sub Total
Roustabout	Hrs. worked	Sales Tax 10.69
	Hrs. worked	TOTAL 190.69
Roustabout	Hrs. worked	
	Approved by	the

SUPERIOR-102

GANDY CORPORATION

1109 E. Broadway

TATUM, NEW MEXICO 88267

Roustabout Crews -:- Winch Trucks NMSCC #14225

№ 89591

Date //-//- 55 AUTHORIZAT	TION FOR WORK Lane Lake YOUR NO. 5 Z
COMPANY IIPFARY	LEASE DESPIS 3 W B
COMPANY /// F/T/X/	LEASE //84730) WS
MAIL INVOICE TO	WELL
DESCRIPTION OF WORK TAHE OUT	NETY POSTS and haules
To trush dump	,
aurrys	
I railer	11.50 8 92.00
Equipment Used TRUCK TOOLS.	@ \$ 18.95 Hrs. worked 8 Total 151,60
Equipment Used Disposal Lee	@ \$ Hrs. worked Total <i>DO_OO</i>
Pusher Jose To endoga	@ \$ 1615 Hrs. worked 8 Total 12920 _
Labor	@ \$ 14.05 Hrs. worked 24 Total 337-20
Roustabout Tose Mendolp	_ Hrs. worked _\S Sub Total\S /O. CO
Roustabout Tomas Sancher	_ Hrs. worked _8 Sales Tax _ 4 & C9 _
Roustabout Fulgencio Olivas	_ Hrs. worked 8 TOTAL 858.07
Roustabout	Hrs. worked
	Approved by
SUPERIOR 102	

All the second of the second o	.
P.O. BOX 369 HOBBS (505) 393	, NEW MEXIC 1 8241
LEASE OPERATOR/COMPANY: 7 100 p/	ary Oil+ Gas
LEASE NAME: Lane Cylce	SWD
TRANSPORTER COMPANY:	TIME: 430 AMPM.
DATE: / / 27 95 VEHICLE No.:	OY DRIVER No.
TYPE OF MA	
[] PRODUCTION WATER [] DRILLING FLU [] TANK BOTTOMS CONTAMINATION OTHER MATERIAL:	,
DESCRIPTION: Description:	8
VOLUME OF MATERIAL [] BBLS.	WARD []
THIS WILL CERTIFY that the above Transport Statement at the above described location, and that it was te that no additional materials were added to this load, and-th	rer loaded the material represented by this Transporter ndered by the above described shipper. This will certify at the material was delivered without incident
DRIVER: 11/1/1/ A ALC Z	
(SIGNATURE) FACILITY REPRESENTATIVE:	
AIG 20931 (SIGNATURE)	
White - CRI Canary - CRI Accounting	Pink - CRI Accounting Gold - Transporter
	and the second of the second o

P.O. Box 827 398-4960	GANDY CORPORATION TATUM, NEW MEXICO 88267	1109 E. Broadway
	Roustabout Crews -:- Winch Trucks NMSCC #14225	№ 89796
Date 11 - 27 - 95	AUTHORIZATION FOR WORK	YOUR NO. 504
COMPANY TIPPERORY	al & Gas LEASE Lane	Lake Swo
MAIL INVOICE TO		WELL
DESCRIPTION OF WORK Hand	(Cement disposal pipa Debris and soils.	, pit netting

Syds.

Equipment Used Womp Truck	@\$40.00	Hrs. worked	Total 200,00
Equipment Used Disposal	_@ \$/5.00	_ Hrs. worked 34	Lo Total /20.02
Pusher Martin Nunez	_@\$	Hrs. worked	Total
Labor	_ @ \$	Hrs. worked	\sim
Roustabout	Hrs. worked		Sub Total 320,00
Roustabout	_ Hrs. worked		Sales Tax / 9 00
Roustabout	_ Hrs. worked		TOTAL 234.00
Roustabout	_ Hrs. worked	***	•

226	NTDOLLED DE	AOVEDVINA	er in round state for the second state and Geologies (1971)	
P.O. B	ONTROLLED RE OX 369 HOBBS:	MEW MEXICO 8824		
	(505) 393-			
LEASE OPERATOR/COMPANY	12/12	p.petino		
LEASE NAME	ne lake	SUD		
TRANSPORTER COMPANY:	JY W	/ TIME.41	0 445	AM/RM)
DATE: /	VEHICLE No.:	09 DRIVER	No.:	
PRODUCTION WATER I JANK BOTTOMS L STHER MATERIAL	TYPE OF MAT [] DRILLING FLUII [] CONTAMINATE	DS () Č	OMPLETION FLUIDS	
DESCRIPTION: 2014	d9>00	6 5	101 1	_
le life	V XX V E		HATHE	2W5
VOLUME OF MATERIAL DEBL	s. 120 1] YARD	_: [,]	
THIS WILL CERTIFY the Statement at the above described for that no additional materials were ad	cation, and that it was ten	loaded the material repr dered by the above descr tithe material was delive	ibed shipper. This will	sporter certify
DRIVER:	المن المنظوم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم			
(SIGNATURE)	100	10/1		
FACILITY REPRESENTATIVE:	SNATURE)	I have		
20709	State of the second	وشيرون بالمحادد بتحاريعشيك ويب السياداتي	يدريه وتحاشيها والتحسيم أتراجه سيمام	
White - CRI Canary - CF	RI Accounting	Pink - CRI Accounting	Gold - Tran	sporter
8-25251			Gold. Wall	e describerant
	constituted and a second	I de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	Constitution of the consti	
226				Connaton
Loco Hills, (505) 677-2111				P.O. Box 98
Day or Nite	I Tan		Loco	Hills, N.M 88255
Delivery Receipt	Inc.			No. 33003
			,	116.
Date 11. 7. 95		Truck No.	<u> </u>	
Shipped From Burio Pipelin	<	Lease	Lane 14	Ke Swo
Shipped To CRT Parmi	+ 418335	Well i	No	
DESCRIPTION BARRELS	RATE	CHARGE	TAX	TOTAL
	2.50	300.00		
- 1	61.00	518.50		
Je + fee	40.00	40.00		
Qt !		2/2 ~ =	5258	911,03
		858.50		/11,00
Remarks: pall local out of	Ort - COM	3151 24 di	1 iran	7/6
hand to CRI put in	nit		7,7-	
Att in the second second				
Top Gauge		Bottom Gauge		
Start 4,30 Finish (C,00)	VI Total 8 5		COM	IPANY
State Transit Control	// / / / / /	The prince	cripetin	2
Driver 335 & Drawn	<u> </u>			
B-6990				

GANDY CORPORAT TATUM, NEW MEXICO 88267

1109 E. Broadway

Roustabout Crews -:- Winch Trucks NMSCC #14225

№ 89631

Date //-/7-95 AUTHORIZA	ATION FOR WORK
COMPANY Sippliary	LEASE Lane Lake 5 WD
MAIL INVOICE TO	WELL
DESCRIPTION OF WORK	
Haul of 12 yas	disposal pipe in etting
to CRI	
Equipment Used Lump Mush	
Equipment Used	
Pusher Lemon Detoot	@ \$ Hrs. worked Total
Labor	@ \$ Hrs. worked Total
Roustabout	Hrs. worked Sub Total _ 480.00 _
Roustabout	Hrs. worked Sales Tax
Roustabout	
Roustabout	~
	Approved by

SUPERIOR-102

Liveral		
		100
e	CONTROLLED RECOVERY	
1 . 1	P.O.BOX 369 · HOBBS, NEW MEX (505) 393-1079	ICO 8824#19524
	A STATE OF THE STA	11/~- 6
	LEASE OPERATOR/COMPANY	14Gas
t ⁱ	LEASE NAME: Lane (gla >	$\omega \nu$
	TRANSPORTER COMPANY	TIME 1700 AMP
	DATE: (1 1795 VEHICLE No.: 508	DRIVER No.
	TYPE OF MATERIAL	100 miles (100 miles (
	PRODUCTION WATER [] DRILLING FLUIDS	COMPLETION FLICO96
	TANK BOTTOMS ON TAMINATED SOIL OTHER MATERIAL	
	DESCRIPTION So. 1, Concret + M	2019
	VOLUME OF MATERIAL (BBLS. ARD)	12
	THIS WILL CERTIFY that the above Transporter loaded the	naterial 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	I was delivered without incident.
€ **!	DRIVER TOUR	
	(SIGNATURE)	· · · · · · · · · · · · · · · · · · ·
	FACILITY REPRESENTATIVE:	_6
	(SIGNATURE)	
	20804	

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

SUPERIOR-101

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING

ROUSTABOUTING NMSCC #14225 179686

			14 141 2 0	C " 14223				
Date / 0 - , 6	27-95			Truck No	302			
Company Jr	pperar	4		Purchase Order No			voice umber	
From		<i>y</i>		Rig No		Locati	on	
To Lease Zas	u do	ho SNB		Well No		Locati	on	
Time Out		A.M. P.M.	Time In		A.M. P.M.	TIME	RATE	AMOUNT
	Brine Water Salt Water	Fresh Water Acid	Bbls. H	auled / 20			250	300,00
Driver, Operator o	or Pusher $R_{ m c}$	Jelio 0,	ranti	<u>A</u>		10	56.00	560,00
Helper			· · · · · · · · · · · · · · · · · · ·					
Helper	···							
Helper								
Other Charges	·							
Description of Wo	rk: Tull	10 \$.5.	Lun	pit on	N			
York Y	6 CRI	Top die	social.					
		0					Sub Total	860,00
							Sales Tax	51.06
Authorized by:	7000 b	Jenie	`				TOTAL	911.06

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

Authorized by:

GANDY CORPORATION

TANK CLEANING - OIL TREATING

ROUSTABOUTING

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

179829

NMSCC #14225		1130	23
Truck No 38	8		
Purchase Order No			
	Locatio	n	
O. Pt Twell No.	Locatio	nn	
A	.M. TIME	RATE	AMOUNT
$ac\lambda$.M. 260	,29	75-42
Bbls. Hauled	$= \frac{1}{2} D I I 2$	(2 00	200 -
Juan Daryo	19 /1/2	32.00	390.00
(//2 ////	Louis		
7			111 / 1
			465.40
SWI)	Sales Tax	1102
		TOTAL	490,00
K CLEANING — OIL TREATING ROUSTABOUTING	TRUCKS	1851	66
010	}	1001	
Purchase			
Order No		umber	
Rig No	Locat	ion	
Well No		ion	·
Time In 4,00	A.M. TIME	RATE	AMOUNT
Bbls, Hauled 240		, 25	60.00
ν	7	56.00	392-00
17 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -			
its & took to Sig	1.0.		
			1
	I		
		Sub Total	452-0
	Truck No Purchase Order No. A Rig No. A Rig No. Mell No. Sarab Y CORPORAT - VACUUM TRUCKS - WINCH K CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. Purchase Order No. Rig No. Well No. Time In H. O O Bbls. Hauled 240	Purchase Order No. Nu ARIS No. Location No. No. No. No. No. No. No. No. No. No.	Truck No. 388 Purchase Order No. Number ARIS No. Location A.M. TIME RATE P.M. 260 .29 Rbls. Hauled 390 Sales Tax TOTAL Y CORPORATION - VACUUM TRUCKS - WINCH TRUCKS K CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 29 Purchase Order No. Number Rig No. Location Well No. Location Time In 4:00 Bbls. Hauled 240 A.M. TIME RATE P.M. 260 Tatum. New No. 25 Time In 4:00 A.M. TIME RATE P.M. 100 Bbls. Hauled 240 A.M. TIME RATE

