1R - 425-28

REPORTS

DATE:

2006

Vol 11-33
IR-425-28

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APR - 3 2007
Environmental Bureau
Oil Conservation Division

Final Report

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	jct. M-33	M	33	17S	35E	Lea	no box--System abandonment		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 83 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/17/2005 Date Completed 4/24/2006 NMOCD Witness no

Soil Excavated 30 cubic yards Excavation Length 12 Width 4 Depth 17 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS:

Sample Date 2/27/2006, 3/30/2006 **Sample Depth** 17 ft

TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID ppm	Total Hydrocarbon (C6-C35) mg/kg	Chloride mg/kg
GRAB @ 17 ft BGS	XXX	XXX	470
GRAB @ 17 ft BGS	XXX	<10.0	XXX

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
delineation trench at junction	5	430
	6	110
	7	139
	8	263
	9	481
	10	232
	11	290
	12	480
	13	294
	14	569
	15	454
	16	371
	17	558
backfill	n/a	251

General Description of Remedial Action: This junction box was addressed as part of the Vacuum SWD System abandonment. The box was removed and the jct. site was delineated using a backhoe while chloride field tests and PID measurements were performed on the soil samples collected at regular intervals. Chloride concentrations were relatively low 5-17 ft below the box. VOC concentrations were also very low (0.1-2.1 ppm). A bottom grab sample from the 17-ft-deep trench was collected for laboratory analysis which confirmed the field measurements. The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding terrain. The disturbed surface is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

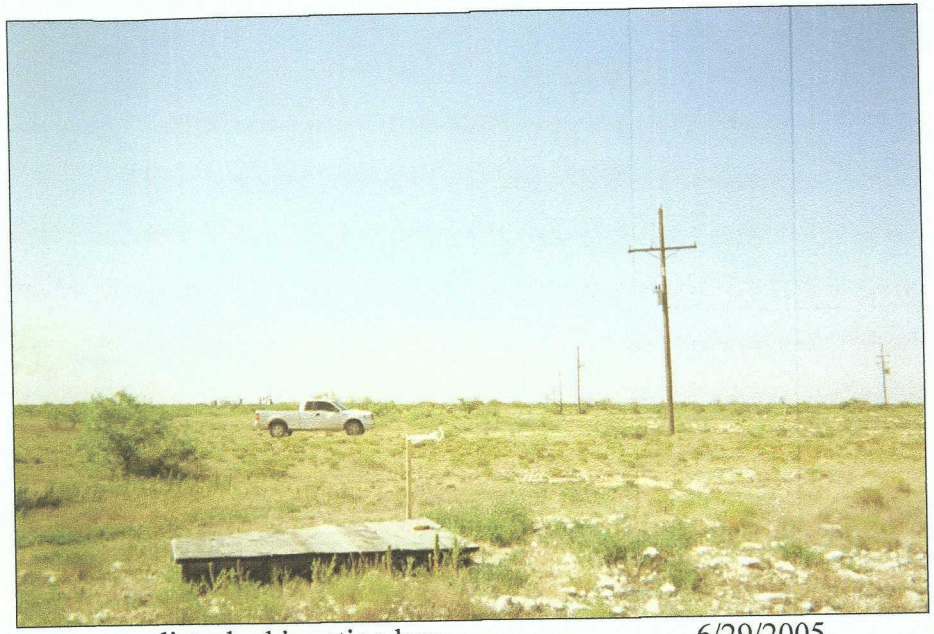
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Kevin Collins SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 8/24/2006 TITLE Project Scientist

Vacuum jct. M-33



undisturbed junction box 6/29/2005

delineation trench at former box site

collecting a sample

backfilling trench 1/25/2006

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

TPH

COPY

Analytical Report

Prepared for:

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

Project: Vacuum Jct. M-33
Project Number: None Given
Location: None Given

Lab Order Number: 6D04002

Report Date: 04/06/06

Rice Operating Co.	Project: Vacuum Jct. M-33	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	04/06/06 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert 17' BGS Grab Sample	6D04002-01	Soil	03/30/06 09:00	04/04/06 08:00

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

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert 17' BGS Grab Sample (6D04002-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED60419	04/04/06	04/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	

Rice Operating Co.	Project: Vacuum Jct. M-33	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	04/06/06 17:00

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert 17' BGS Grab Sample (6D04002-01) Soil									
% Moisture	**10.6**	0.1	%	1	ED60417	04/04/06	04/05/06	% calculation	

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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 ED60419 - Solvent Extraction (GC)										
Blank (ED60419-BLK1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*50.9*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		"	*50.0*		*106*	*70-130*			
LCS (ED60419-BS1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Carbon Ranges C6-C12	553	10.0	mg/kg wet	500		111	75-125			
Carbon Ranges C12-C28	591	10.0	"	500		118	75-125			
Total Hydrocarbon C6-C35	1140	10.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	*56.1*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.6*		"	*50.0*		*101*	*70-130*			
Calibration Check (ED60419-CCV1)				Prepared: 04/04/06 Analyzed: 04/05/06						
Carbon Ranges C6-C12	241		mg/kg	250		96.4	80-120			
Carbon Ranges C12-C28	296		"	250		118	80-120			
Total Hydrocarbon C6-C35	537		"	500		107	80-120			
Surrogate: 1-Chlorooctane	*49.7*		"	*50.0*		*99.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		"	*50.0*		*92.6*	*70-130*			
Matrix Spike (ED60419-MS1)	**Source: 6D04007-01**			Prepared: 04/04/06 Analyzed: 04/06/06						
Carbon Ranges C6-C12	541	10.0	mg/kg dry	532	ND	102	75-125			
Carbon Ranges C12-C28	538	10.0	"	532	34.9	94.6	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1060	34.9	98.6	75-125			
Surrogate: 1-Chlorooctane	*54.8*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.9*		"	*50.0*		*95.8*	*70-130*			

