

1R - 426-37

REPORTS

DATE:

1/02/2003

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE FORM**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	N-29	N	29	21S	37E	LEA	Length	Width	Depth
							no box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ TOM KENNAAN _____ OTHER _____

Depth to Groundwater _____ 90 _____ feet NMOC SITE ASSESSMENT RANKING SCORE: _____ 10 _____

Date Started _____ 10/7/2002 _____ Date Completed _____ 12/27/2002 _____ OCD Witness _____ YES _____

Soil Excavated _____ 4000 _____ cubic yards Excavation Length _____ 165 _____ Width _____ 60 _____ Depth _____ 18* _____ feet

Soil Disposed _____ 84 _____ cubic yards Offsite Facility _____ Sundance _____ Location _____ Eunice, New Mexico _____

FINAL ANALYTICAL RESULTS: Sample Date _____ 12/30/2002 _____ Sample Depth _____ 20' _____

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOC guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10	<10	5140
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	478

General Description of Remedial Action: Delineation of this site found high TPH

and chloride impact under the junction box site to 40' bgs. Results from a soil boring under the box site indicated the TPH stopped before reaching groundwater but the chlorides continue to groundwater. In order to place the boring machine close to the impact, the excavation was backfilled to 20'bgs with clean soil. A compacted clay liner was installed and compaction tested. The excavation was backfilled with soil remediated on-site and contoured to the surrounding terrain. The backfill was packed in 5' lifts and a composite sample was taken from each lift and analyzed by a certified lab. A monitor well will be installed and sampled to monitor the ground water constituents. An annual report with the sampling results will be sent to the NMOC. The site will be restored to vegetation and a water proof junction box will be installed north of the remediated area.

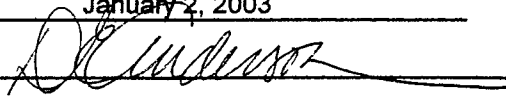
* A 15' x 15' area was excavated to 40' bgs (see enclosed figures)

TPH/CHLORIDE FIELD TESTS

LOCATION	Depth	TPH	mg/kg
SIDEWALLS	17'	N/A	4889
BOTTOM	20'	N/A	599
Remediated Soil	comp	211	1080
Surface	0'	N/A	487
15' Lift	5'	192	762
10' Lift	10'	206	886
5' Lift	15'	341	993

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE _____ January 2, 2003 _____ PRINTED NAME _____ D. E. Anderson _____

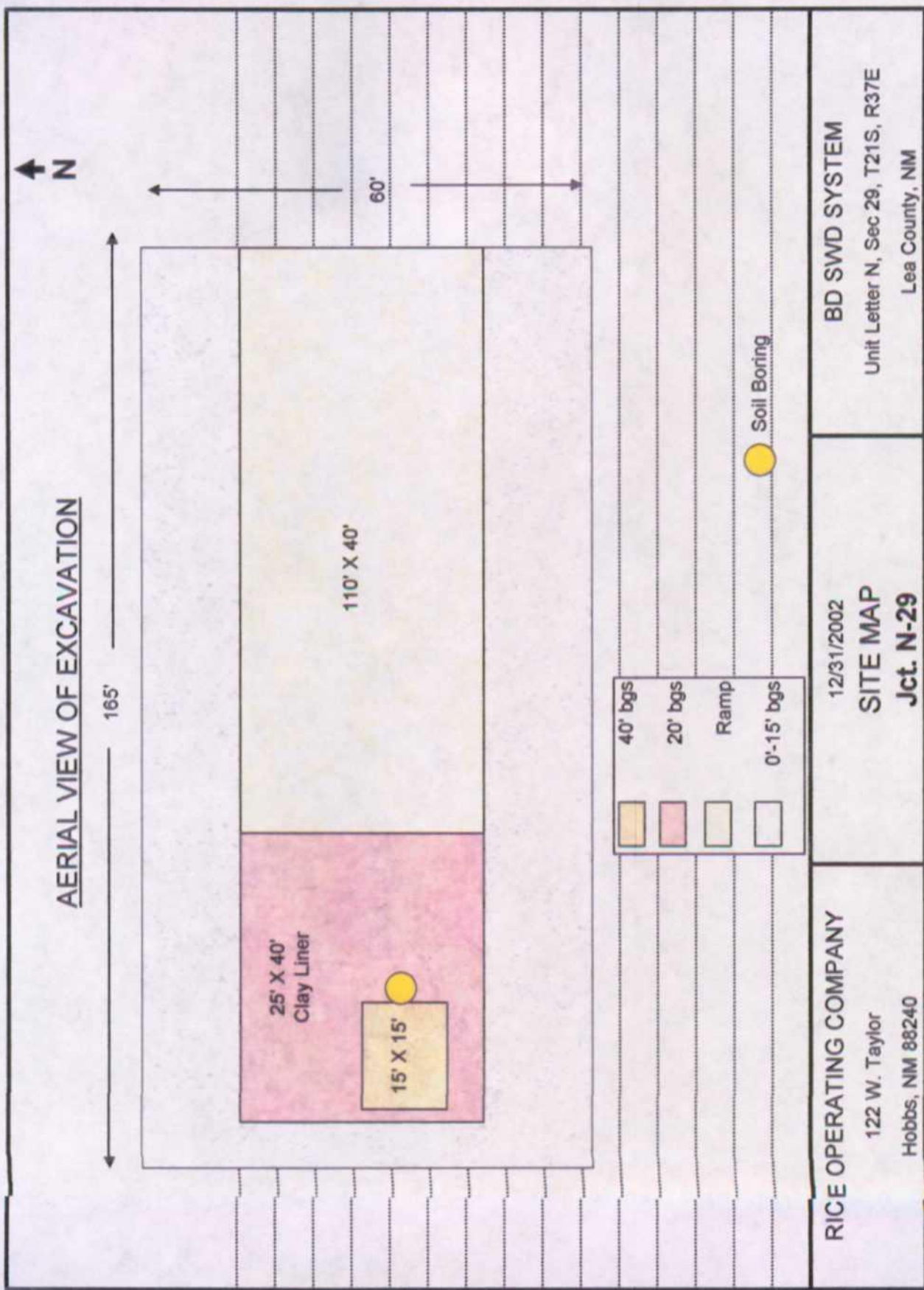
SIGNATURE _____  _____ TITLE _____ Project Leader - Environmental _____