24-HOUR SERVICE, CALL PHO. 398-4960 PHO. 398-4300 LOVINGTON 396-4948

Authorized by:

GANDY CORPORA

1109 E. BROADWAY BOX 827 TATUM. NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING ROUSTABOUTING

178718

TOTAL

Date 10-15-95			1787	140
	Truck No. 327			
Company TipERARY	Purchase Order No		voice umber	
From LAME LAKE SWP	Rig No	Locati	on/	
To Lease	Well No	Locati	on	
Time Out 0630 P.M. Time In	15:00 AM	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water			. 25	120.00
	Hauled 480			
Driver, Operator or Pusher Paul WRIVDL.	SbAch	10.5	54.00	588.00
Helper				
Helper				
Helper Change Change				
Other Charges				
Description of Work: dRAI'N diret Pit a	licons &			
AS directed-	· puse			
- A WIRECTON			Sub Total	708.00
21 01			Sales Tax	42.04
Authorized by:			TOTAL	757204
LOVINGTON 396-4948	DRPORATION TRICKS - WINCH TRI		вох	ROADWAY (827 MEXICO 88267
CANDY CONTROL	DRPORATION TRUCKS - WINCH TRUCKS - WINCH TRUCKS - WINCH TRUCKS TABOUTING TABOUTING CC #14225		вох	(827 MEXICO 88267
PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VACUU TANK CLEANI ROUS NMS	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225	JCKS	1798	(827 MEXICO 88267
CANDY CONTROL OF THE PROPERTY	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225	Ir	BOX FATUM, NEW !	(827 MEXICO 88267
Date / N / S 95	M TRUCKS — WINCH TRUNG — OIL TREATING TABOUTING CC #14225 Truck No 30 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	JCKS In N	1798	(827 MEXICO 88267
Date / / S GAPTY CORP	M TRUCKS — WINCH TRU NG — OIL TREATING TABOUTING CC #14225 Truck No 30 Purchase Order No.	JCKS In N	1798	(827 MEXICO 88267
Date 15-95 Company Tefferary Corp From To Lease Dane Lake S-W D A.M.	M TRUCKS — WINCH TRUNG — OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M.	JCKS IT N Locat	1798	(827 MEXICO 88267
Date 10 Lease Done Loke S-W Diesel Brine Water GANDY CC KILL TRUCKS - VACUU TANK CLEANI ROUS NMS A.M. P.M. Time In Diesel Brine Water FCANDY CC KILL TRUCKS - VACUU TANK CLEANI ROUS A.M. P.M. Time In Fresh Water	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Time Out Diesel D	M TRUCKS — WINCH TRUNG — OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Doiver, Operator or Pusher GANDY CC KILL TRUCKS - VACUU TANK CLEANI ROUS NMS Company To Lease Cord Cord A.M. P.M. Time In Biss Driver, Operator or Pusher CANDY CC KILL TRUCKS - VACUU TANK CLEANI ROUS A.M. From A.M. P.M. Time In Bhls.	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Time Out Diesel Diesel Diesel Driver, Operator or Pusher EANDY CO KILL TRUCKS - VACUU TANK CLEANI ROUS NMS A.M. P.M. Time In Bhls. Bhls.	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Doile Brine Water Crude Oil Salt Water Acid Bhls Diver, Operator or Pusher Helper CONNGTON 398-4960 KILL TRUCKS - VACUU TANK CLEANI ROUS NMS A.M. P.M. Time In Bhls Corde Oil Salt Water Acid Helper Helper	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Time Out Diesel Diesel Diesel Driver, Operator or Pusher EANDY CO KILL TRUCKS - VACUU TANK CLEANI ROUS NMS A.M. P.M. Time In Bhls. Bhls.	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Time Out Diesel Diesel Brine Water Crude Oil Salt Water Helper Helper Helper	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company To Lease Time Out Diesel Diesel Brine Water Crude Oil Salt Water Helper Helper Helper	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	8 3 0 AMOUNT
Company Temperature Fresh Water Crude Oil Salt Water Acid Bhls Diesel Brine Water Fresh Water Acid Bhls Driver, Operator or Pusher Helper Helper Description of Work: CONDANS KILL TRUCKS - VACUU TANK CLEANI ROUS NMS A.M. P.M. Time In Bhls Driver, Operator or Pusher Helper Helper Description of Work: Description of Work:	M TRUCKS - WINCH TRUNG - OIL TREATING TABOUTING CC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	Icks In N Locat	1798	830

Authorized by:

● GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING

ROUSTABOUTING NMSCC #14225

178747

Sales Tax TOTAL

Date	Truck No 327		1101	Т (
Company TiPERARY	Purchase Order No	T-	voice ımber	
From GANE CAK SWD	Rig No			
To Longo HAND M. SWD	Well No	Locatio	on	
Time Out OB30 PM	Time In_ /7:00 (P.M)	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water				 -
Crude Oil Salt Water Acid	Bbls. Hauled 480		.25	120.00
Driver, Operator or Pusher PAL	LW Rindlisbach	9,5	56.00	532.00
Helper				
Helper				
Helper				
Other Charges				
	1 2:1 1			
Description of Work: drAin dir.	+ pit dispose			
AS directe	id			652.00
				38.71
Mi	3	······································	Sales Tax	690.71
Authorized by:			TOTAL	B 2.0 . 1 1
LOVINGTON 396-4948 KILL TRUC	DY CORPORATION KS - VACUUM TRUCKS - WINCH TRUCK TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225		1798	
Date 10-14-95	Truck No 308			
Company Dipperary	Purchase Order No		voice umber	
From	Rig No	Locat	ion	
To Lease Lake Su				
TO Deade	νD, Well No.	_ Locat	ion	
A.M.	A.M.	Locat	ion	TNUOMA
Time OutP.M.				ТИИОМА
Time Out A.M. P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid	A.M.			300.00
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid	Time In A.M. P.M.		RATE	300.00
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher Rolling Over 100 Constitutions	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher Roller	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher Roje Color Salt Water Helper Helper	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00
Time Out	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	7
Time OutP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher Ro Jelia Content Helper Helper Helper	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00
Time Out P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher Ro Jelia Over Helper Helper Helper Other Charges	Time In A.M. P.M. Bbls. Hauled 240.	130	RATE 2.50	300.00

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

Authorized by:

SUPERIOR-101

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WING TANK CLEANING - OIL TREATING

BOX 827 TATUM, NEW MEXICO 88267

Sales Tax

TOTAL

1109 E. BROADWAY

179780 ROUSTABOUTING NMSCC #14225 2 ~ 1

10 0	NMSCC #14225		1101	00
Date	Truck No	1		
Company Dipperary	Purchase Order No		roice .mber	
From	Rig No	Locatio	on	
To Lease Sant Lake SWD	Well No	Locatio	on	
A.M. Time Out P.M. Ti	me in A.M		RATE	AMOUNT
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid	Bbls. Hauled	_		
Driver, Operator or Pusher Martin Z	Geranda	5	56.00	28000
Helper				
lelper				
Helper				
Other Charges				
1				
Description of Work: Dauled I lua	& Low sit to		L	
Datellite #1 SWB.		_		
			Sub Total	280.00
,			Sales Tax	16.63
Authorized by:	7/11		TOTAL	2966
SUPERIOR-101			TOTAL	70.67
LOVINGTON 396-4948 KILL TRUCKS -	Y CORPORATI - VACUUM TRUCKS - WINCH TO CLEANING - OIL TREATING	1		MEXICO 8826
	ROUSTABOUTING NMSCC #14225	_	1798	521
Date/3 - 95	Truck No.	7		
Company / CPPEYGRY COVP	Purchase Order No		voice umber	
From	Rig No	Locati	on	· · · · · · · · · · · · · · · · · · ·
To Lease Lane Lake S-C	υ D, Well No.	Locati	on	
A.M.	A.1		RATE	
Diesel Brine Water Fresh Water	ime InP.i	M.		AMOUNT
Crude Oil Salt Water Acid	Bbls. Hauled		1	AMOUNT
Driver, Operator or Pusher Helper		101/2	5/00	
	Wuan Sarab	ic 101/2	560	
		ic 101/2	5600	
Helper		ic 101/2	56-	
Helper Helper		ic 101/2	560	
Helper		ic 101/2	560	
Helper Helper		ic 101/2	560	
Helper Helper Other Charges	Suan Sarab		Sub Total	

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

> Authorized by: SUPERIOR-101

GANDY CORPORALION

TANK CLEANING - OIL TREATING

ROUSTABOUTING

179770

1109 E. BROADWAY

BOX 827 TATUM, NEW MEXICO 88267

Date 10-10-95	Truck No. 307			
Company TEPPEYERY COVA	Purchase Order No		voice imber	
From	Rig No	Locatio		
	orvo Well No.	Location		
A.M.	A.M.	TIME	RATE	AMOUNT
Time Out P.M. Time I Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bt	P.M. ls. Hauled 390			
Driver, Operator or Pusher	an Sarabia	61/2	56.00	364,00
Helper				
Helper	The state of the s			
Helper				
Other Charges				
Description of Work: PU//Ed 390	Sols Water			
of partitions	JOHN JOHN	-		36400
- 10 Sa/1/1E +1	<u>, S.W.D.</u>		Sub Total	364.00 21,61
M (1)		<u> </u>	Sales Tax	20011
Authorized by: ///		<u> </u>	TOTAL	303.6/
R	TANING - OIL TREATING OUSTABOUTING NMSCC #14225 Truck No 3/4		1798	582
Company Jipperary	Purchase Order No		ivoice umber	
From	Rig No	Locat		
To Lease Lake Sw D	Well No	Locat	ion	
A.M. Time Out	A.M	Locat		
	InP.N	[. TIME		AMOUNT
Diesel Brine Water Fresh Water Crude Oil (Salt Water) Acid	InP.W	[. TIME	ion	AMOUNT
Crude Oil (Salt Water) Acid E	InP.M bls. Hauled	[. TIME	RATE	
Crude Oil Salt Water Acid E	InP.M bls. Hauled	TIME	ion	
Crude Oil Salt Water Acid E	InP.M bls. Hauled	TIME	RATE	
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je//O () rvA n Helper	InP.M bls. Hauled	TIME	RATE	
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Jelio Orvan Helper Helper	InP.M bls. Hauled	TIME	RATE	
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je//O () rvA n Helper Helper Helper Other Charges	In P.M. bls. Hauled 241 +i'A	TIME	RATE	
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je/10 () rvA n Helper Helper Other Charges Description of Work: Pully 2 for	InP.M bls. Hauled	TIME	RATE	
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je//O () rvA n Helper Helper Helper Other Charges	In P.M. bls. Hauled 241 +i'A	TIME	RATE 52.00	260.00
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je/10 () rvA n Helper Helper Other Charges Description of Work: Pully 2 for	In P.M. bls. Hauled 241 +i'A	TIME	RATE 52.00 Sub Total	260.00
Crude Oil Salt Water Acid E Driver, Operator or Pusher Ro Je/10 () rvA n Helper Helper Other Charges Description of Work: Pully 2 for	In P.M. bls. Hauled 241 +i'A	TIME	RATE 52.00	