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 ED60419 - Solvent Extraction (GC)										
Matrix Spike Dup (ED60419-MSD1)	**Source: 6D04007-01**			Prepared: 04/04/06		Analyzed: 04/06/06				
Carbon Ranges C6-C12	498	10.0	mg/kg dry	532	ND	93.6	75-125	8.28	20	
Carbon Ranges C12-C28	509	10.0	"	532	34.9	89.1	75-125	5.54	20	
Total Hydrocarbon C6-C35	1010	10.0	"	1060	34.9	92.0	75-125	6.70	20	
Surrogate: 1-Chlorooctane	*48.6*		*mg/kg*	*50.0*		*97.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.7*		*"*	*50.0*		*85.4*	*70-130*			

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 ED60417 - General Preparation (Prep)										
Blank (ED60417-BLK1)				Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	100		%							
Duplicate (ED60417-DUP1)		**Source: 6D04001-01**		Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	97.6		%		97.8			0.205	20	
Duplicate (ED60417-DUP2)		**Source: 6D04007-01**		Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	93.9		%		93.9			0.00	20	
Duplicate (ED60417-DUP3)		**Source: 6D04008-05**		Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	92.2		%		91.4			0.871	20	
Duplicate (ED60417-DUP4)		**Source: 6D04009-05**		Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	93.8		%		94.1			0.319	20	
Duplicate (ED60417-DUP5)		**Source: 6D04012-01**		Prepared: 04/04/06 Analyzed: 04/05/06						
% Solids	87.9		%		86.4			1.72	20	

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: 4-07-06

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: Roy Rascon
Company Name: Rice Ops.
Company Address: 122 W. Taylor ST.
City/State/Zip: Hobbs N.M. 88240
Telephone No: (505) 393-9174
Fax No:
Sampler Signature: Roland Valenzuela

Project Name: VAC JCT M-33
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TOTAL: TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)
01	Vert 17' 1365 Grab Sample	3-30-06	9:00 AM	1	✓									✓					✓					

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 6°C
Laboratory Comments: 4oz glass
Bottles Labeled

Relinquished by:	Date	Time	Received by:	Date	Time
Roland Valenzuela	3-30-06	4:15 PM	C A Hayes	4/3	18:00
C A Hayes	4/4	8:00	Received by ELOT: Cassie Woods	4/4/06	8:00

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

Client: Rice Dp.

Date/Time: 4/4/06 8:00

Order #: 160640028

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.0 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 Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: 104412

CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE — 100 PPM
AIR — BALANCE

LOT NO: 05 2859 — FILL DATE: 7 19 05
EXP. DATE: 1 19 07 — ACCURACY: ±2%
METER READING
ACCURACY: 100.5%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	M-33	M	33	17S	35E

Vertical at Source

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5	0.4	Back Fill Comp	1.2
6	1.2		
7	0.4		
8	1.1		
9	0.4		
10	0.5		
11	2.1		
12	0.7		
13	0.1		
14	0.3		
15	0.1		
16	0.6		
17	0.5		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature

01 25 06
Date

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Chloride

COPY

Analytical Report

Prepared for:

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

Project: VAC Jct. M-33
Project Number: None Given
Location: None Given

Lab Order Number: 6C02003

Report Date: 03/08/06

Rice Operating Co.	Project: VAC Jct. M-33	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/08/06 08:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert.@ Source@ 17'	6C02003-01	Soil	02/27/06 12:45	03/02/06 07:25

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

Rice Operating Co.	Project: VAC Jct. M-33	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/08/06 08:41

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ Source@ 17' (6C02003-01) Soil									
Chloride	**470**	10.0	mg/kg	20	EC60801	03/07/06	03/08/06	EPA 300.0	

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

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 EC60801 - Water Extraction										
Blank (EC60801-BLK1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Chloride	ND	0.500	mg/kg							
LCS (EC60801-BS1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Chloride	8.66		mg/L	10.0		86.6	80-120			
Calibration Check (EC60801-CCV1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Chloride	9.34		mg/L	10.0		93.4	80-120			
Duplicate (EC60801-DUP1)		**Source: 6C02003-01**		Prepared: 03/07/06 Analyzed: 03/08/06						
Chloride	473	10.0	mg/kg		470			0.636	20	

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: 3-08-06

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: Roy R. Rascon
Company Name: Rice Oper. Co.
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, N M. 88240
Telephone No: 505-393-9174 Fax No: 505-397-1471
Sampler Signature: Darrell Mitchell

Project Name: VAC JCT M-33
Project #:
Project Loc:
PO #:

LAB # (lab use only) 60208	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: 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	TOTAL:	RUSH TAT (Pre-Schedule)
-01	VERT. @ Source @ 17'	2-27-06	1245	1						✓				✓		✓			✓						

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 2.0 °C
Laboratory Comments: Chain of Custody Signatures

Relinquished by:	Date	Time	Received by:	Date	Time
Darrell Mitchell	3-1-06	4:30		3/1	17:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/2	7:20		3-2-06	0725

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

Client: Rice Op.

Date/Time: 3/2/06 7:25

Order #: 6C02003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	20.0 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 Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____