District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Rice Operating Company	Contact: Bryan Clay
Address: 122 W. Taylor Hobbs, New Mexico	Telephone No.: 505-393-9174
Facility Name: ~~[illegible]~~ CONOCO F-1 (12/04)	Facility Type: SWD Gathering Line

Surface Owner: State of New Mexico	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
U	1	21S	36E					Lea

Latitude: Longitude:

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 40 bbls	Volume Recovered: 35 bbls
Source of Release: Pipeline	Date and Hour of Occurrence: 12/3/04	Date and Hour of Discovery: 12/3/04 @ 11:15 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheeley	
By Whom? Bryan Clay	Date and Hour: 12/3/04 @ 2:55 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 3-inch rubber gasket slipped from between the flanges of connecting steel and poly lines. The releases water was immediately recovered.

Describe Area Affected and Cleanup Action Taken.*
The affected area was approximately 4828 square feet with the majority on a low-lying drive path.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Jennifer A Johnson	OIL CONSERVATION DIVISION	
Printed Name: Jennifer Johnson	Approved by District Supervisor: Chris Williams	
Title: Environmental Technician	Approval Date: 7/17/07	Expiration Date: 7/17/07
E-mail Address: jjriceswd@valornet.com	Conditions of Approval:	Attached ☐
Date: 1/30/06 Phone: 505-393-9174		