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

GANDY CORPORA KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

TANK CLEANING - OIL TREATING 179765 ROUSTABOUTING

NMSCC #14225 Truck No. Purchase Invoice Company Order No Number. From. Rig No. Location To Lease Well No. Location A.M. A.M. P.M. TIME RATE AMOUNT Time Out. P.M. Time In Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled ∞ Driver, Operator or Pusher $C_{\mathcal{O}}$ Helper Helper Helper Other Charges Description of Work Sub Total Sales Tax Authorized by: TOTAL SUPERIOR-101

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

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS

·	TANK CLEANING - OIL TREATING		1700	000
2 2 2	ROUSTABOUTING NMSCC #14225		1798	000
Date 10 - 95	Truck No			
Company ipper any	Purchase Order No		voice umber	
From	Rig No	Locati	on	
To Lease Line Lake SW		Locati	on	
A.M.	A.M.	TIME	RATE	AMOUNT
Time OutP.M. Diesel Brine Water Fresh Wate	Time In P.M.			
Diesel Brine Water Fresh Wate Crude Oil Salt Water Agid	Bbls. Hauled		25-	18.75
Driver, Operator or Pusher	or Prefero	3/2	52.00	182.00
Helper				
Helper				
Helper				
Other Charges			ļ	
	1			
Description of Work: Hay 1	totals of Water			
Ta HIM SWD				
			Sub Total	200.75
			Sales Tax	11.92
Authorized by:			TOTAL	212.67
TURENIA IN				

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

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS

TANK CLEANING — OIL TREATING

ROUSTABOUTING

ROUSTABOUTING
NMSCC #14225

179783

Date 10-18-95	Truck No	302			
Company Jipperary	Purchase Order No			voice ımber	
	Rig No		Locati	on	
To Lease Lane Lake SWD	Well No		Locati	on	
Time Out A.M. P.M. Time In		A.M P.M.	TIME	RATE	AMOUNT
	Hauled				,
Driver, Operator or Pusher artin	Junande	1	_3	56,00	168.00
Helper		,			
Helper					
Helper					
Other Charges					
Description of Work: Fulled fluid for	m pit an	rd			
Haulen to asposer.				Sub Total	168,00
		_		Sales Tax	9.98
Authorized by:				TOTAL	177.98

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

Authorized by:

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS
TANK CLEANING — OIL TREATING
ROUSTABULING

179832

TOTAL 296.63

Company TEPPELARY OFP Purchase Order No.			
Company JEPAN OFF Order No.		ivoice umber	
From Rig No.	Locati	ion	
To Lease Lake S COD Well No.	Locati	ion	
A.M. A.M. Time Out P.M. Time In P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water			
Crude Oil Salt Water Acid Bbls Hauled	31/2	ر سر	10/ 0-
Driver, Operator or Pusher Wan Sarabla	31/z	56.00	196.00
Helper			
Helper			
Helper Oh			
Other Charges			
Description of Work: Hauled 170 bb/S			
BS WATER O'RE middle			
pit To Sattelite #5		Sub Total	196.00
		Sales Tax	11.64
Authorized by: Talkery		TOTAL	207.64
SUPERIOR-101			, , , , , , , , , , , , , , , , , , ,
PHO. 398-4960 GANDY CORPORATIO	N	вох	ROADWAY
GANDY CORPORATIO CONTROL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225		вох	(827 MEXICO 88261
PHO 398-4960 LOVINGTON 396-4948 GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95	СКЅ	1851	(827 MEXICO 88261
PHO. 398-4960 LOVINGTON 396-4948 GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95 Truck No 319 Purchase Order No.	CKS	BOX TATUM, NEW	(827 MEXICO 88261
PHO. 398-4960 LOVINGTON 396-4948 GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 319 Purchase Order No. From Ane Like SWD Rig No.	CKS	TATUM, NEW 185	(827 MEXICO 88261
Company Tipper Ary GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 319 Purchase Order No.	CKS In N	TATUM, NEW 185: nvoice lumber	(827 MEXICO 88261
Company Com	Ir N Locat	TATUM, NEW 185: nvoice lumber	168 168
PHO. 398-4960 LOVINGTON 396-4948 GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 319 Purchase Order No. From Ame Zake Swo Rig No. To Lease Ham Siwin, Well No. Time Out 5:00 Ame Diesel Brine Water Fresh Water	Ir N Locat	TATUM, NEW	168
CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95 Truck No 319 Purchase Order No. From And Swin, O, Well No. Time Out 5:00 Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95 Company Tippe Ary Order No. From and Zake SWD Rig No. To Lease Ham Swin, Well No. Time Out 5:00 AM Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher BILL Rhades	Ir N Locat	TATUM, NEW	AMOUNT 20.00
CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95 Truck No 319 Purchase Order No. From And Swin, O, Well No. Time Out 5:00 Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
GANDY CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10-16-95 Truck No. 319 Purchase Order No. From Same Saw Rig No. To Lease Ham Siwin, Well No. Time Out-5:00 Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher BILL Rhades Helper	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
Company To Lease Brine Water Crude Oil Salt Water Crude Oil Salt Water Crude Oil Salt Water Crude Oil Company	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
CORPORATIO KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date 0-16-95 Company TOPERARY Purchase Order No. To Lease HEM S.W.O. Time Out -5:00 AM Time In 10:00 AM Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher BILL Phodoso Helper Helper Helper Other Charges	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
Company Date 10-16-95 Company Time Out 5:00 Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher Bill Plades Helper Helper Description of Work: Sucked up BIS out of pit & Diesel Sout of pit & Diesel Charges Description of Work: Sucked up BIS out of pit & Diesel Company Diesel Company Diesel	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	AMOUNT 20.00
Company Time Out Diesel Brine Water Crude Oil Salt Water Crude Oil Company C	In N Locat Locat TIME	TATUM, NEW 185: nvoice fumber ion RATE , 25	168 AMOUNT 20.00

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

OGANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM. NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS

TANK CLEANING — OIL TREATING

ROUSTABOUTING

NMSCC #14225

179762

Date_10-6~95	Truck No.	02			
Company / SPIEPARY	Purchase Order No			voice umber	
From	Rig No		Locati	on	<u> </u>
To Lease DANE S.W D. Burd P. L	Well No		Locati	on	
A.M. Time Out		A.M. P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid ,Bbls.	Hauled /2	0		2.50	300.00
Driver, Operator or Pusher	an Sara	bia	10	56.00	560.00
Helper					
Helper					
Helper					
Other Charges					
	n c	Cicar			
Description of Work:	5,5 f	rom			
fit, wolking until	587 F	7		Sub Total	860,00
- FO AC /20013,	/ 9 / ()	/		Sales Tax	51.06
M (1				TOTAL	911.06
Authorized by: // · / · · · · · · · · · · · · · · · ·				TOTAL	101100
	TABOUTING CC #14225 Truck No	319		1787	15
Company 1) PPERARY	Purchase Order No.			voice ımber	
	Rig No				
To Lease H&M S.W.D.	Well No		Locatio		
Time Out // CD P.M. Time In. 3		A.M. P.M	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water	_	-PM)		,25	30.00
	Hauled 120				
Driver, Operator or Pusher BUY Who shu	<u> </u>		4	56.00	224.00
Helper					
Helper					·
Helper					
Other Charges					
Description of Work: PickED UP A LOAD of L	LATER OUT	of			
pit a took to H&M S. W.O.					
,				Sub Total	254.00
	(C) (C) (C) (C) (C) (C) (C) (C) (C) (C)			Sales Tax	15.08
Authorized by:				TOTAL	21.908