Soil Bore

DRILLING LOG		Site Name/Location		Logged by: A Eades			
RICE Operating Company 122 West Taylor Hobbs, New Mexico 88240 Phone: (505) 393-9174 Fax: (505) 397-1471		Jct N-29 29-T21S-R37E BD SWD System Lea County, NM		Well No: MW1	Date Drilled: 11/22/02	Driller: Eades	Construction:
				Well Depth: 90'	Boring Depth: 53'	Well Material:	Backfill with
				Casing Length:	Boring Diameter: 4.75"	Casing Size:	bentonite and
				Screen Length:	Drilling Method: Air Rotary	Slut Size: N/A	cuttings.
TEST							
DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	Chlorides Field	(ppm) Lab	mg/kg TPH	Boring	
0	Ground surface						
	Topsoil						
	Caliche						
10						excavation	
20	BORING RIG PLACEMENT						Boring Start
						Soil Boring PID	Clean Backfill
					Lab		
30	tan sand w/caliche	Grab		142	<10	361	
		Grab		5000	<10	366	
40	moist	Grab	3626	4160	<10	245	Cuttings
	brown sand	Grab			<10	148	
50		Grab	3245	3630	<10	139	
	sand w/caliche rocks	Grab			47	320	
60		Grab	2696	3190	12	223	
	brown sand	Grab			<10	137	
70		Grab	2899	3010	12	61	
		Grab			19	181	
80		Grab	3899	4430	21	92	Bentonite
	sandstone						
	sand & sandstone	Grab	3234	3460	<10	127	
90	sand - wet	Grab	570	576	<10	2	