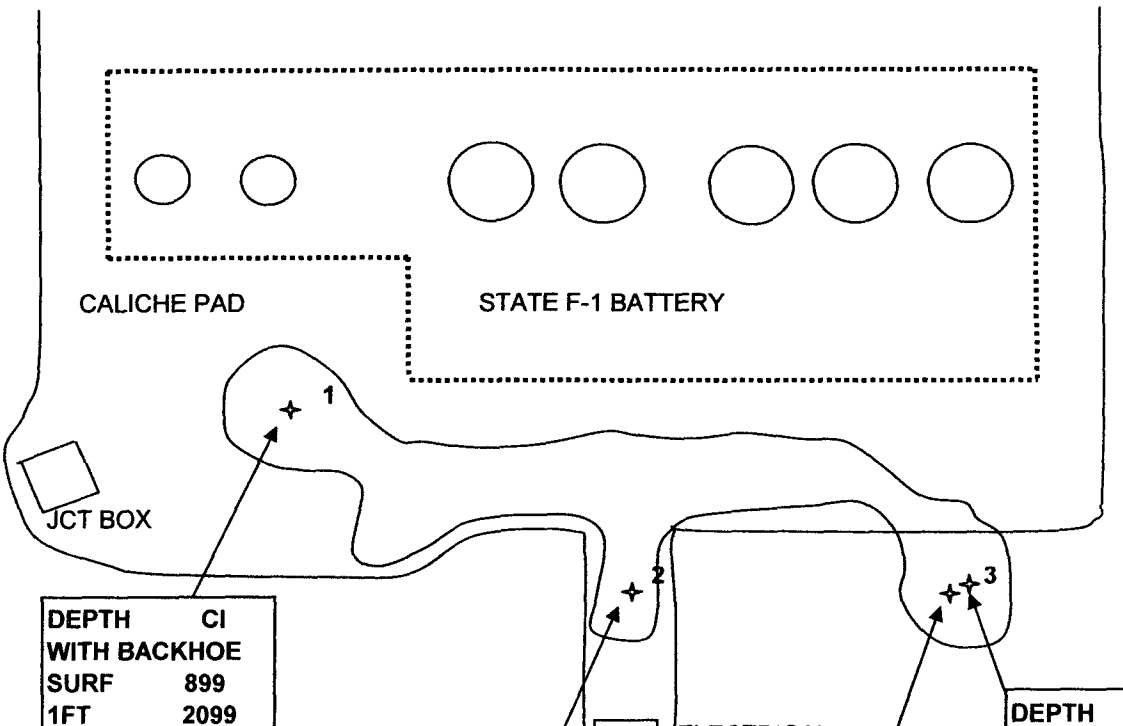
* Attach Additional Sheets If Necessary

RP# 1486

N

EME CONOCO F-1 LEAK

UL/U SEC 1 T-21-S R-36-E GW 92ft

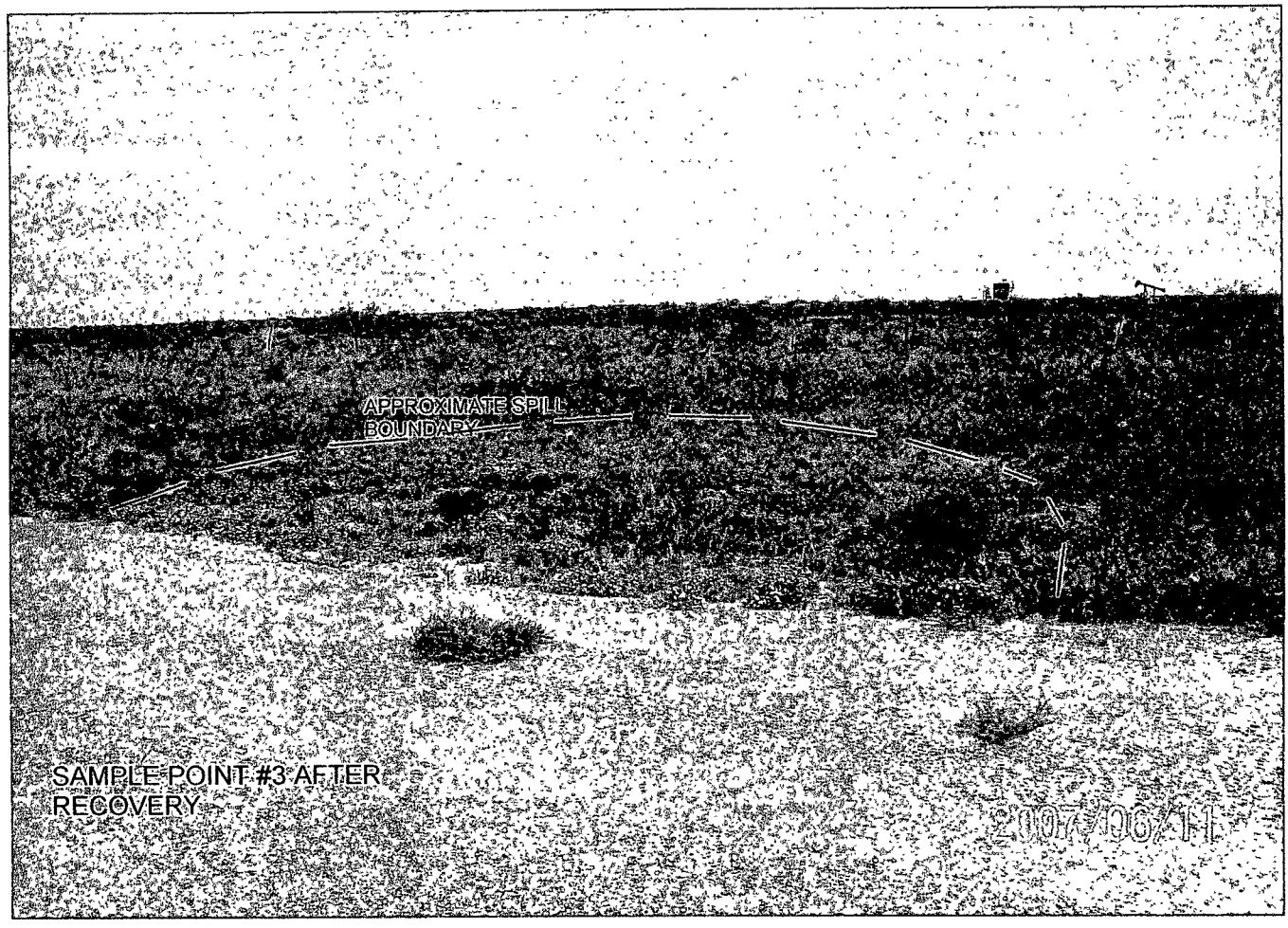


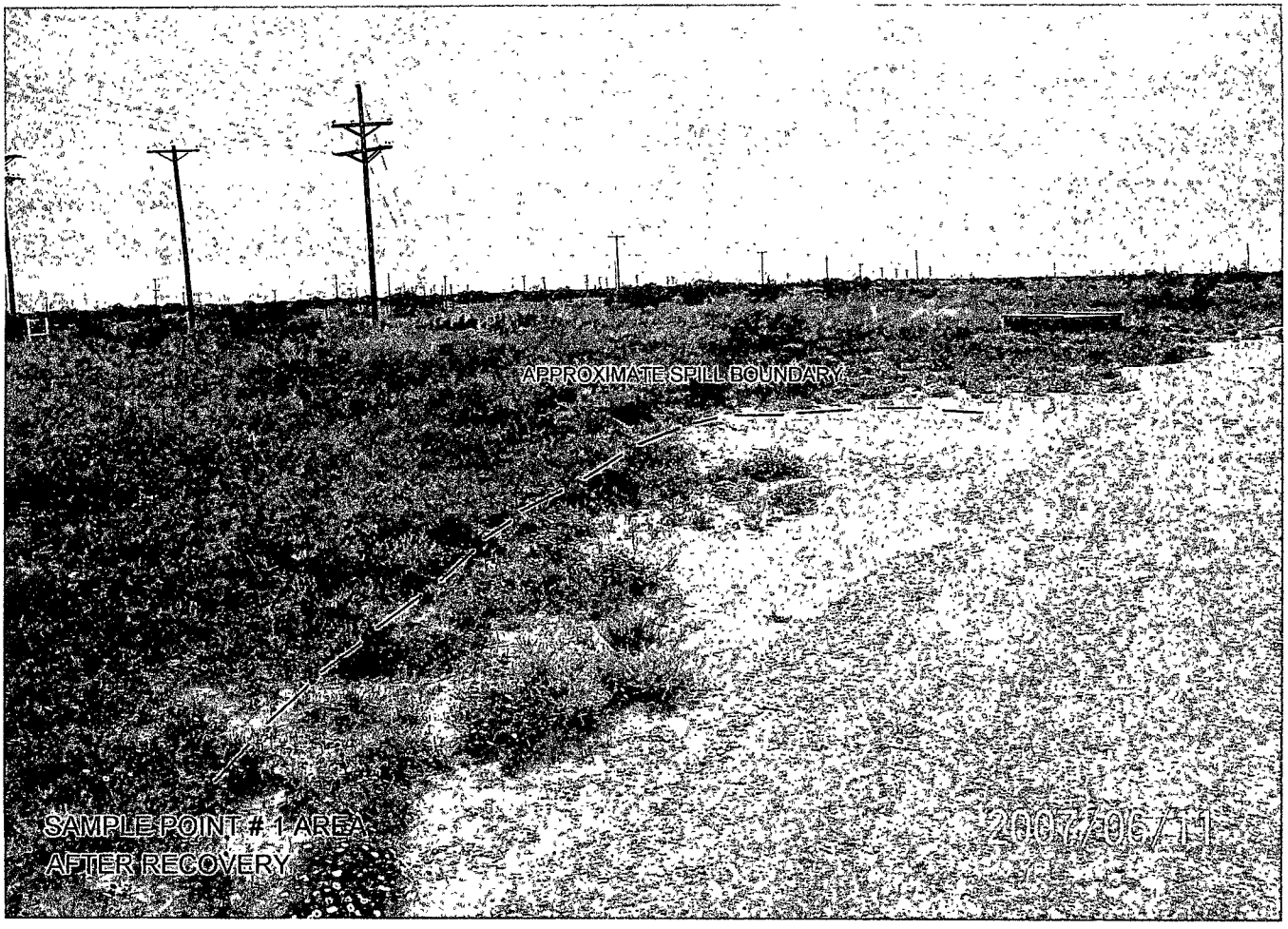
DEPTH WITH BACKHOE	Cl
SURF	899
1FT	2099
2FT	1439
3FT	1211
4FT	536
5FT	1280
6FT	1624
7FT	1684
8FT	747
9FT	692
10FT	541

DEPTH WITH BACKHOE	Cl
SURF	3971
1FT	820
2FT	747
3FT	661
4FT	727
5FT	235
6FT	243
7FT	150

BOREHOLE	
15-20FT	1021
20-25FT	322
25-30FT	339
30-35FT	132
LAB RESULTS	
30FT	
Cl	59.2
DRO	0
GRO	0

DEPTH WITH BACKHOE	Cl
SURF	1079
1FT	1139
2FT	1079
3FT	601
4FT	1328
5FT	1484
6FT	2143
7FT	2129
8FT	1834
9FT	1942
10FT	2387
11FT	1656
12FT	2425
13FT	2243
14FT	1511
15FT	1932