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

SHEEDIUB-101

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

FRUCKS — VACUUM TRUCKS — WINCH TRUCKS TANK CLEANING — OIL TREATING ROUSTABOUTING NMSCC #14225

179976

Date 1/-7.95	Truck No 30	2	-	
Company ipper any	Purchase Order No		nvoice Tumber	ganggan ka
From	Rig No	Loca	ion	
To Lease Line Lake SND	Well No	Loca		
A.M.		A.M. TIME	RATE	AMOUNT
Time OutP.M. Diesel Brine Water Fresh Water		_P.M.		
Crude Oil Salt Water Acid	Bbls. Hauled 220		2.50	550.00
Driver, Operator or Pusher Ro Je 1,0 0 20		131/2	56,00	756.00
Helper SANTOS GONSAL	<u>e5</u>	131/	14.05	189.68
Helper				
Helper	-F			
Other Charges				
Description of Work: Dayled 220 p	les from pit to			
of I dioposal				
			Sub Total	1495.68
	7		Sales Tax	38-8/
Authorized by:			TOTAL	1584-49
LOVINGTON 396-4948 KILL TRUCKS	Y CORPORA' 5 - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATIN	H TRUCKS	BO) TATUM, NEW	BROADWAY (827 MEXICO 88267
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS TAI	S — VACUUM TRUCKS — WINC NK CLEANING — OIL TREATIN ROUSTABOUTING NMSCC #14225	H TRUCKS G	80)	(827 MEXICO 88267
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 11-8-95	5 - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATIN ROUSTABOUTING NMSCC #14225 Truck No. 30	H TRUCKS	BO) TATUM, NEW	(827 MEXICO 88267
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS TAI	S — VACUUM TRUCKS — WINC NK CLEANING — OIL TREATIN ROUSTABOUTING NMSCC #14225	TH TRUCKS	179	K 827 MEXICO 88267 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 11 - 8 - 95 Company Perary From	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATIN ROUSTABOUTING NMSCC #14225 Truck No	H TRUCKS	TATUM. NEW	K 827 MEXICO 88267 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 11 8 95 Company Appenary	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATIN ROUSTABOUTING NMSCC #14225 Truck No	H TRUCKS	TATUM. NEW 179 Invoice Number tion	K 827 MEXICO 88267 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 11 - 8 - 95 Company Perary From	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATIN ROUSTABOUTING NMSCC #14225 Truck No	H TRUCKS G Loca	TATUM. NEW 179 Invoice Number tion	K 827 MEXICO 88267 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 1 - 8 - 95 Company 1 - 95 Company 1 - 95 To Lease 2 and 2 ake 5 w 2 Time Out P.M. Diesel Brine Water Fresh Water	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No	Loca A.M. TIME	TATUM. NEW 179 Invoice Number tion	977 977
Date 1 - 9-5 Company Prom To Lease And A.M. Diesel Brine Water Crude Oil Salt Water Acid	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No	Loca A.M. TIME P.M.	TATUM. NEW 179 nvoice Number tion RATE 2.50	977 977
Date 1 - 8 - 95 Company 1 - 95 Company 1 - 95 Company 1 - 95 To Lease 2 are 2 are 5 m. Time Out P.M. Diesel Brine Water Crude Oil Salt Water Acid Driver, Operator or Pusher 1 of 1 of 1 of 1 of 1 of 1 of 1 of 1 o	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME	179 invoice vumber tion RATE 2.30 56.00	977 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 1 - 9-95 Company Prevary From To Lease Are Switch A.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher 10 Telio C. C. C. C. C. C. C. C. C. C. C. C. C.	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	TATUM. NEW 179 nvoice Number tion RATE 2.50	977 977
Date 1 - 8 - 95 Company I Prom. To Lease And A.M. Diesel Brine Water Crude Oil Salt Water Acid Driver, Operator or Pusher Rouge GANE GANE KILL TRUCKS TAI A.M. P.M. Fresh Water Acid	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 56.00	977 977
Date 1 - 8 - 95 Company 1 - 95 Company 1 - 95 Company 1 - 95 Time Out 1 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 56.00	977 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 1 - 8 - 95 Company Prevary From A.M. Time Out P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher ROTELONS Helper Helper Helper	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 56.00	977 977
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 Date 1 - 8 - 95 Company Prevary From A.M. Time Out P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher ROTELONS Helper Helper Helper	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 56.00	4 827 MEXICO 88267
Date 1 - 95 Company Ipperary From A.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher O IC 1 O CHelper Helper Other Charges GANC KILL TRUCKS TAI A.M. P.M. Di A.M. P.M. Diesel Brine Water Acid Driver, Operator or Pusher O IC 1 O CHelper Helper Other Charges	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 56.00	977 977
Date 1 - 95 Company Ipperary From A.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Driver, Operator or Pusher O IC 1 O CHelper Helper Other Charges GANC KILL TRUCKS TAI A.M. P.M. Di A.M. P.M. Diesel Brine Water Acid Driver, Operator or Pusher O IC 1 O CHelper Helper Other Charges	S - VACUUM TRUCKS - WINC NK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 3 O Purchase Order No. Rig No. Well No. Time In Bbls. Hauled 1 1 0	Loca A.M. TIME P.M.	179 invoice vumber tion RATE 2.30 36.00 14.05	977 977

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

> Helper Helper

Other Charges

Authorized by:

GANDY CORPORACON

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING
ROUSTABOUTING

1109 E. BROADWAY
BOX 827
TATUM, NEW MEXICO 88267

Sub Total Sales Tax

TOTAL

885.00

ROUSTAE NMSCC			1.00	, 0
Date 11-4-95	Truck No322			
Company Tipp BRMRY	Purchase Order No	Invo Nur		
From LANE LAKE SWD	Rig No	Location	ı	
To Isan HAND SWD	Well No	Location	<u> </u>	
Time Out ///30 P.M. Time In Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hau	\smile	TIME	RATE 25	AMOUNT
	led /20	5.5 hr	56.00	308 M
	130461	3.3 KR	<u> </u>	200.00
Helper				
Helper				
Helper				
Other Charges				
Description of Work: LOAD AND DISPOSE AS DIRECTED	of fluid		Sub Total	338.00
\sim \sim \sim \sim			Sales Tax	20.07
Authorized by:			TOTAL	358.07
24-HOUR SERVICE, CALL PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VACUUM TANK CLEANING ROUSTAN NMSCC	RUCKS - WINCH TRU - OIL TREATING BOUTING #14225	TA	вох	ROADWAY 827 MEXICO 88267
1	Truck No. 302 Purchase Order No.		oice mber	
/	Rig No	Locatio	n	
4 . 4 S	Well No	Locatio	n	
Time Out	A.M. P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hau	led_//0		250	27500
Driver, Operator or Pusher RoJelin. OvrAnt	· · · · · · · · · · · · · · · · · · ·	8	56,00	448.00
Helper 5 ANTOS (FONSALES.		8	14,05	112.40

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

GANDY CORPORA

ROUSTABOUTING

BOX 827 TATUM, NEW MEXICO 88267 TANK CLEANING - OIL TREATING

179689

1109 E. BROADWAY

NMSCC #14225 02 Truck No. Purchase Invoice Company Order No Number From Rig No. Location SWD To Lease. Well No. Location A.M. P.M. A.M. P.M. TIME RATE AMOUNT Time Out Time In Diesel Brine Water Fresh Water Salt Water Crude Oil Acid Bbls. Hauled Driver, Operator or Pusher Helper 91/2 GONSALES Helper Other Charges Description of Work Sub Total Sales Tax 028.10 Authorized by: TOTAL SUPERIOR-101

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

SHEERIOGIAL

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING

	ROUSTABOUTING NMSCC #14225	~ ·	7 /	1/94	.31
Date 1 [- 2 - 9]	Truck No	5	26		
Company TIPPEKAKY	Purchase Order No			voice umber	
From CAKE CAKE	5 W O. Rig No		Locati	on	- -
To Lease	Well No		Locati	on	
A.M. Time Out	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 15 10	R-GAY+a	W	13	56.00	728.00
Helper			\$		
Helper JUAN	SANCHES		13	14,05	182.65
Helper					
Other Charges				_	
Description of Work: Fulled BSLW Lo CRI disposal.	from set & Low	h			
- Josephine,				Sub Total	1210,65
				Sales Tax	71.88
Authorized by:				TOTAL	1282,53

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

Authorized by:

GANDY CORPORA

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING

	ROUSTABOUTING NMSCC #14225		1794	.36
Date 11-1-95	Truck No	_6		
Company TIPPERARY	Purchase Order No.		rvoice Tumber	
From (ANE (AKE	SWD Rig No.	Locat		
To Lease	Well No	Locat		
A.M.	A.M.	TIME	RATE	AMOUNT
Time OutP.M. Diesel Brine Water Fresh Water	Time In P.M.			
Crude Oil Salt Water Acid	Bbls. Hauled			
Driver, Operator or Pusher Tausto	K- GAYtar	17	56.00	392.00
Helper		ļ		
Helper				
Helper				
Other Charges				
	1			
Description of Work: Tulled Jlind	from pit.	-		
			G 1 m 1 1	392.00
			Sub Total	23.23
50/7H1 2	~	 	Sales Tax	415,28
Authorized by:		<u> </u>	TOTAL	1/3,20
LOVINGTON 396-4948 KILL TRUCKS	Y CORPORATION OF THE PROPERTY			
11 1 05	NMSCC #14225		1130	
Date 11-1-95	Truck No 302 Purchase		- nvoice	
Company Tippuany	Order No		Number	
From	Rig No.	Loca	tion	
To Lease Love Lake Sw. 1	Well No	Loca	tion	
A.M. Time OutP.M.	Time In A.M. P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid	Bbls. Hauled // 0			
	rantia	1/	56.00	6/6.00
Helper				1000
Helper SAntos GONSALES		11	14.05	10.00
1				154.55
Helper			_	154.55
Heiper Other Charges				154.55
Other Charges				154.55
				154.55
Other Charges			Sub Total	154.55

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

GANDY CORPORA

TRUCKS - VACUUM TRUCKS - WINCH TRUCKS

TANK CLEANING - OIL TREATING

BOX 827 TATUM, NEW MEXICO 88267

1109 E. BROADWAY

ROUSTABOUTING 179440 NMSCC #14225 Truck No. Purchase Invoice Order No. Number. Rig No. Location To Lease Well No. Location A.M. Time Out. A.M. _P.M. P.M. RATE Time In AMOUNT Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled 300,00 Driver, Operator or Pusher Helper Helper Helper Other Charges 860.00 Sub Total 51.06 Sales Tax Authorized by: 911.06 SUPERIOR-101 TOTAL 24-HOUR SERVICE, CALL 1109 E. BROADWAY **GANDY CORPORATION** PHO. 398-4960 BOX 827 LOVINGTON 396-4948 TATUM, NEW MEXICO 88267 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS

TANK CLEANING - OIL TREATING ROUSTABOUTING

NMSCC #14225

Date // - 5 - 95	Truck No 303			
Company J. ipperary	Purchase Order No		voice ımber	
From	Rig No	Locatio	on	
To Lease Lake Lake SW D	Well No	Locatio	on	
A.M. Time Out P.M. Time In	A.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. H	auled //O.		2.50	275.00
Driver, Operator or Pusher Ro Jelio Orrantia		7	56.00	392.00
Helper				
Helper				
Helper				
Other Charges				
Description of Work: Fulled Slind for	m put and			
			Sub Total	66700
			Sales Tax	39.60
Authorized by:			TOTAL	706.60

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

Authorized by:

●GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS
TANK CLEANING — OIL TREATING