RICE OPERATING COMPANY

122 W. Taylor
Hobbs, NM 88240

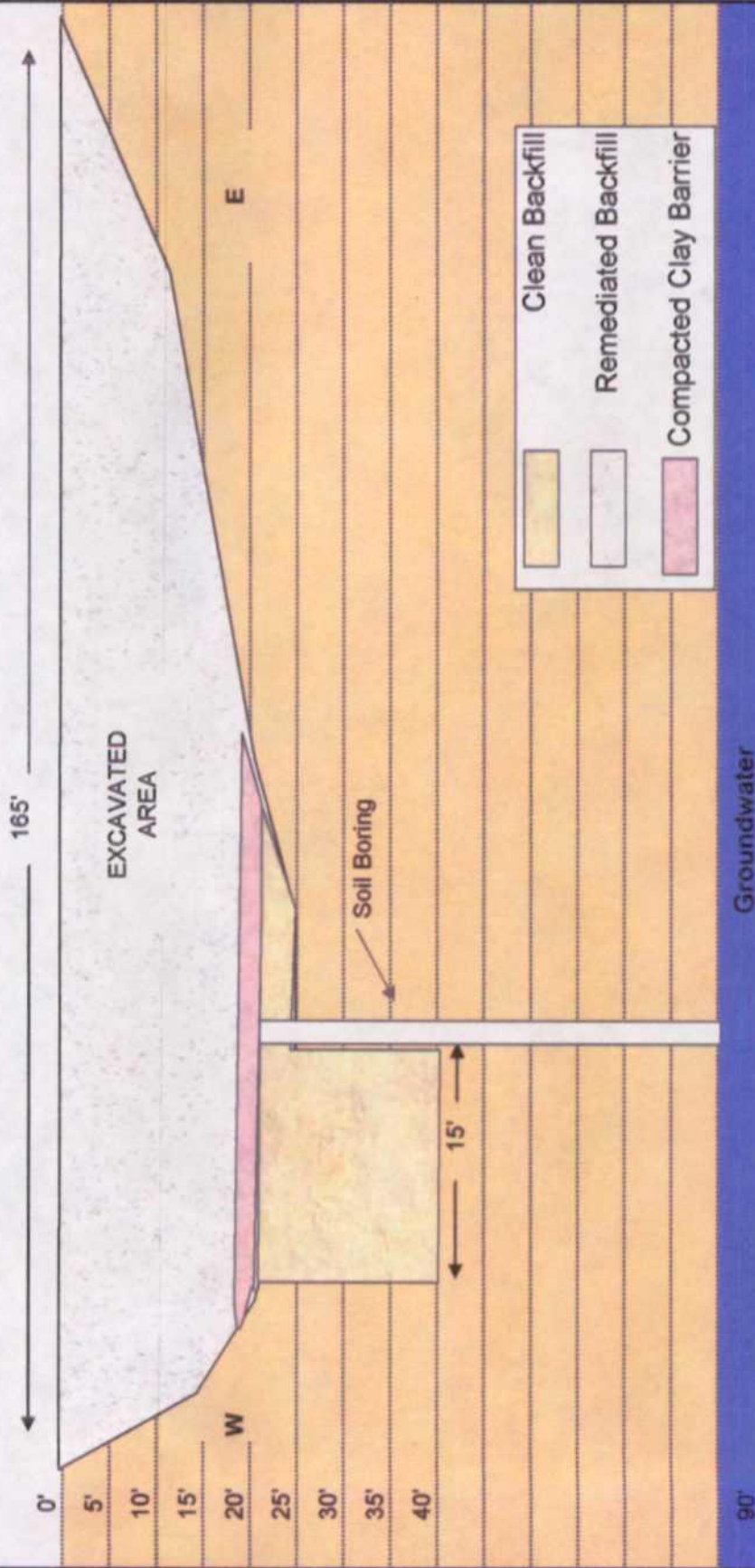
12/31/2002

SITE MAP
Jct. N-29

BD SWD SYSTEM

Unit Letter N, Sec 29, T21S, R37E
Lea County, NM

PROFILE VIEW OF IMPACT AREA



- Clean Backfill
- Remediated Backfill
- Compacted Clay Barrier

RICE OPERATING COMPANY

122 W. Taylor

Hobbs, NM 88240

12/31/2002

SITE MAP

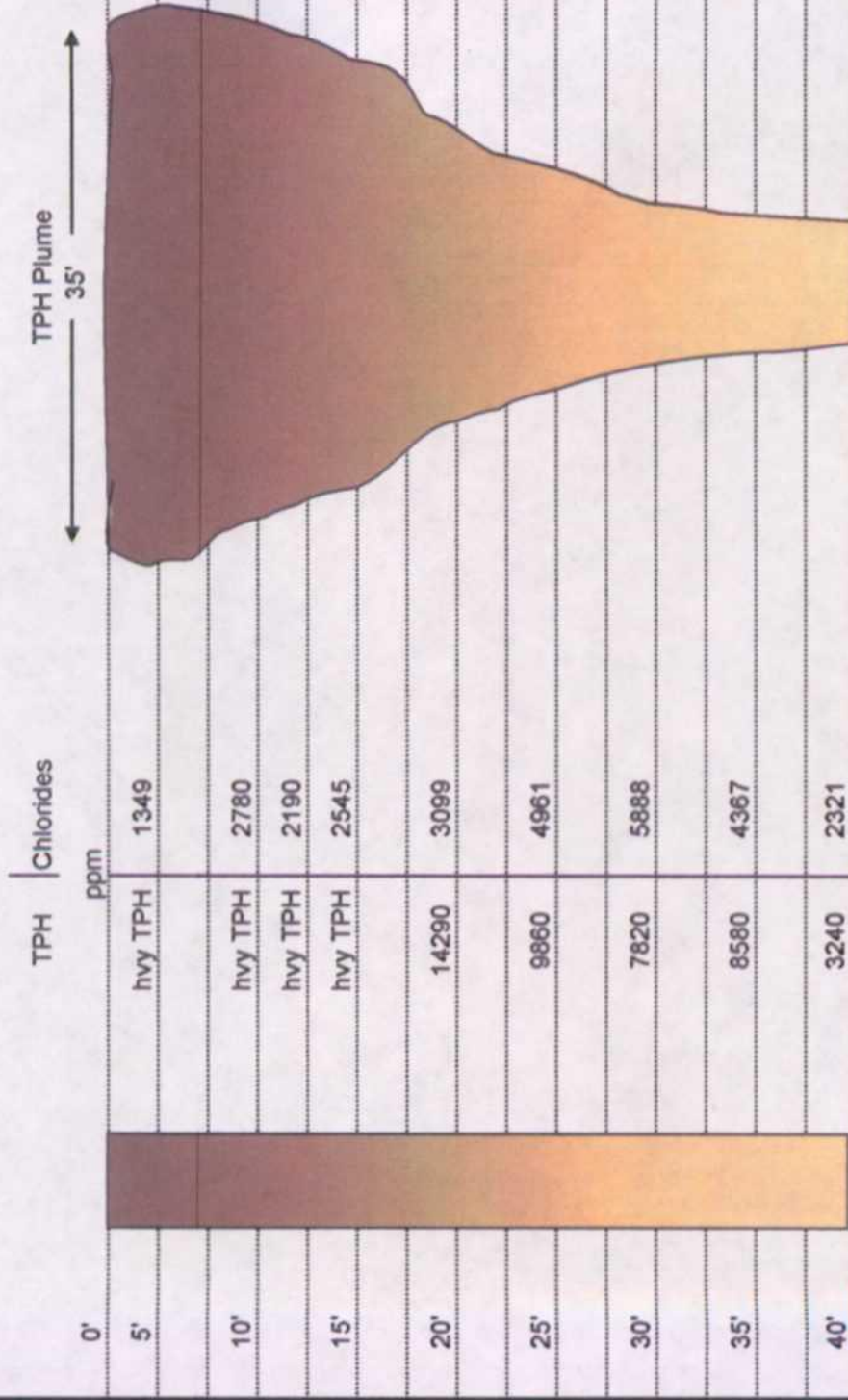
Jct. N-29

BD SWD SYSTEM

Unit Letter N, Sec 29, T21S, R37E

Lea County, NM

VERTICAL DELINEATION FIELD TESTS



RICE OPERATING COMPANY

122 W. Taylor
Hobbs, NM 88240

12/31/2002

SITE MAP

Jct. N-29

BD SWD SYSTEM

Unit Letter N, Sec 29, T21S, R37E
Lea County, NM

ANALYTICAL REPORT

Prepared for:

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Project: None Given

PO#:

Order#: G0205104

Report Date: 12/02/2002

*SOIL boring
N-29*

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701
687-5401

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

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

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0205104-01	N-29 SB 10'	SOIL	11/22/02 11:20	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-02	N-29 SB 15'	SOIL	11/22/02 11:25	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-03	N-29 SB 20'	SOIL	11/22/02 11:30	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-04	N-29 SB 25'	SOIL	11/22/02 11:35	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: -1 C		
0205104-05	N-29 SB 30'	SOIL	11/22/02 11:40	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-06	N-29 SB 35'	SOIL	11/22/02 11:45	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: -1 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701
687-5401

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0205104-07	N-29 SB 40'	SOIL	11/22/02 11:50	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-08	N-29 SB 45'	SOIL	11/22/02 11:55	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-09	N-29 SB 50'	SOIL	11/22/02 12:00	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: -1 C		
0205104-10	N-29 SB 55'	SOIL	11/22/02 12:05	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-11	N-29 SB 60'	SOIL	11/22/02 12:10	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M Chloride	Rejected: No		Temp: -1 C		
0205104-12	N-29 SB 65'	SOIL	11/22/02 12:15	11/22/02 15:00	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: -1 C		

ENVIRONMENTAL LAB OF TEXAS**SAMPLE WORK LIST**

ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701
687-5401

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

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

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0205104-13	N-29 SB 70'	SOIL	11/22/02 12:20	11/22/02 15:00	4 oz Glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1 C			
8015M						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-01
Sample ID: N-29 SB 10'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	92%	70	130
1-Chlorooctadecane	84%	70	130

Lab ID: 0205104-02
Sample ID: N-29 SB 15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	88%	70	130
1-Chlorooctadecane	79%	70	130

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-03
Sample ID: N-29 SB 20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	87%	70	130
1-Chlorooctadecane	78%	70	130