APPROXIMATE SPILL BOUNDARY
SAMPLE POINT #3 AFTER RECOVERY
2007/06/11


APPROXIMATE SPILL BOUNDARY
SAMPLE POINT # 1 AREA AFTER RECOVERY
2007/06/11

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Conoco F-1

Project Number: None Given

Location: None Given

Lab Order Number: 5L15003

Report Date: 12/23/05

Rice Operating Co.	Project: EME Conoco F-1	Fax. (505) 397-1471
122 W Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager. Kristin Farris-Pope	12/23/05 15:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EME Conoco F-1@ 30'bgs	5L15003-01	Soil	12/12/05 14:20	12/15/05 08:00

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

Rice Operating Co	Project: EME Conoco F-1	Fax. (505) 397-1471
122 W. Taylor	Project Number. None Given	**Reported:**
Hobbs NM, 88240	Project Manager. Kristin Farris-Pope	12/23/05 15 47

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EME Conoco F-1@ 30'bgs (5L15003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51506	12/15/05	12/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"	"	"	
Surrogate. 1-Chlorooctane		*81.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*70 4 %*	*70-130*		"	"	"	"	

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

Rice Operating Co.	Project: EME Conoco F-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager. Kristin Farris-Pope	12/23/05 15:47

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EME Conoco F-1@ 30'bgs (5L15003-01) Soil									
Chloride	**59.2**	5.00	mg/kg	10	EL52102	12/20/05	12/21/05	EPA 300 0	
% Moisture	**5.3**	0.1	%	1	EL51609	12/15/05	12/16/05	% calculation	

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

Rice Operating Co.	Project EME Conoco F-1	Fax: (505) 397-1471
122 W. Taylor	Project Number None Given	**Reported:**
Hobbs NM, 88240	Project Manager Kristin Farris-Pope	12/23/05 15 47

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 EL51506 - Solvent Extraction (GC)										
Blank (EL51506-BLK1)				Prepared & Analyzed 12/15/05						
Gasoline Range Organics C6-C12	ND	10 0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10 0	"							
Total Hydrocarbon C6-C35	ND	10 0	"							
Surrogate 1-Chlorooctane	*56.7*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		"	*50.0*		*92 6*	*70-130*			
LCS (EL51506-BS1)				Prepared & Analyzed 12/15/05						
Gasoline Range Organics C6-C12	378	10 0	mg/kg wet	500		75 6	75-125			
Diesel Range Organics >C12-C35	468	10 0	"	500		93 6	75-125			
Total Hydrocarbon C6-C35	846	10 0	"	1000		84 6	75-125			
Surrogate: 1-Chlorooctane	*52.5*		*mg/kg*	*50 0*		*105*	*70-130*			
Surrogate 1-Chlorooctadecane	*40.8*		"	*50.0*		*81.6*	*70-130*			
Calibration Check (EL51506-CCV1)				Prepared 12/15/05 Analyzed: 12/16/05						
Gasoline Range Organics C6-C12	412		mg/kg	500		82 4	80-120			
Diesel Range Organics >C12-C35	504		"	500		101	80-120			
Total Hydrocarbon C6-C35	916		"	1000		91 6	80-120			
Surrogate: 1-Chlorooctane	*52.1*		"	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.5*		"	*50 0*		*85.0*	*70-130*			
Matrix Spike (EL51506-MS1)	**Source: 5L15003-01**			Prepared & Analyzed 12/15/05						
Gasoline Range Organics C6-C12	496	10 0	mg/kg dry	528	ND	93 9	75-125			
Diesel Range Organics >C12-C35	441	10 0	"	528	ND	83 5	75-125			
Total Hydrocarbon C6-C35	937	10 0	"	1060	ND	88 4	75-125			
Surrogate 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		"	*50.0*		*72.2*	*70-130*			
Matrix Spike Dup (EL51506-MSD1)	**Source: 5L15003-01**			Prepared & Analyzed: 12/15/05						
Gasoline Range Organics C6-C12	502	10 0	mg/kg dry	528	ND	95 1	75-125	1 20	20	
Diesel Range Organics >C12-C35	441	10 0	"	528	ND	83 5	75-125	0 00	20	
Total Hydrocarbon C6-C35	943	10 0	"	1060	ND	89 0	75-125	0 638	20	
Surrogate: 1-Chlorooctane	*51.0*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate 1-Chlorooctadecane	*35.9*		"	*50.0*		*71.8*	*70-130*			

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

Rice Operating Co	Project: EME Conoco F-1	Fax: (505) 397-1471
122 W Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	12/23/05 15.47