ROUSTABOUTING

Date 11-4-95 Truck No., 3 26	5		
Company 71PPERAR Purchase Order No.		- nvoice Jumber	
From LANE CAKE SWD Rig No.	Locat		
To Lease Well No	Locat	ion	
A.M. A.M.	TIME	RATE	AMOUNT
Time OutP.M. Time InP.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled		2.50	600.00
Driver, Operator or Pusher FAUSTO R- GAYAGW	13	56.00	728.00
Helper			
Helper FIDENCIO DILVAS	13	14,05	182,65
Helper			
Other Charges			
Description of Work: Fylled hot loads & S & from			
pit and Baulio to ChI disposal			15-01-
	[Sub Total	1510.65
		Sales Tax	1600 21
Authorized by:	1	$1 \land T \cap T$	
Authorized by: SUPERIOR:101 24-HOUR SERVICE, CALL PHO. 398-4960 GANDY CORPORATION	N	вох	BROADWAY X 827
SUPERIOR-101		1109 E. E BO)	X 827 MEXICO 88267
CANDY CORPORATION SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION TRUCKS — WINCH TRUCKS — VACUUM TRUCKS — VACUUM TRUCKS	ıcks	1109 E. E BOX TATUM. NEW 179	X 827 MEXICO 88267
CANDY CORPORATION 24-HOUR SERVICE, CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225	JCKS	1109 E. E BOX TATUM, NEW	X 827 MEXICO 88267
CANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINC	JCKS	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267
GANDY CORPORATION 24-HOUR SERVICE, CALL PHO. 398-4960 LOYINGTON 396-4948 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINCH TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH T	JCKS	1109 E. E BOX TATUM. NEW 179 (Invoice Number	X 827 MEXICO 88267
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS	JCKS	1109 E. E BOX TATUM. NEW 179 (Invoice Number	X 827 MEXICO 88267
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - W	JCKS Loca Loca	1109 E. E BOX TATUM. NEW 179 Invoice Number Lition RATE	x 827 MEXICO 88267 694
CAPPERIOR-101 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 COMPANY PARTICIPATION Company Company From Rig No. To Lease A.M. P.M. Diesel Brine Water Crude Oil Salt Water RANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRU TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 302 Purchase Order No. Well No. A.M. P.M. Time In P.M. Bbls. Hauled PM. Bbls. Hauled Bbls. Hauled PM. Bbls. Hauled Bbls. Ha	Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number Ition RATE	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WINCH TRUCKS - VACUUM TRUCKS - WINCH	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TREATING ROUSTABOUTING NMSCC #14225 Date // - 4 - 95 Company ippurary Purchase Order No. From Rig No. To Lease Are Lake Sub Well No. A.M. Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled 100 Driver, Operator or Pusher Ro Te // O Orvan F/A Helper SAN To S. GONSA LES	Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUTANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date // - 4 - 9 5 Company Jippurary Company Purchase Order No. From Rig No. To Lease And A.M. P.M. Time Out P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled 100 Driver, Operator or Pusher Ro Je/, o Orvan F.A Helper SAN for GONSA 1es Helper	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUTANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 302 Purchase Order No. From	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUTANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date // - 4 - 9 5 Company Jippurary Company Purchase Order No. From Rig No. To Lease And A.M. P.M. Time Out P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled 100 Driver, Operator or Pusher Ro Je/, o Orvan F.A Helper SAN for GONSA 1es Helper	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE. CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUTANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Truck No. 302 Purchase Order No. From	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00
GANDY CORPORATION 24-HOUR SERVICE, CALL PHO, 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUTH TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC #14225 Date // - 95 Company Japany Purchase Order No. From Rig No. To Lease Are Jake Swd Well No. Time Out A.M. P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled / 00 Driver, Operator or Pusher Po Je /, 0 Orvan F. A Helper Santos Gonsales Helper Other Charges	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00 252.00 63.23
GANDY CORPORATION 24-HOUR SERVICE, CALL PHO. 398-4960 LOYINGTON 396-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS - WI	Loca Loca TIME	1109 E. E BOX TATUM. NEW 179 Invoice Number	X 827 MEXICO 88267 694 AMOUNT 250.00

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

GANDY CORPORA

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

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

Date 1/- 3 - 95		Truc	k No	102			
Company Dipperary		Purc Orde	hase r No		In N	voice umber	
From		Rig	No		Locati	on	
To Lease Lane Lake	SWD	Well	No		Locati	on	
	M. '.M. Ti	me In		A.M P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fr	resh Water		1:.7			100	2-1
4	cid	Bbls. Hauled_				1	275.00
Driver, Operator or Pusher	systis (mata			_ کـ	56.00	280.00
Helper		· · · · · · · · · · · · · · · · · · ·	***************************************				
Helper					····		
Helper		*F*					
Other Charges						-	
	1 110 Halo	Ray	100-			1	
Description of Work: Saule	1 110 pars	MAYNY	ock 1	-			
disposal.							
						Sub Total	30 00
THAL	1 2					Sales Tax	60000
Authorized by:						TOTAL	007.33
Date 11-3-95	<u> </u>		1225	326		179 - nyoice	430
Company	HCT	Ord	ler No		1	Number	
From ANE CH	4 tr.6 5	WD. Rig	No		Loca	tion	
To Lease		We	ll No		Loca	tion	
Time Out	А.М. Р.М. Т	ime In		A.M. P.M.	TIME	RATE	AMOUNT
Diesel Brine Water	Fresh Water	DI	9/1/1			2 02	600,00
	Acid	Bbls. Hauled	X ~ ~ ~		i / i.	56.00	78400
Driver, Operator or Pusher	USTO K	· ODY	July -		17	36.00	107.00
Helper	= 1100	N 62	N 29	les	166	14,05	196.70
Helper Helper	X 10 1 03				17	77,00	1 10010
Other Charges	***						
Other Charges						l l	
Description of Work: Fulled	Low Loan						
set and hauled		6 BSIN	From				
	/ - 1 .	6 BSIN	from				
/	/ - 1 .	lo BSIN lisposal.	from			Sub Total	1580,70
	/ - 1 .	, ·	from			Sub Total Sales Tax	1580,70

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

Authorized by:

SUPERIOR-IOL

GANDY CORPORATION

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS

TANK CLEANING — OIL TREATING

ROUSTABOUTING

179688

Sales Tax

TOTAL

	NMSCC #14225		1100	, 0 0
Date 10 - 30 . 95	Truck No 309			
Company Sipperary,	Purchase Order No		ivoice umber	
From	Rig No	Locat	ion	
To Lease Lone Lake SWB	Well No	Locat	ion	
A.M.	A.M.	TIME	RATE	AMOUNT
Time OutP.M. Time Diesel Brine Water Fresh Water Crude Oil Salt Water Acid F	InP.M. Bbls. Hauled // 0			
Driver, Operator or Pusher Ro Jelio, DrrAn		91/a	56.00	532.00
Helper				
Helper 5ANt05 GONSALES.		9/2	1405	133.48
Helper				
Other Charges				
		ļ		
Description of Work: Tulled Flind	from pit.			
· · ·	, , , , , , , , , , , , , , , , , , ,			7/
		-	Sub Total	665.48
- Allana			Sales Tax	39.51
Authorized by:			TOTAL	104.99
TANK CL	ACUUM TRUCKS — WINCH TRI EANING — OIL TREATING ROUSTABOUTING		1796	
12 3 9 C	NMSCC #14225		1100	
Date 11 . 3 - 95	Truck No. 302. Purchase	Ţ	- nvoice	
Company 1 i program	Order No		lumber	
From	Rig No	Locat	ion	
To Lease have have SWI)	Well No	Locat	ion	
A.M. Time Out	InA.M. P.M.	TIME	RATE	AMOUNT
Diesel Brine Water Fresh Water	Bbls. Hauled 100		2 7	250.00
		101/2	56.00	588.00
Driver, Operator or Pusher Ko Jel, O Jrra Helper JUAN, SANCHEZ	IN T, M	10%	1405	141753
Helper Day		1010	174.03	1///.00
Helper				
Other Charges				
Description of Work: + u Load 0	f B.S.			
and solids out of pitt	f B.S.			985.53