Lab ID: 0205104-04
Sample ID: N-29 SB 25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	86%	70	130
1-Chlorooctadecane	78%	70	130

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-04
Sample ID: N-29 SB 25'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003918-02		11/27/02 13:16	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	0.057	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	96%	80	120

Lab ID: 0205104-05
Sample ID: N-29 SB 30'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	74%	70	130
1-Chlorooctadecane	67%	70	130

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-06

Sample ID: N-29 SB 35'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	46.8	10.0
TOTAL, C6-C35	46.8	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	93%	70	130
1-Chlorooctadecane	86%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003918-02		11/27/02 13:36	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	0.046	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	93%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
 ARCADIS GERAGHTY & MILLER, INC.
 1004 N. BIG SPRING STREET, STE. 300
 MIDLAND, TX 79701

Order#: G0205104
 Project: MT0007680001
 Project Name: None Given
 Location: Eunice, NM

Lab ID: 0205104-07
 Sample ID: N-29 SB 40'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>CK</u>	<u>8015M</u>
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	12.0	10.0
TOTAL, C6-C35	12.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	82%	70	130
1-Chlorooctadecane	74%	70	130

Lab ID: 0205104-08
 Sample ID: N-29 SB 45'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>CK</u>	<u>8015M</u>
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	87%	70	130
1-Chlorooctadecane	79%	70	130

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-09
Sample ID: N-29 SB 50'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	11.8	10.0
TOTAL, C6-C35	11.8	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	81%	70	130
1-Chlorooctadecane	76%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003918-02		11/27/02 13:57	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	0.042	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	82%	80	120
Bromofluorobenzene	85%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-10
Sample ID: N-29 SB 55'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	19.2	10.0
TOTAL, C6-C35	19.2	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	74%	70	130
1-Chlorooctadecane	69%	70	130

Lab ID: 0205104-11
Sample ID: N-29 SB 60'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	21.1	10.0
TOTAL, C6-C35	21.1	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	84%	70	130
1-Chlorooctadecane	76%	70	130

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
 ARCADIS GERAGHTY & MILLER, INC.
 1004 N. BIG SPRING STREET, STE. 300
 MIDLAND, TX 79701

Order#: G0205104
 Project: MT0007680001
 Project Name: None Given
 Location: Eunice, NM

Lab ID: 0205104-12
 Sample ID: N-29 SB 65'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	88%	70	130
1-Chlorooctadecane	79%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003918-02		11/27/02 14:17	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	0.031	0.025
p/m-Xylene	0.042	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	81%	80	120
Bromofluorobenzene	93%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-13

Sample ID: N-29 SB 70'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	96%	70	130
1-Chlorooctadecane	85%	70	130

Approval: Jeanne McMurrey 12-06-02
 Raland K. Tuttle, Lab Director, QA Officer Date
 Celcy D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Biezugbe, Lab Tech.
 Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
 ARCADIS GERAGHTY & MILLER, INC.
 1004 N. BIG SPRING STREET, STE. 300
 MIDLAND, TX 79701

Order#: G0205104
 Project: MT0007680001
 Project Name: None Given
 Location: Eunice, NM

Lab ID: 0205104-01
 Sample ID: N-29 SB 10'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	142	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-02
 Sample ID: N-29 SB 15'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	5000	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-03
 Sample ID: N-29 SB 20'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	4160	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-04
 Sample ID: N-29 SB 25'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	3540	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-05
 Sample ID: N-29 SB 30'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	3630	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-06
 Sample ID: N-29 SB 35'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	3630	mg/kg	1	20	9253	11/26/02	SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 3

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-07
Sample ID: N-29 SB 40'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	3190	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-08
Sample ID: N-29 SB 45'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	3370	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-09
Sample ID: N-29 SB 50'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	3010	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-10
Sample ID: N-29 SB 55'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	3190	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-11
Sample ID: N-29 SB 60'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	4430	mg/kg	1	20	9253	11/26/02	SB

Lab ID: 0205104-12
Sample ID: N-29 SB 65'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	3460	mg/kg	1	20	9253	11/26/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Sharon Hall
ARCADIS GERAGHTY & MILLER, INC.
1004 N. BIG SPRING STREET, STE. 300
MIDLAND, TX 79701

Order#: G0205104
Project: MT0007680001
Project Name: None Given
Location: Eunice, NM

Lab ID: 0205104-13
Sample ID: N-29 SB 70'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Chloride	576	mg/kg	1	20	9253	11/26/02	SB

Approval: Jeanne McMurrey 12-06-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****8015M****Order#: G0205104**

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003892-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205104-01	0	952	943	99.1%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205104-01	0	952	948	99.6%	0.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003892-05		1000	882	88.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205104

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003918-02			<0.025		
Ethylbenzene-mg/kg		0003918-02			<0.025		
Toluene-mg/kg		0003918-02			<0.025		
p/m-Xylene-mg/kg		0003918-02			<0.025		
o-Xylene-mg/kg		0003918-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205127-01	0	0.1	0.094	94.%	
Ethylbenzene-mg/kg		0205127-01	0	0.1	0.100	100.%	
Toluene-mg/kg		0205127-01	0	0.1	0.097	97.%	
p/m-Xylene-mg/kg		0205127-01	0	0.2	0.213	106.5%	
o-Xylene-mg/kg		0205127-01	0	0.1	0.103	103.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205127-01	0	0.1	0.090	90.%	4.3%
Ethylbenzene-mg/kg		0205127-01	0	0.1	0.097	97.%	3.%
Toluene-mg/kg		0205127-01	0	0.1	0.093	93.%	4.2%
p/m-Xylene-mg/kg		0205127-01	0	0.2	0.207	103.5%	2.9%
o-Xylene-mg/kg		0205127-01	0	0.1	0.098	98.%	5.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003918-05		0.1	0.089	89.%	
Ethylbenzene-mg/kg		0003918-05		0.1	0.096	96.%	
Toluene-mg/kg		0003918-05		0.1	0.093	93.%	
p/m-Xylene-mg/kg		0003918-05		0.2	0.203	101.5%	
o-Xylene-mg/kg		0003918-05		0.1	0.098	98.%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0205104

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003908-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205104-01	142	1000	1130	98.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205104-01	142	1000	1120	97.8%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003908-04		5000	4960	99.2%	

Environmental Lab of Texas I, Ltd.