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL51609 - General Preparation (Prep)										
Blank (EL51609-BLK1)				Prepared: 12/15/05 Analyzed. 12/16/05						
% Solids	100		%							
Duplicate (EL51609-DUP1)		**Source: 5L14008-01**		Prepared· 12/15/05 Analyzed 12/16/05						
% Solids	94 3		%		95 6			1 37	20	
Duplicate (EL51609-DUP2)		**Source: 5L15001-09**		Prepared. 12/15/05 Analyzed: 12/16/05						
% Solids	90 7		%		91 0			0.330	20	
Duplicate (EL51609-DUP3)		**Source: 5L15014-01**		Prepared: 12/15/05 Analyzed· 12/16/05						
% Solids	98 0		%		98 5			0 509	20	
Batch EL52102 - Water Extraction										
Blank (EL52102-BLK1)				Prepared 12/20/05 Analyzed· 12/21/05						
Chloride	ND	0 500	mg/kg							
LCS (EL52102-BS1)				Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	8 33		mg/L	10 0		83 3	80-120			
Calibration Check (EL52102-CCV1)				Prepared: 12/20/05 Analyzed. 12/21/05						
Chloride	8 46		mg/L	10 0		84 6	80-120			
Duplicate (EL52102-DUP1)		**Source: 5L15002-01**		Prepared: 12/20/05 Analyzed: 12/21/05						
Chloride	94 9	5 00	mg/kg		92 0			3 10	20	

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

Rice Operating Co.	Project: EME Conoco F-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager Kristin Farris-Pope	12/23/05 15:47

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By. Raland K Tuttle Date: 12/23/2005

Raland K Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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 Manager: Kristen Farris Pope
Company Name: Rice Operating Co.
Company Address: 122 W Taylor
City/State/Zip: Hobbs NM 88240
Telephone No: (505)393-9174
Fax No:
Sampler Signature: [signature]

Project Name: EMS Cave F-1
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For (TCLP: / TOTAL:): TDS / Cl / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030							RUSH TAT (Pre-Schedule)
-01	EMS Cave F-1 @ 30 bgs	12/12/05	2:20	1	X									X		X			X											

Special Instructions:

Sample Containers Intact?
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]			[signature]	12/14	1800
Relinquished by: [signature]	12/15	8:00	Received by ELOT: [signature]	12/15/05	[illegible]

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 12/15/05 9:00

Order #: 5L15003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Acclicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

A & L PLAINS AGRICULTURAL LABORATORIES, INC.
302 34th St. • P.O. Box 1590 • Lubbock, TX 79408 • (806) 763-4278
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210-07a

RT NUMBER

July 29, 2005
Page 1

Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Re: 05-143-137
Re: 05-153-111

EME G-36 Leak
Conoco F-1

Soil Analysis

Lab No:	Sample No:	E S P %	Soluble Sodium from Saturated Paste ppm	Extractable Sodium from Ammonium Acetate ppm	C E C meq/100g
10491	EME	10.75	414	879	19
10672	CONOCO	0.58	754	763	7

Reference: USDA Handbook No. 60, Page 100-101 and 107.

RECEIVED
AUG 1 2005
RICE OPERATING
HOBBS, NM

Respectfully submitted,

by
A&L Plains Ag Labs, Inc.

A & L PLAINS AGRICULTURAL LABORATORIES, INC.
302 34th St. • P.O. Box 1590 • Lubbock, TX 79408 • (806) 763-4278
FAX (806) 763-2762 • www.al-labs-plains.com

05-210-07a

REPORT NUMBER

July 29, 2005

Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Re: 05-143-137
Re: 05-153-111

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Reference: USDA Handbook No. 60, Page 100-101 and 107.

Respectfully submitted,

by
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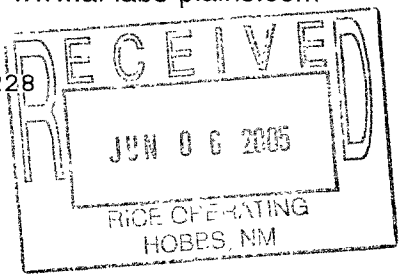
FAX (806) 763-2762 • www.al-labs-plains.com

05-153-111
REPORT NUMBER

CLIENT NO: 1228

GROWER:

CONOCO F-1



SAMPLES SUBMITTED BY: JENNIFER JOHNSON

SEND TO:

Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240-

DATE: 06/03/05

SOIL ANALYSIS REPORT

PAGE: 1

SAMPLE ID	LAB NUMBER	ORGANIC MATTER % RATE ENR lbs/A	PHOSPHORUS P1 (Weak Bray) ppm-P RATE	PHOSPHORUS P2 (Strong Bray) ppm-P RATE	POTASSIUM K ** ppm-K RATE	MAGNESIUM Mg *** ppm-Mg RATE	CALCIUM Ca *** ppm-Ca RATE	SODIUM Na *** ppm-Na RATE	pH SOIL pH	pH BUFFER INDEX	COMPUTED Cation Exchange C E C meq/100g	PERCENT BASE SATURATION K	Mg	Ca	H	Na
COMPOSIT	10672	0.5VL 40	11L	13L	237VH	88L	1831M	763VH	7.5		13.8	4.4	5.2	66.3	0.0	24.1

SAMPLE ID	NITRATE NO_3 *** ppm-NO3N RATE	SULFUR S *** ppm-S RATE	ZINC Zn *** ppm-Zn RATE	MANGANESE Mn *** ppm-Mn RATE	IRON Fe *** ppm-Fe RATE	COPPER Cu *** ppm-Cu RATE	BORON B *** ppm-B RATE	EX-CESS LIME RATE	SOLUBLE SALTS mmhos/cm RATE	Cl ppm ppm	
COMPOSIT	6L	6L	0.2VL	5L	21H	0.6M	0.5L	M	1.4M	1396	

CODE TO RATINGS:
VL = VERY LOW L = LOW
M = MEDIUM H = HIGH
VH = VERY HIGH NR = NOT RATED

ND = NONE DETECTED
IS = INSUFFICIENT SAMPLE
ENR = ESTIMATED NITROGEN RELEASE

This report applies only to the sample(s) tested Samples are retained for a maximum of thirty days after testing

A & L PLAINS AGRICULTURAL LABORATORIES, INC.

By E. A. COLEMAN, PhD

* PHOSPHORUS - Multiply the results in ppm by 4 6 to convert to lbs per acre P2O5

** - Multiply the results in ppm by 2 4 to convert to lbs per acre K2O

*** - Multiply the results in ppm by 2 to convert to lbs per acre of the elemental form

Most soils weigh two (2) million pounds (dry weight) for an acre of soil 6-2/3 inches deep

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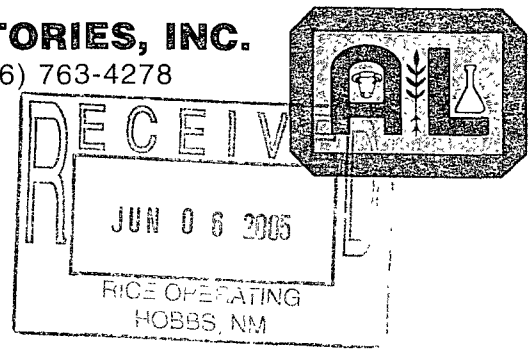

REPORT NUMBER

05-153-111

Client No: 1228

SEND TO:

Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240-

GROWER: CONOCO F-1

Date: 06/03/2005

SUBMITTED BY: JENNIFER JOHNSON

Page: 1

SOIL FERTILITY GUIDELINES (lbs/A)

SAMPLE NUMBER	CROP	YIELD	AMENDMENTS	N Nitrogen	P205 Phosphate	K2O Potash	Mg Magnesium	S Sulfur	Zn Zinc	Mn Manganese	Fe Iron	Cu Copper	B Boron
COMPO	PASTURE-NATIV			70	30	60	10	15	1.5	0.5			1.0

COMMENTS:

HAY TESTING IS RECOMMENDED TO INSURE QUALITY AND PROFITABILITY. QUICK AND ACCURATE ANALYSIS OF HAY QUALITY CAN BE OBTAINED AT A&L LABS. CALL THE LAB TODAY FOR INFO.

TOP DRESS WITH 60-0-50 AFTER EACH HARVEST.

EMG Conoco F-1

Site Assessment Criteria (NMOCD)

Depth to Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	(0 points) 10pts
Wellhead Protection Area (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes	(20 points)
	No	(0 points) 0
Distance to Surface Water Body: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points) 0

RANKING SCORE (TOTAL POINTS): 10pts

Clean-up Target Concentrations for "Site Closure" (NMOCD)

IF RANKING SCORE IS:	>19	10-19	0-9
Benzene (ppm) *	10	10	10
BTEX (ppm) *	50	50	50
TPH (ppm) **	100	1000	5000

* A field vapor headspace measurement of 100 ppm may be substituted for a laboratory analysis.

** The contaminant concentration for TPH is the concentration above background levels.