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

GANDY CORPORAT

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS

TANK CLEANING - OIL TREATING

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

Company Agazy Truck Mod Purchase Invoice Number. From Ris No Location Time Out. AM. Time in AM. Time in AM. Time in AM. Time Control No.		ROUSTABOUTING NMSCC #14225		1. O 1	O I I
Company J. Park. Time Out. Time	Date 10-19-95	37 2	··········		
To Lease Bline Sull Sull Sull Not Location Time Out AM Time In P.M. T	Company Lypany				
Time Out	From	Rig No.	Locati	on	
Time Out PM Time In PM Dissel Strine Water Presh Water Crude Oil Call Water Presh Water Strid Bhits Hauled 200 Driver Operator or Pusher Works. And Driver Operator or Pusher Works. And Description of Work. And Disselved Description of Work. And Disselved Oil Early Water Company I Parary Disselved Oil Early Water Order Oil Early	To Lease Burno SWO	Salelite Well No.	Location		
Diese: Brine Water Crude Oil CAST Water People Water Crude Oil CAST Water Publish Address People Water Country of Work: Publish Publish Address Publish Addres			TIME	RATE	AMOUNT
Helper Helper Other Charges Description of Work: Pull water surgestions of Work: Pull water surgestions of Work: Pull water surgestions of Work: Pho 398-4960 LOVINGTON 396-4948 GANDY CORPORATION RILL TRUCKS - VACHUM TRUCKS - WINCH TRUCKS TANK CLEANING ON TREATING ROUSTASOUTHING SURTEATING ROUSTASOUTHING SURGESTION ROUSTASOUTHI	Diesel Brine Water Fresh Wate	r			
Helper Helper Other Charges Description of Work: Pull water surgestions of Work: Pull water surgestions of Work: Pull water surgestions of Work: Pho 398-4960 LOVINGTON 396-4948 GANDY CORPORATION RILL TRUCKS - VACHUM TRUCKS - WINCH TRUCKS TANK CLEANING ON TREATING ROUSTASOUTHING SURTEATING ROUSTASOUTHING SURGESTION ROUSTASOUTHI	Driver, Operator or Pusher Kickert	anis	21	56.00	2.24.00
Description of Work Descripti	Helper				
Other Charges Description of Work: Pell water and signal Authorized by: Sub Total Sales Tax Authorized by: Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Supersider to Sub Total AM Time Out Diesel Sub Total AM Time Out Diesel Supersider to Supersi	Helper				,
Description of Work: Pull water Augusta, and pull and augusta and Sales Tax 13.3C. Authorized by: Sales Tax 13.3C. Authorized by: TOTAL 237.3C SUBTOTAL 237.3C SOURCE CALL PHO 398-4960 LOVINGTON 398-4948 KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING ONLY TATUM, NEW MEXICO 8826: TANK CLEANING - OIL TREATING NOSCE #14225 Truck No. 30.2 Purchase Number. Prom. Rig No. Location To Lose Line Low Sw. D. Well No. Location To Lose Company Fesh Water Crude Oil Salt Water Acid Bbls Hauled Driver, Operator or Pusher MARTIN FARLANDER Helper Helper Helper Helper Helper Helper Helper Description of Work: Haul water From The pit To The display Sales Tax 26.66 Sales Tax 26.67 Sal	Helper				
Authorized by: Authorized by: Sales Tax 13.3C. TOTAL 337.3C TOTAL 33	Other Charges				
Authorized by: Authorized by: Sales Tax 13.3C. TOTAL 337.3C TOTAL 33				<u> </u>	
Authorized by: Sales Tax 13.3C TOTAL 237.3C 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 NNSCC #14225 Truck No. 302 Truck No. 302 Truck No. 179784 To Lease Lane Lane Lane From. Rig No. Location To Lease Lane Lane Time Out AM. Time In. AM. TIME RATE AMOUNT Time Out Shire Water Fresh Water Crude Oil Salt Water Acid Bbis. Hauled Driver, Operator or Pusher MARTIN Harnan dez Description of Work: Half water From The pit To The dispose Sales Tax 2666 Sales Tax 2666 TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TAUM.NEW MEXICO 8826 TATUM. NEW MEXICO 8826 TA	Description of Work: Tell wales	ou g py and			
Authorized by: Sales Tax 13.3C TOTAL 237.3C 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 NNSCC #14225 Truck No. 302 Truck No. 302 Truck No. 179784 To Lease Lane Lane Lane From. Rig No. Location To Lease Lane Lane Time Out AM. Time In. AM. TIME RATE AMOUNT Time Out Shire Water Fresh Water Crude Oil Salt Water Acid Bbis. Hauled Driver, Operator or Pusher MARTIN Harnan dez Description of Work: Half water From The pit To The dispose Sales Tax 2666 Sales Tax 2666 TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TOTAL 237.3C TAUM.NEW MEXICO 8826 TATUM. NEW MEXICO 8826 TA	haul for Burso a	good as			22/100
Authorized by: SUPERIOR 101 24-HOUR SERVICE, CALL, PHO. 388-4980 LOVINGTON 396-4948 RILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING OIL TREATING ROUSTABOUTING NMSCC #14225 Date 10 - 11 - 95 Truck No. Joseph Order No. Number. Prom Rig No. Location To Lea And John P.M. Time In. A.M. Time RATE AMOUNT Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher Helper Helper Helper Helper Helper Helper Helper Other Charges Description of Work: Haul water From The JiT To The JISPO Sales Tax 26.00 Sales T	duelles "			***	12 30
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 Truck No. 3 0 2 Truck No. 3 0 2 Truck No. Location To Leak And A.M. Time In. P.M. Time In. P.M. Time In. P.M. Diesel Brine Water Presh Water Crude Oil Salt Water) Acid Bbis. Hauled Driver, Operator or Pusher Helper Helper Other Charges Description of Work: Haul water From Charles And A.M. A.M. A.M. Time In. P.M. Time In. P.M. Diesel Brine Water Presh Water Presh Water Crude Oil Salt Water) Acid Bbis. Hauled Driver, Operator or Pusher Haul water From Charles And A.M. A.M. A.M. Time In. P.M. Siles Acid Bbis. Hauled Driver, Operator or Pusher Helper Helper Other Charges Description of Work: Haul water From Sub Total 448 of Sales Tax 266 of Sal		Ac 10 mm			$\frac{10.00}{10000000000000000000000000000000$
CALL PHO 398-4948 GANDY CORPORATION KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS TANK CLEANING - OIL TREATING ROUSTABOUTING NMSCC *14225 Truck No. Prom. Rig No. Location To Lene Amel Amel Amelon Driver, Operator or Pusher Helper Helper Other Charges Description of Work: Haul water From Description of Work: Haul water From CANDY CORPORATION I109 E. BROADWAY BOX 827 TATUM. NEW MEXICO 8826 TOM. No. TATUM. NEW MEXICO 8826 TOM. No. TATUM. NEW MEXICO 8826 TOM. No. TATUM. NEW MEXICO 8826 TATUM. NEW MEXICO 8826 TOM. No. TOM. TIME No. TATUM. NEW MEXICO 8826 TOM. No. TOM. TIME No. TATUM. NEW MEXICO 8826 TOM. No. TOM. TOM. No. TOM. TOM. No. TOM. TOM. No. TOM. TOM. No. TOM. No.		UNX L		TOTAL	03113U
Company () Parary Order No. Number From Rig No. Location To Lease Are See See See Number Time Out See See See Number A.M. Time In P.M. Time In Time In P.M. Time In T	10-19-95	ROUSTABOUTING NMSCC #14225	2	1797	784
From Rig No. Location To Lease Are See See Well No. Location Time Out P.M. Time In P.M. Time In P.M. Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Harnandez 8 56.00 4448.00 Helper Helper Other Charges Description of Work: Hau I water From The pit to To The display Sales Tax 26.60	1/10/02 2000	Purchase	In		
Time Out P.M. Time In P.M. Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Haruan dez Helper Helper Other Charges Description of Work: Haul water Fresh Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Haruan dez Bols. Hauled Driver, Operator or Pusher Martin Haruan dez Bols. Hauled Solve O 4448.00 Helper Other Charges Description of Work: Haul water From The pit To The dispo-Sales Tax 26.60 Sales Tax Martin Martin Martin Haruan dez Sales Tax Martin Martin Haruan dez Sales Tax Martin Martin Haruan dez Bols. Hauled Solve O 4448.00 Sales Tax Martin Haruan dez Sales Tax Martin Martin Haruan dez Sales Tax Martin Martin Haruan dez Sales Tax Martin Haruan dez			Locati	ion	70.1170
Time Out P.M. Time In P.M. Diesel Brine Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Haruan dez Helper Helper Other Charges Description of Work: Haul water From The pit to the disposition of Sales Tax A.M. Time In A.M. Time In P.M. A.M	To Lease Same Lake SW	Well No	Locati	ion	
Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Harnandez & 56.00 448.00 Helper Helper Other Charges Description of Work: Har I water Fresh Water Acid Bbls. Hauled Driver, Operator or Pusher MARTIN Harnandez & 56.00 448.00 Helper The pit To The disposition of Work: Sales Tax 26.60	A.M.	A.M.		T	AMOUNT
Driver, Operator or Pusher MARTIN Harnandez & 56.00 448.00 Helper Helper Other Charges Description of Work: Har / water From The pit to the dispo- Sales Tax 26.60	Diesel Brine Water Fresh Water				
Helper Helper Other Charges Description of Work: Hau! water From The pit to the dispo- Sales Tax 26.66		~······	77	رسم	11.10
Helper Other Charges Description of Work: Hau / water From The pit to the dispo- Sub Total 448 of Sales Tax Albertance Sub Total 448 of Sub Total 448 of Sub Total 50 of		TIN Harnandez	3	36.00	448.00
Other Charges Description of Work: Hau / water From The pit to the dispo- Sub Total 448 of Sales Tax 26.60					
Description of Work: Haul water From The pit to the dispo- Sub Total 448 of Sales Tax 26.60	Helper				
The pit to the dispo- Sub Total 448 or Sales Tax 26.60	Other Charges				
The pit to the dispo- Sub Total 448 00 Sales Tax 26.60	Description of Work:				
Sales Tax 26.60		water from			
(//1/2)	The pit To	The dispo-		Sub Total	44800
Authorized by: EUVOUS TOTAL 474,60	5 el	1//200		Sales Tax	26 60
STIPEDIOD IN		Done		TOTAL	474,60

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

Authorized by:

GANDY CORPORAGON

1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS

TANK CLEANING — OIL TREATING

ROUSTABOUTING

NMSCC #14225

179017

TOTAL

	Truck No 3//-35 8			
Company Jepanny apleating Co.	Purchase Order No	In	voice ımber	
From Lane Lake SmB	Rig No	Locatio	on	
To Lease H. m. S. Yu. D.	Well No	Location	on	
A.M.	A.M.	TIME	RATE	AMOUNT
Time Out P.M. Time In Diesel Brine Water Fresh Water Crude Oil Salt Water Acid Bbl	P.M.		,25	10.00
Driver, Operator or Pusher Stoven Dans		5.40	52.00	260.00
Helper				
Helper				
Helper				
Other Charges				
Description of Work: Drive to location Loc	aled 40bb/S out			
pito Stand by, and Hauled to				
lack to spand.	,		Sub Total	210.00
			Sales Tax	16.03
Authorized by: OK RH			TOTAL	286.03
LOVINGTON 396-4948	CORPORATIO	. 1		827
PHO. 398-4960 GANDY (LOVINGTON 396-4948 KILL TRUCKS — VAC TANK CLE,	CORPORATION TRUCKS - WINCH TRUCKS - WINCH TRUCKS - WINCH TRUCKS - WINCH TRUCK NO. 30 Truck No. 30	UCKS	BOX	827 4EXICO 88267
PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VAC TANK CLE. RC N Date 10-2 4-95	EUUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No	UCKS In	BOX ATUM, NEW N	827 4EXICO 88267
PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VAC TANK CLEA N	COUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No	UCKS In	TATUM. NEW N	827 4EXICO 88267
PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VAC TANK CLE RC N Date 10-24-95 Company Japany	EUUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No	UCKS In N	TATUM. NEW N	827 4EXICO 88267
Date 10-2 f. 95 Company Typerary From To Lease Land lake SWD A.M.	COUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M.	In N Locati	TATUM. NEW N	827 4EXICO 88267
Date 10-24-95 Company Japanary To Lease Lake SWN	COUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No	In N Locati	voice umber on RATE	827 MEXICO 88267 381
Date 10 - 2 from To Lease Land lake SWD Time Out P.M. Time In Diesel Brine Water TANDY KILL TRUCKS - VAC TANK CLE. RO N A.M. P.M. Time In Diesel Brine Water Fresh Water	COUM TRUCKS — WINCH TR ANING — OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M.	In N Locati	voice umber.	827 MEXICO 88267
Date 10 - 2 from To Lease Land lake SWD Time Out P.M. Time In Diesel Brine Water TANDY KILL TRUCKS - VAC TANK CLE. RO N A.M. P.M. Time In Diesel Brine Water Fresh Water	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	voice umber on RATE	827 MEXICO 88267 381
Date 10 - 2 4 95 Company From To Lease Faul Lake SWD Time Out P.M. Time In Diesel Brine Water Crude Oil Salt Water Acid Bb	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381
Date 10 - 2 for 95 Company 1	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381
Date 10 - 2 f. 95 Company 1 prompto Sull Trucks - VAC No. No. No. No. No. No. No. No. No. No.	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381
PHO. 398-4960 LOVINGTON 396-4948 KILL TRUCKS - VAC TANK CLE. RO N Date / O - Z / - 95 Company	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381
Date 10 - 2 f. 95 Company 1 prompto Sull Trucks - VAC No. No. No. No. No. No. No. No. No. No.	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381
Date 10 - 2 from 1998-4960 Date 10 - 2 from 1998-4960 Company 1998-4960 To Lease 1998 1998 1998 1998 1998 1998 1998 199	COUM TRUCKS - WINCH TR ANING - OIL TREATING DUSTABOUTING IMSCC #14225 Truck No Purchase Order No. Rig No. Well No. A.M. P.M.	In N Locati	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	827 MEXICO 88267 381