**2600 West I-20 East
Odessa, Texas 79763**

Project Name: _____
Project #: MT000769.0001
Project Loc: Eunice NM
PO #: _____

Project Manager: Sharon Hall

Company Name: Arcadis

Company Address: 1004 N. Big Spring

City/State/Zip: Midland, TX 79701

Telephone No: (915) 687-5400

Fax No: (915) 687-5401

Sampler Signature: James Oml

Fax No: (915) 687-5401

Sampler Signature: Gang Dand

ORDER #:

[illegible]

Special Instructions:

Sample Containers Intact?
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Jess Onda	11/22/02	1500			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Rala dk Jund	11/22/02	1500

P. 22

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Rec-12.

ANALYTICAL REPORT

Prepared for:

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Project: BED Jct. Box N-29

PO#:

Order#: G0205342

Report Date: 12/30/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS**SAMPLE WORK LIST**

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

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

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0205342-01	Bottom Comp	SOIL	12/23/02	12/27/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205342-02	Sidewall Comp	SOIL	12/23/02	12/27/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205342-03	15' lift	SOIL	12/23/02	12/27/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205342-04	10' lift	SOIL	12/24/02	12/27/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205342-05	5' lift	SOIL	12/26/02	12/27/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

Lab ID: 0205342-01
Sample ID: Bottom Comp

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/27/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	87%	70	130
1-Chlorooctadecane	71%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004209-02		12/28/02 21:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	91%	80	120

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

Page 1 of 5

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

Lab ID: 0205342-02
Sample ID: Sidewall Comp

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/27/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	42.3	10.0
TOTAL, C6-C35	42.3	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	102%	70	130
1-Chlorooctadecane	86%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0004209-02		12/28/02 21:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	85%	80	120
Bromofluorobenzene	90%	80	120

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

Page 2 of 5

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

Lab ID: 0205342-03

Sample ID: 15' lift

8015M

<u>Method</u> Blank	<u>Date</u> Prepared	<u>Date</u> Analyzed	<u>Sample</u> Amount	<u>Dilution</u> Factor	<u>Analyst</u>	<u>Method</u>
		12/27/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	192	10.0
TOTAL, C6-C35	192	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	87%	70	130
1-Chlorooctadecane	74%	70	130

8021B/5030 BTEX

<u>Method</u> Blank	<u>Date</u> Prepared	<u>Date</u> Analyzed	<u>Sample</u> Amount	<u>Dilution</u> Factor	<u>Analyst</u>	<u>Method</u>
0004209-02		12/28/02	1	25	CK	8021B
		22:11				

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	87%	80	120

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

Page 3 of 5

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

Lab ID: 0205342-04
Sample ID: 10' lift

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/27/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	206	10.0
TOTAL, C6-C35	206	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	97%	70	130
1-Chlorooctadecane	90%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0004209-02		12/28/02 22:33	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

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

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jct. Box N-29
Location: None Given

Lab ID: 0205342-05
Sample ID: 5' lift

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/27/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	20.6	10.0
DRO, >C12-C35	320	10.0
TOTAL, C6-C35	341	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	83%	70	130
1-Chlorooctadecane	71%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0004209-02		12/30/02 10:52	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	85%	80	120

Approval: Jeanne McMurrey 12-30-02
 Raland K. Tuttle, Lab Director, QA Officer Date
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Biezugbe, Lab Tech.
 Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205342
Project:
Project Name: BED Jet. Box N-29
Location: None Given

Lab ID: 0205342-01
Sample ID: Bottom Comp

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	478	mg/kg	1	20	9253	12/30/02	SB

Lab ID: 0205342-02
Sample ID: Sidewall Comp

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	5140	mg/kg	1	20	9253	12/30/02	SB

Lab ID: 0205342-03
Sample ID: 15' lift

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	762	mg/kg	1	20	9253	12/30/02	SB

Lab ID: 0205342-04
Sample ID: 10' lift

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	886	mg/kg	1	20	9253	12/30/02	SB

Lab ID: 0205342-05
Sample ID: 5' lift

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	993	mg/kg	1	20	9253	12/30/02	SB

Approval: Jeanne McMurrey 12-30-02
 Raland K. Tuttle, Lab Director, QA Officer
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Riezugbe, Lab Tech.
 Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0205342

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004207-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004207-03		952	1220	128.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004207-04		952	1110	116.6%	9.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004207-05		1000	1116	111.6%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205342

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004209-02			<0.025		
Toluene-mg/kg		0004209-02			<0.025		
Ethylbenzene-mg/kg		0004209-02			<0.025		
p/m-Xylene-mg/kg		0004209-02			<0.025		
o-Xylene-mg/kg		0004209-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205342-05	0	0.1	0.100	100.0%	
Toluene-mg/kg		0205342-05	0	0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0205342-05	0	0.1	0.104	104.0%	
p/m-Xylene-mg/kg		0205342-05	0	0.2	0.208	104.0%	
o-Xylene-mg/kg		0205342-05	0	0.1	0.097	97.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205342-05	0	0.1	0.106	106.0%	5.8%
Toluene-mg/kg		0205342-05	0	0.1	0.108	108.0%	5.7%
Ethylbenzene-mg/kg		0205342-05	0	0.1	0.112	112.0%	7.4%
p/m-Xylene-mg/kg		0205342-05	0	0.2	0.227	113.5%	8.7%
o-Xylene-mg/kg		0205342-05	0	0.1	0.111	111.0%	13.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004209-05		0.1	0.110	110.0%	
Toluene-mg/kg		0004209-05		0.1	0.111	111.0%	
Ethylbenzene-mg/kg		0004209-05		0.1	0.110	110.0%	
p/m-Xylene-mg/kg		0004209-05		0.2	0.219	109.5%	
o-Xylene-mg/kg		0004209-05		0.1	0.104	104.0%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0205342

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004201-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205342-02	5140	1000	6130	99.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205342-02	5140	1000	6150	101.9%	0.3%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004201-04		4960	4960	100.9%	

12500 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Sampler Signature:

Fax No:

Project Name: BD det Box N-29

Project #:

Project Loc:

PO #:

Joe GOTS / Donnie Anderson

Public Operating

122 w Taylor

Huber, NM 88240

05 393 9174

Q. 10. $\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

LAB # (Not for client)		FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative						Matrix				Analyze For:										
						Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS / CL / SAR / EC	TPH 418.1	TPH TX-100540065	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 0021B/5030	Standard TAT	
	0205342-01	Bottom Comp.	12-23-02		1	X					X					X										
	02	Subsidiary Comp	12-23-02		1																					
	03	15' 1.1 ft	12-23-02		1																					
	04	10' 1.1 ft	12-24-02		1																					
	05	5' 1.1 ft	12-26-02		1																					

Special Instructions:

Relinquished by: Joe Zotto

Relinquished by: CD Hunter

Date: 12/27/12 14:30

Date: 12/27/12 16:40

Received by: [Signature]

Received by: [Signature]

Date: 12-27-12 1040

Sample Containers intact: ☒

Temperature Upon Receipt: ☒

Laboratory Comments: Rec 30

ANALYTICAL REPORT

Prepared for:

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Project: None Given

PO#:

Order#: G0205257

Report Date: 12/20/2002

*N-89 Rem Soil
before backfill*

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205257
Project:
Project Name: None Given
Location: BD SWD SYSTEM

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

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0205257-01	N-29 Rem Soil Comp	SOIL	12/13/02 14:00	12/13/02 17:44	4 oz Glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4C			
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205257
Project:
Project Name: None Given
Location: BD SWD SYSTEM

Lab ID: 0205257-01
Sample ID: N-29 Rem Soil Comp

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/14/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	25.2	10.0
DRO, >C12-C35	186	10.0
TOTAL, C6-C35	211	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	117%	70	130
1-Chlorooctadecane	125%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0004117-02		12/18/02 17:01	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	116%	80	120
Bromofluorobenzene	117%	80	120

Approval: Jeanne McMurrey 12-20-02
 Raland K. Tuttle, Lab Director, QA Officer Date
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Biezugbe, Lab Tech.
 Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0205257
Project:
Project Name: None Given
Location: BD SWD SYSTEM

Lab ID: 0205257-01
Sample ID: N-29 Rem Soil Comp

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Chloride	1080	mg/kg	1	20	9253	12/16/02	SB

Approval: Sara McMurray 12-20-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0205257

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004080-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205260-01	0	952	1080	113.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205260-01	0	952	962	101.1%	11.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004080-05		1000	950	95.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205257

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004117-02			<0.025		
Toluene-mg/kg		0004117-02			<0.025		
Ethylbenzene-mg/kg		0004117-02			<0.025		
p/m-Xylene-mg/kg		0004117-02			<0.025		
o-Xylene-mg/kg		0004117-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205251-02	0	0.1	0.105	105.%	
Toluene-mg/kg		0205251-02	0	0.1	0.111	111.%	
Ethylbenzene-mg/kg		0205251-02	0	0.1	0.108	108.%	
p/m-Xylene-mg/kg		0205251-02	0	0.2	0.228	114.%	
o-Xylene-mg/kg		0205251-02	0	0.1	0.111	111.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0205251-02	0	0.1	0.109	109.%	3.7%
Toluene-mg/kg		0205251-02	0	0.1	0.114	114.%	2.7%
Ethylbenzene-mg/kg		0205251-02	0	0.1	0.112	112.%	3.6%
p/m-Xylene-mg/kg		0205251-02	0	0.2	0.233	116.5%	2.2%
o-Xylene-mg/kg		0205251-02	0	0.1	0.113	113.%	1.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004117-05		0.1	0.105	105.%	
Toluene-mg/kg		0004117-05		0.1	0.107	107.%	
Ethylbenzene-mg/kg		0004117-05		0.1	0.109	109.%	
p/m-Xylene-mg/kg		0004117-05		0.2	0.223	111.5%	
o-Xylene-mg/kg		0004117-05		0.1	0.107	107.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0205257

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004075-01			<20		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205258-01	0	1000	1010	101.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205258-01	0	1000	1010	101.0%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004075-04		5000	4960	99.2%	

ANALYTICAL REPORT

Prepared for:

JOE GATTS
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Project: None Given

PO#:

Order#: G0305381

Report Date: 01/06/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240
505-397-1471

Order#: G0305381
Project:
Project Name: None Given
Location: Final Lift

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

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0305381-01	N-29 Surface Lift	SOIL	12/27/02	1/2/03 19:10	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	n/a		
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

JOE GATTS
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305381
Project:
Project Name: None Given
Location: Final Lift

Lab ID: 0305381-01
Sample ID: N-29 Surface Lift

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
		1/3/03	1	1	RKT	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	21.2	10.0
DRO, >C12-C35	319	10.0
TOTAL, C6-C35	340	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	93%	70	130
1-Chlorooctadecane	81%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0004249-02		1/3/02	1	25	RKT	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	0.042	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	107%	80	120

Approval: Jeanne McMurrey 01-07-03
 Roland K. Tuttle, Lab Director, QA Officer Date
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Biczugbe, Lab Tech.
 Sara Molina, Lab Tech.

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

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

JOE GATTS
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305381
Project:
Project Name: None Given
Location: Final Lift

Lab ID: 0305381-01
Sample ID: N-29 Surface Lift

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	461	mg/kg	1	20	9253	1/3/03	SB

Approval: Jeanne McMurray 01-07-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celcy D. Keene, Org. Tech. Director
Jeanne McMurray, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0305381

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004245-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305379-02	0	952	937	98.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305379-02	0	952	908	95.4%	3.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004245-05		1000	798	79.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305381