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

●GANDY CORPORA ●ON

KILL TRUCKS — VACUUM TRUCKS — WINCH TRUCKS TANK CLEANING — OIL TREATING ROUSTABOUTING 1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

	ROUSTABOUTING NMSCC #14225		110	
Date 10-26-95	Truck No. 327 Purchase		avoice	
Company TippERARY	Order No		Tumber	
From LANG LAKE SUD	Rig No	Locat	ion	
To Danso C.R.T	Well No	Locat	ion	
Time Out Q600 PM	Time In 18:30 PM	TIME	RATE	AMOUNT
Diesel Brine Water Fresh W. Crude Oil Salt Water Acid			2.50	325.00
	W Rindlisbach	12:5	56.00	700.00
Helper				
Helper				
Helper				
Other Charges				
Description of Work: LOAD B.S	dispose As directed.			1,05,00
			Sub Total	1,025.00
= 0/2+1 to			Sales Tax	60.00
Authorized by:			TOTAL	1,085.86
LOVINGTON 396-4948	ANDY CORPORATION		ВО	BROADWAY X 827 MEXICO 88267
	TRUCKS — VACUUM TRUCKS — WINCH TR TANK CLEANING — OIL TREATING ROUSTABOUTING NMSCC #14225	ucks	179	685
Date 10 - 26-95			_ •	

	NMS	CC #14225			1136	000
Date 10-96-95 Company Sipperary		Truck No 3 Purchase Order No.		In N	voice ımber	
From To Lease Lane Lake.		Rig No			on	
To Lease dare dake.	Sw D	Well No		Locati	on	
Time OutA.	M.		A.M. P.M.	TIME	RATE	AMOUNT
Crude Oil Salt Water Ac		Iauled				
Driver, Operator or Pusher Ro Je	40 Orranti	Α	***************************************	101/2	5600	588.00
Helper						
Helper						
Helper						
Other Charges						
Description of Work: Ficking	g up fluid o	from por	<i>-</i> ,			
					Sub Total	588.00
					Sales Tax	34.91
Authorized by:					TOTAL	622.91
20052122-101						

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

c

GANDY CORPORATION

KILL TRUCKS - VACUUM TRUCKS - WINCH TRUCKS
TANK CLEANING - OIL TREATING

ROUSTABOUTING NMSCC #14225 1109 E. BROADWAY BOX 827 TATUM, NEW MEXICO 88267

Date 11-7-95 Truck No. I Towns				
Company Tiperan	Purchase Order No	Inv Nu	8	
	Rig No	Locatio	on	
To Lease Land Lake SWU.	Well No	Locatio	on	
Time Out	A.M. P.M.	TIME	RATE	AMOUNT
	led		2.50	3000
Driver, Operator or Pusher & Sanchez from I	-}w	8,5	(2100	518 50
Helper				
Helper				
Helper				
Other Charges Jet out truck		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	}	4000
	of bs w			
CRI	SPOIL CI		Sub Total	8585
		· · · · · · · · · · · · · · · · · · ·	Sales Tax	5095
Authorized by:			TOTAL	4047
SUPERIOR-101				



OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

		DATE 11-4-95
OPERATOR Z	efferang Oil;	\$605
LEASE fras	Laker SalD	
TIME	OIL TOP	SEAL OFF
	H₂O TOP	
TIME	OIL TOP	SEAL ON
	H₂O TOP	
TICKET # /	75995	BBL. /20
TRUCK	27	
DRIVER	ul Rindled	och
DESTINATION	HIM	

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

DATE 11-4-95 TIME OIL TOP SEAL OFF H₂O TOP TIME OIL TOP SEAL ON H₂O TOP TICKET # 179439 BBL. /20 TRUCK 326 DRIVER Fausto Courton

DESTINATION CRI

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

		DATE 11-4-95
OPERATOR Z	epperary Oil	\$600
LEASE Lan	reparte Sed	
TIME	OIL TOP	SEAL OFF
(HALE	H₂O TOP	SCAE OF F
		0544 004
TIME	OIL TOP	SEAL ON
	H ₂ O TOP	
	2	
TICKET # /		BBL. /20
TRUCK P		
DRIVER Ta	usto baito	
DECTINATION	CKL	

DRIVER Fausto 1	TRUCK 326		TIME		TIME
austo baylon	Opple	H ₂ O TOP	OIL TOP	H ₂ O TOP	OIL TOP
	BBL /20		SEAL ON		SEAL OFF

P.O. BOX 827

TATUM, NEW MEXICO 88267

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

		DATE //-5-75
OPERATOR	Tipperary bil \$ we have SwD	6as
LEASE her	ue hape SWD	_
TIME	OIL TOP	SEAL OFF
	H₂O TOP	
TIME	OIL TOP	SEAL ON
2	012 10,	SEAL OIL
	H ₂ O TOP	
TICKET # /	•	BBL. / 20
TRUCK	26	
DRIVER For	usto bayton CRI SWD	,
DESTINATION	CRI SWO	

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

		DATE 11-3-95
OPERATOR _	Tionnand Oil #	695
LEASE La	Tipperases Oil & ne habe Swo	
12, 102		
TIME	OIL TOP	SEAL OFF
	H₂O TOP	
TIME	OIL TOP	SEAL ON
	H₂O TOP	
TICKET # /	179438	BBL. 120
TRUCK3	- •	
DRIVER FO	usto boutton	
DECTINATION	. •	

DESTINATION CRI	DRIVER Royclo Oraunta	TRUCK 302	TICKET # 179693			TIME		TIME
1	Oraunta		Es.		H ₂ O TOP	OIL TOP	H ₂ O TOP	OIL TOP
			ввц. <i>/ОО</i>	•		SEAL ON		SEAL OFF

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

OPERATOR Typing Sup Dils Gas

LEASE Land hake SWD

TIME OIL TOP SEAL OFF

H₂O TOP

TIME OIL TOP SEAL ON

H₂O TOP

BBL. WO

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	Tisperary Pil \$	•
LEASE 🙏	Tipperary bil \$ we hake SwD	
, ,		
TIME	OIL TOP	SEAL OFF
	H₂O TOP	
TIME	OIL TOP	SEAL ON
	H₂O TOP	
TICKET #	175978	BBL. <i>130</i>
TRUCK		
DRIVER L	aul Rendlisboar	<u> </u>
	ONCRI	

OPERATOR Lephenery	
LEASE Land hate SwD	
TIME OIL TOP	SEAL OFF
H ₂ O TOP	
TIME OIL TOP	SEAL ON
H ₂ O TOP	
TICKET # 179437	BBL. /20
TRUCK 326	
DESTINATION CRT SWD	

GANDY CORPORA

OILFIELD SERVICES
P.O. BOX 827

TATUM. NEW MEXICO 88267

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GANDY CURPURATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

OIL TOP

H₂O TOP

OIL TOP

H₂O TOP

OPERATOR Tipperary Oil & Gas

185168

LEASE Lane has

TIME

TIME

TICKET #

TRUCK_

DESTINATION HE M

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

TATUM. NEW MEXICO 88267

(505) 398-4960

P.O. BOX 827

GANDY CORPORATION

DATE 10-16-95			DATE 10-14-95
5	OPERATOR Z	ipperary Oil 3 e hake TwD	640
	LEASE Lan	e hake SwD	
SEAL OFF	TIME	OIL TOP	SEAL OFF
	{	H₂O TOP	
SEAL ON	TIME	OIL TOP	SEAL ON
		H₂O TOP	
BBL. 80	TICKET # /2	35166	вв. /Z С
	TRUCK 3	19	
	DRIVER BE	Il Khodes	
	DESTINATION .	H&M SWD	

TIME OIL TOP SEAL OFF H₂O TOP TICKET # /85/66 H₂O TOP BBL. /20 TRUCK \$/9 DRIVER B.// Rhades DESTINATION ##M

GAINDI CUKPUKATIUN

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

OPERATOR TIPPERATURE O, Littles

OIL TOP

H₂O TOP

OIL TOP

H₂O TOP

DRIVER JUAN Sarahia

LEASE Lane Lare SWA

TIME

TIME

DATE 10-14-95

SEAL OFF

SEAL ON

BBL. / ZO

GANDY CORPORATION

OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

		DATE 10-14-95
OPERATOR _	Tipperary ail &	695
LEASE _	ane Lake Said	
TIME	OIL TOP	SEAL OFF
	H₂O TOP	
TIME	OIL TOP	SEAL ON
	H₂O TOP	
TICKET #	179683	BBL. 120
•	_	, = =
TRUCK	10 A	
DRIVER K	sjellio Unantia	J
DESTINATION	ozellio Anantia v 6 andy Plan	X

**					
DESTINATION LET MY SWLD	DRIVER Laul	TRUCK 327	TICKET # 178748		TIME
m SWD	Smalleral			H ₂ O TOP	OIL TOP
			BBL. /20		SEAL ON

GANDY CORPORA

NEW MEXICO 88267

(505) 398-4960

P.O.

BOX 827

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P.O. BOX 827

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OILFIELD SERVICES

P.O. BOX 827

TATUM, NEW MEXICO 88267

(505) 398-4960

LEASE LAME LAKE SCOD

OPERATOR ___

LAPPERAL OLL \$ bas

		DATE 11-14-95			DATE 10-09-95
	1 pperary 01/3	les	OPERATOR	TIPPERALY	
LEASE Las	relate SUD		LEASE Lan	e Lake Swo	
TIME	OIL TOP	SEAL OFF	TIME	OIL TOP	SEAL OFF
(H₂O TOP			H₂O TOP	
TIME	OIL TOP	SEAL ON	TIME	OIL TOP	SEAL ON
	H₂O TOP			H₂O TOP	
TICKET # / Z	, '	BBL. /20	TICKET # /	79765	BBL. /20
TRUCK			TRUCK	200	
DRIVER _	an Sarabia		DRIVER	an Sarahia	4
DESTINATION .	Jenkins/		DESTINATION	an Sarahia bandy the	ant a
				7	

DESTINATION H\$ M ScUD H₂O TOP OIL TOP H₂O TOP OIL TOP SEAL OFF SEAL ON

GANDY CORPORATION

OILFIELD SERVICES

TATUM. NEW MEXICO 88267

(505) 398-4960

P.O. BOX 827





CONTROLLED ROVERY, INC. A Subsidiary of Trans American Weats Industries, Inc. Nº 031138