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004249-02			<0.025		
Toluene-mg/kg		0004249-02			<0.025		
Ethylbenzene-mg/kg		0004249-02			<0.025		
p/m-Xylene-mg/kg		0004249-02			<0.025		
o-Xylene-mg/kg		0004249-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305380-06	0	0.1	0.105	105.0%	
Toluene-mg/kg		0305380-06	0	0.1	0.112	112.0%	
Ethylbenzene-mg/kg		0305380-06	0	0.1	0.113	113.0%	
p/m-Xylene-mg/kg		0305380-06	0	0.2	0.225	112.5%	
o-Xylene-mg/kg		0305380-06	0	0.1	0.108	108.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305380-06	0.105	0.1	0.102	102.0%	2.9%
Toluene-mg/kg		0305380-06	0.112	0.1	0.105	105.0%	6.5%
Ethylbenzene-mg/kg		0305380-06	0.113	0.1	0.104	104.0%	8.3%
p/m-Xylene-mg/kg		0305380-06	0.225	0.2	0.210	105.0%	6.9%
o-Xylene-mg/kg		0305380-06	0.108	0.1	0.102	102.0%	5.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004249-05		0.1	0.118	118.0%	
Toluene-mg/kg		0004249-05		0.1	0.113	113.0%	
Ethylbenzene-mg/kg		0004249-05		0.1	0.111	111.0%	
p/m-Xylene-mg/kg		0004249-05		0.2	0.232	116.0%	
o-Xylene-mg/kg		0004249-05		0.1	0.111	111.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305381

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004246-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305381-01	461	1000	1450	98.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305381-01	461	1000	1440	97.9%	0.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004246-04		5000	4960	99.2%	

12500 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Joe Gaffs

Company Name Rice Operating

Company Address: 122 W. Taylor

City/State/Zip: Hobbs NM 88240

Telephone No: 505 398-9174

Wm. L. Galt

Fax No:

Project #:

Final Lift

附:

[illegible]

Special Instructions:

CO/for you

Date	Time
11/2/03	19:10

Recorded by ELOI.
Karl. dK/p

Date	Time
------	------

Date	Time
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Sample Containers Initiated?
Temperature Upon Receipt
Laboratory Comments

0.8
p. 2



LABORATORY TEST REPORT
PETTIGREW and ASSOCIATES
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

DEBRA P. HICKS, P.E./L.S.J.
WILLIAM M. HICKS, III, P.E./P.S.

TO: Rice Operating Corporation
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

MATERIAL: Wallach - Red Clay

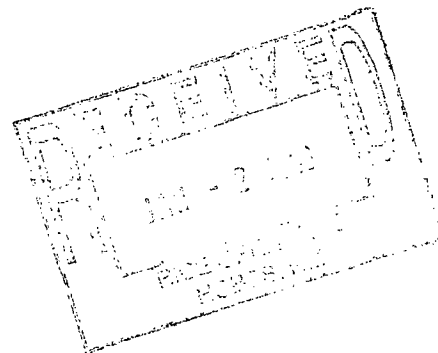
PROJECT: Junction N-29

TEST METHOD: ASTM: D 2922

DATE OF TEST: December 23, 2002

DEPTH: Finished Subgrade

TEST NO.	LOCATION	DRY DENSITY % Maximum	% MOISTURE	DEPTH
SG-1	15' N. and 8' E. of the SW Corner	99.9	18.2	



CONTROL DENSITY: 106.6
ASTM: D 698

OPTIMUM MOISTURE: 18.8%

REQUIRED COMPACTION: 95%

LAB NO.: 02 5880-5881

COPIES TO: Rice Operating

PETTIGREW and ASSOCIATES

BY: Don P. Hicks S.E.T.



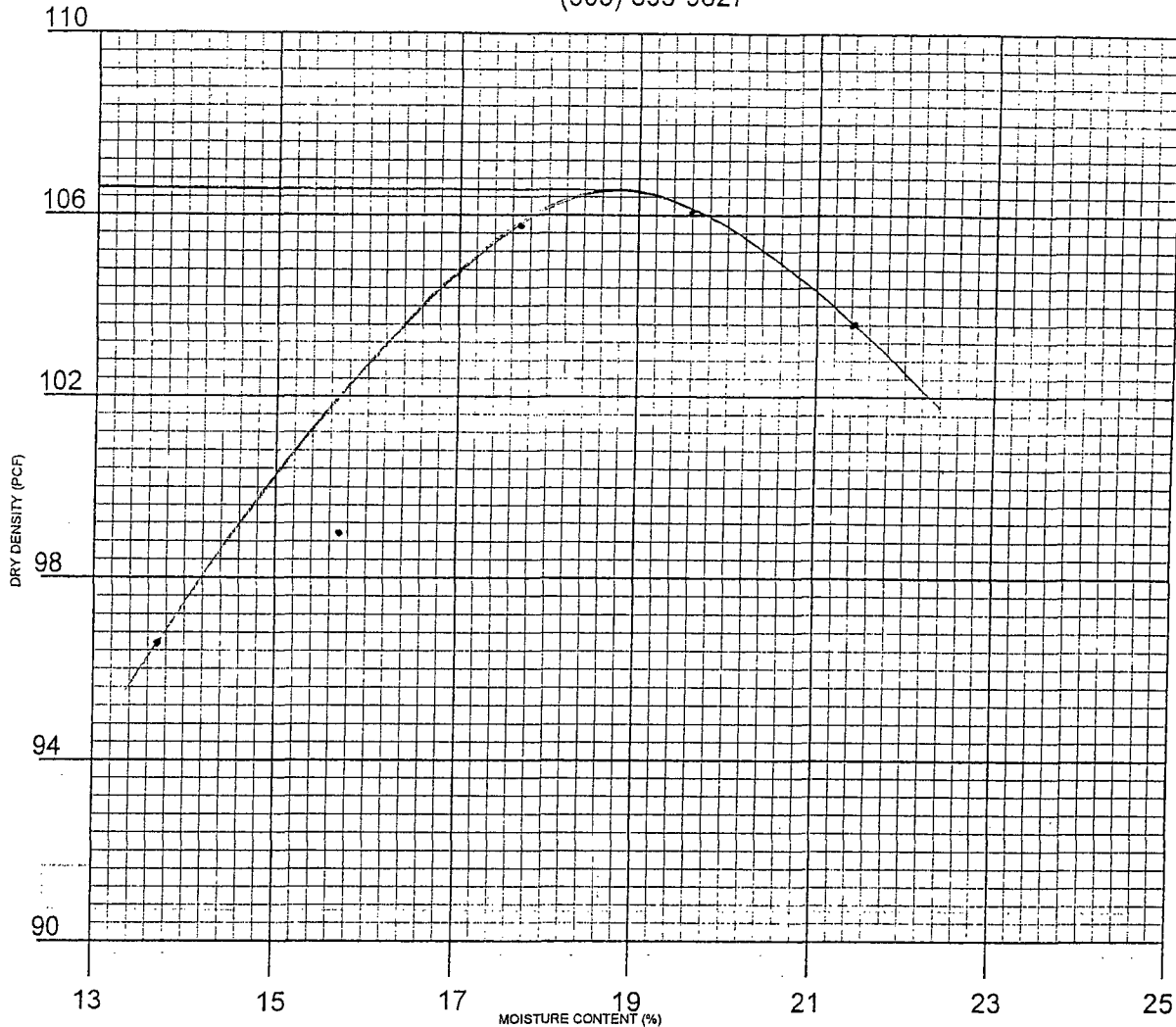
PETTIGREW and ASSOCIATES, P.A.

1110 N. GRIMES ST.

HOBBS, NM 88240

(505) 393-9827

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS III, P.E./P.S.



CLIENT: Rice Operating PROJECT: General Information

SAMPLE LOCATION: Stockpile

SOIL DESCRIPTION: Wallach Concrete- Red Clay

SOIL CLASSIFICATION: _____ TEST METHOD: ASTM: D 698

PERMEABILITY: _____ Sampled & Delivered 9/23/02

DATE: 9/24/02 LAB NO. 02-4343-4345

DRY WEIGHT LB/CU. FT. 106.6 MOISTURE CONTENT % 18.8

SIEVE ANALYSIS - % PASSING									

PETTIGREW and ASSOCIATES

COPIES: Rice - Donnie Anderson

BY: Don Pickett

Sundance Services, Inc. P.O. Box 1737 * Eunice, NM 88231 (505) 394-2511		NZ	59789
LEASE OPERATOR/SHIPPER/COMPANY: Rice			
LEASE NAME: B.D. Sullivan N-29			
TRANSPORTER COMPANY: Dalton			
DATE: 10-17-02 VEHICLE NO.: H 391 DRIVER NO.:			
CHARGE TO: Rice			
TYPE OF MATERIAL			
☐ Production Water ☐ Tank Bottoms ☐ Other Material: Description: Contaminated soil			
☐ Drilling Fluids ☐ Contaminated soil ☐ BS&W Content: Description: Contaminated soil			
TYPE OF MATERIAL: See 297015 R37E			
VOLUME OF MATERIAL [] BBLs. : [] YARD 14 : []			
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.			
ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.			
THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.			
DRIVER: Robert R. Riegler (SIGNATURE)			
FACILITY REPRESENTATIVE: Kelly Riegler (SIGNATURE)			
White Sundance: Canary-Sundance Act#1 Pink Sundance Act#2 Gold-Transporter Revised 12/27/95			

Sundance Services, Inc. P.O. Box 1737 * Eunice, NM 88231 (505) 394-2511		NZ	59787
LEASE OPERATOR/SHIPPER/COMPANY: Rice			
LEASE NAME: B.D. Sullivan N-29			
TRANSPORTER COMPANY: Ed Watson			
DATE: 10-7-02 VEHICLE NO.: 391 DRIVER NO.:			
CHARGE TO: Rice			
TYPE OF MATERIAL			
☐ Production Water ☐ Tank Bottoms ☐ Other Material: Description: Contaminated soil			
☐ Drilling Fluids ☐ Contaminated soil ☐ BS&W Content: Description: Contaminated soil			
TYPE OF MATERIAL: See 297215 R37E			
VOLUME OF MATERIAL [] BBLs. : [] YARD 14 : []			
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.			
ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.			
THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.			
DRIVER: Robert R. Riegler (SIGNATURE)			
FACILITY REPRESENTATIVE: Kelly Riegler (SIGNATURE)			
White Sundance: Canary-Sundance Act#1 Pink Sundance Act#2 Gold-Transporter Revised 12/27/95			

Sundance Services, Inc. P.O. Box 1737 * Eunice, NM 88231 (505) 394-2511		NC 59800
LEASE OPERATOR/SHIPPER/COMPANY: <u>POE</u>		
LEASE NAME: <u>8A Sub A Jet 11-29</u>		
TRANSPORTER COMPANY: <u>EA National</u>		
DATE: <u>11-2-02</u> VEHICLE NO.: <u>591</u>		TIME: <u>AM/PM</u>
CHARGE TO: <u>POE</u>		
TYPE OF MATERIAL		
☐ Production Water ☐ Tank Bottoms ☐ Other Material:		
Description: <u>Light Sol.</u>		
☐ Drilling Fluids ☐ Contaminated soil ☐ BSAW Content:		
☐ Completion Fluids ☐ C-117 No.:		
VOLUME OF MATERIAL [] BBLs. : <u>14</u> YARD : <u>14</u> : []		
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.		
DRIVER: <u>Roberto Rivera</u> (SIGNATURE)		
FACILITY REPRESENTATIVE: <u>Stephen Davis</u> (SIGNATURE)		

Sundance Services, Inc. P.O. Box 1737 * Eunice, NM 88231 (505) 394-2511		NC 59796
LEASE OPERATOR/SHIPPER/COMPANY: <u>Rice</u>		
LEASE NAME: <u>R.D. SLD</u>		
TRANSPORTER COMPANY: <u>E.D. Wotton</u>		
DATE: <u>10-7-02</u> VEHICLE NO.: <u>391</u>		TIME: <u>AM/PM</u>
CHARGE TO: <u>Rice</u>		
TYPE OF MATERIAL		
☐ Production Water ☐ Tank Bottoms ☐ Other Material:		
Description: <u>oil/gel</u>		
☐ Drilling Fluids ☐ Contaminated soil ☐ BSAW Content:		
☐ Completion Fluids ☐ C-117 No.:		
VOLUME OF MATERIAL [] BBLs. : <u>14</u> YARD : <u>14</u> : []		
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.		
DRIVER: <u>Roberto Rivera</u> (SIGNATURE)		
FACILITY REPRESENTATIVE: <u>Stephen Davis</u> (SIGNATURE)		