Ualha NIM	1/0 $3/$	9
Transporter G G G		
Permit or # 18317	Truck No.	·
Pipe Line or Lane Late	used to Mb89	
Operator Suro Propel	ne	
Top Gauge FtInBack Gauge		
Water Gauge FtIn	Barrels Water	
100 3 BS 6W	Gross Bbls Received	
For Transporter	CONTROLLED RECOVERY,	INC.
Truck ROJELIO Orrantia	Checked By	
10-95-500-3PT-#1101		
المؤلفة والمرابط المرابط المرابط والمستناف المنافع والمستناف والمستناف والمستناف والمتحافظ والمستناف والمستار والمستارين	and the contract contract contract and the contract contr	بمنا أعود فنطي فيصيب عديثين فياد
Ticket Asubeidiary of Tre	ED RECOVERY, INC. American Weete Industries, Inc. Nº 001	151
Ticket Hobbs, NM	American Waste Industries, Inc. Nº 001	.151 95 2
Ticket Hobbs, NM Transporter Permit or	American Waste Industries, Inc. Nºº 001	.151 95 2
Ticket Hobbs, NM Transporter	American Waste Industries, Inc. Nº 001	151 95 2 19692
Ticket Hobbs, NM Transporter Permit or Tender No. Pipe Line or	American Weete Industries, Inc. No. 19 Truck No.	151 95 2 19692
Ticket Hobbs, NM Transporter Permit or Tender No. Pipe Line or Lease Station Asubeidlary of Transporter Hobbs, NM Lane L	Issued to Swo Superary! Barrels FtIn	151 95 2 19692
Ticket Hobbs, NM Transporter Permit or Tender No. Pipe Line or Lease Station Operator Asubeidlary of Transporter Hobbs, NM Lane Lan	Issued to Supposery!	151 95 2 19692
Ticket Hobbs, NM Transporter Flower 18 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 5 6	Issued to Swo Superary! Truck No. Barrels Barrels Barrels	151 95 2 19692
Ticket Hobbs, NM Transporter Flower 18 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 5 6	Issued to Swo Superary! Truck No. Barrels Barrels Water	95 2 19692 7
Ticket Hobbs, NM Fransporter Permit or Tender No. Pipe Line or Lease Station Operator Top Gauge Ft In Back Gauge Water Gauge Ft In State Asubeidlary of Transporter Hobbs, NM Luke Luke Luke Asubeidlary of Transporter Hobbs, NM Luke Luke Top Gauge Ft In Back Gauge Water Gauge Ft In State Asubeidlary of Transporter Hobbs, NM	Truck No. 301 Issued to Suppersurf Barrels He Barrels Water Gross Bbls Received	95 2 19692 7

Nº . 2836

Box 1544 • Lovington, NM 88260 (505) 396-6862 Mobile 369-6832

PLEASE FILL IN COMPLETELY AND TAKE PINK COPY MAKE A SEPARATE TICKET FOR EACH LOAD HAULED

	Date / 👌	<u>·3∤-95</u>	Time	
	Trucking	co GAND	Y. COVF	7
	WHP#		"-, Un	it # <u>302</u>
	No. of Ba	rrels Unloaded	120	
	Company	Hauled For <u></u>	Urra.	Difeline
	Lease Na	me		· · · · · · · · · · · · · · · · · · ·
	Lease #			179689
		Driver_	Jelio.	Orvan t, A
,		,		
Truck CO	NTROLL	ED RECOVE		v° 001131
Hop.	þs, NМ	<u>/ 0 </u>	27	
Transporter Carly Permit or Tender No	7		_ Truck No.	302
Pipe Line or Lease Station	lake	_Issued to	<u> </u>	179686
Operator BULLO	P.pe	Mine		117000
Top Gauge FtIn	, Back Gauge I	FtIn	Barrels Delivere	0\5_be
Water Gauge FtIn	·		Bärrels Water _	
1009/	SStr	Gross Bbls Red	ceived	120
For Transporter		CONTRO	DLLED RE	ECOVERY, INC.
Driver Poste ho Orran		Checked By	////	
10-95-500-3PT-#1101				

H&M DISPOSAL

No

Nº 2755

Box 1544 • Lovington, NM 88260 (505) 396-6862 Mobile 369-6832

PREASE FILE IN COMPRETELY AND TAKE PINK COPY.
MAKE A SEPARATE FICKET FOR EACH LOAD HAUSED.

MATICA SEPARATE TICKET FOR PACELOAD HAUGED
10-15-95
Date
Trucking Co 6 AMICH
——————————————————————————————————————
WHP#Unit #
No. of Barrels Unloaded / 20
No. of Barreis Officialed 178748
Company Hauled For
Company Hauled For THE LAKE SWD
Lease #
Driver aud W Reudla G.
A STATE OF THE PROPERTY OF THE
The same of the sa
H&M DISPOSAL
Box 1544 • Lovington, NM 88260 Nº 2791
(505) 396-6862
Mobile 369-6832
PLEASE FILL IN COMPLETELY AND TAKE PINK COPY MAKE A SEPARATE TICKET FOR EACH LOAD HAULED.
Date 10-24-55 Time Dam Dpm
Date / O = 24 · G = Time
Trucking Co. Line of Manager
WHP# / 258 Unit # 277-725
No. of Barrels Unloaded
Company Hauled For The Porary 17907
Lease Name
1,0000 1,0000
Lease #

H&M DISPOSAL

Box 1544 • Lovington, NM 88260 (505) 396-6862 Mobile 369-6832 Nº 2736

Please file in completely and take pink copy

.			
Date/	1014-95	lime	O am O pr
Trucking Co	GARdy	·	
WHP#		Unit # <u>.</u> 7	12-7
No. of Barre	els Unloaded	120	· · · · · · · · · · · · · · · · · · ·
Company H	auled For/	I PERARY	
Lease Name	LANG	E LAKE	501)
Lease #			
	Driver Jacet	W.Ruce	level
;	TARRES SALE		
The same of the sa		OBSERVAÇENDE P	
Box 1544	DISPOS • Lovington, NM 8 505) 396-6862 cobile 369-6832	1/10	2757 4830
	FILL IN COMPLET SEPARATE TICKE	TELY AND TAK	E PINK COPY.
Date //	815-95.	Time	
Trucking C		164 (1020
WHP#		Unit #	302
No. of Barr	els Unloaded		:
Company H	auled For	pperc	XY COM
Lease Name	1 and	20/50	· 5 (c)
Lease #		:	

H&M DISPOSAL



2743

Box 1544 • Lovington, NM 88260 (505) 396-6862

Mobile 369-6832

PLEASE FILL IN COMPLETELY AND TAKE MAKE A SEPARATE TICKET FOR EACH LO

Date 10-14-9 Time O am O pm
Trucking Co Gand 4
WHP#Unit #
No. of Barrels Unloaded 120
Company Hauled For TI BRANK
Lease Name LAME LAKE SUN
Lease #
Driver Paula Rurlly h
The second decided the transfer of the second secon
H&M DISPOSAL Box 1544 • Lovington, NM 88260 (505) 396-6862 Mobile 369-6832 2741
PI-EASE FILE IN COMPLETELY AND TAKE PINK CORY MAKE AUSEZARAVE UCKET COR SACH LOAD HAUGED.
Date 10-14-95 Time Dam Dpm
Trucking Co GANDY
WHP#Unit #_32 7
No. of Barrels Unloaded /20
Company Hauled For TIPEE ARP
Lease Name LARE LAKE SWA

Driver Paul W Ridle IL

H&M DISPOSAL

Box 1544 • Lovington, NM 88260 (505) 396-6862 Mobile 369-6832

Nº . 2695

MARGIA SEPARATEGY CROPP TOR EACH LOAD HAD AND
Date 10 - 9.95 Time ampn
Trucking Co Handy OTA
WHP# 1759 Unit # 514
No. of Barrels Unloaded 75 Hall
Company Hauled For TIPPEVONY 179803
Lease Name
Lease # DUTTO Althe Kine
Driver Calent Sor Osetres
H&M Disposal BOX 1544 - 505/396-6862 № 9698 LOVINGTON, NM 88260
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 Gandley Conf
WHP # UNIT #
NO. OF BARRELS UNLOADED 120
COMPANY HAULED FOR . T pferaly
LEASE NAME Lane hake Soud
LEASE #

DRIVER Bill Rhodes

CONTROLLED RECOVERY INC. P.O. BOX 369 · HOBBS, NEW MEXICO 88241 (505) 393-1079 LEASE OPERATOR/COMPANY: LEASE NAME LANC TRANSPORTER COMPANY (2A A DG VEHICLE No.: DRIVER No. TYPE OF MATERIAL PRODUCTION WATER 1 DRILLING FLUIDS 1 COMPLETION FLUIDS XI TANK BOTTOMS 1 CONTAMINATED SOIL [] C-117 No.: 3 LOTHER MATERIAL DESCRIPTION VOLUME OF MATERIAL , [X BBLS. THIS WILL CERTIEY that the above Transporter loaded the material represented by this Transporter nent at the above described location, and that it was tendered by the above described shipper. This will certify no additional materials were added to this load, and that the material was delivered without incident, ACILITY REPRESENTATIVE: White - CRI Ganary - CRI Accounting Pink - CRI Accounting D-25251 CONTROLLED RECOVERY INC. P.O. BOX 369 · HOBBS, NEW MEXICO 88241 (505) 393-1079 LEASE OPERATOR/COMPANY TRANSPORTER COMPANY VEHICLE No.: DRIVER No. TYPE OF MATERIAL PRODUCTION WATER **DRILLING FLUIDS** [] COMPLETION FLUIDS .] TANK BOTTOMS CONTAMINATED SOIL 1 C-117 No. CTHER MATERIAL DESCRIPTION VOLUME OF MATERIAL [] 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. (SIGNATURE)

(SIGNATURE)

CONTROLLED RECOVERY	INC.
P.O. BOX 369 • HOBBS, NEW MEXI (505) 393-1079	
LEASE OPERATOR/COMPANY: Y HILLIPS	
LEASE NAME	
TRANSPORTER COMPANY GAND	TIME: 7, 3 5 AM/PM
DATE 1/- 4 - 55 VEHICLE No.:	DRIVER No.
TYPE OF MATERIAL [X] PRODUCTION WATER [] DRILLING FLUIDS [] CONTAMINATED SOIL [] OTHER MATERIAL [] DESCRIPTION CALL,	[] COMPLETION FLUIDS:
Caral Medical Control of the Control	というとでも発生を表する
and a real control of the control of	
THIS WILL CERTIFY that the above Transporter loaded the n Statement at the above described location, and that it was tendered by the that no additional materials were added to this load, and that the material DRIVER.	above described shipper. This will certify
FACILITY HERRESENTATIVE: LAST MANY	
	counting Gold Transporter
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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



633 Seventeenth Street Suite 1550 Denver, Colorado 80202



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

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