

1R - 426-132

REPORTS

DATE:

2-26-07

BD Jct P-17 Vent

1R-426-132

RECEIVED

APR - 2 2002

Environmental Bureau
Oil Conservation Division

DISCLOSURE

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
BD	P-17 vent	P	17	21S	37E	Lea	Length	Width	Depth
no box--jct. eliminated									

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Millard Deck _____ OTHER _____

Depth to Groundwater _____ 70 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 10 _____

Date Started _____ 4/19/2005 _____ Date Completed _____ 7/7/2006 _____ NMOCD Witness _____ no _____

Soil Excavated _____ 267 _____ cubic yards Excavation Length _____ 30 _____ Width _____ 20 _____ Depth _____ 12 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 5/20/2005 _____ Sample Depth _____ 12 ft _____

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	3.7	<10.0	<10.0	837
BOTTOM COMP.	3.1	<10.0	<10.0	1600
BACKFILL	18.7	7.12	121	894

LOCATION	DEPTH (ft)	ppm
vertical trench at former junction site	7	264
	8	116
	9	246
	10	521
	11	1121
	12	1377
4-wall comp.	n/a	602
bottom comp.	12	1279
backfill comp.	n/a	581

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement/upgrade program. After the box lumber was removed, the site was delineated using a backhoe to collect soil samples at regular intervals, producing a 30 x 20 x 12-ft excavation. Headspace vapor was measured using a PID and all readings were generally low throughout. Chloride field tests yielded concentrations that increased with depth. Confirmation samples from the final excavation were collected for laboratory analysis. The excavated soil was blended on site and then returned to the hole to 6 ft BGS where a 1-ft-thick clay barrier was installed. The remainder of the fill was returned to the excavation on top of the clay and contoured to the surrounding surface. An identification plate was placed on the surface to mark the location of the former junction and the presence of clay below. The disturbed surface was seeded with a blend of native vegetation on 9/7/2006 and is expected to return to productive capacity at a normal rate. OCD was notified of potential groundwater impact at this site on 2/26/2006.

ADDITIONAL EVALUATION IS **MEDIUM** PRIORITY

enclosures: photos, lab results, PID field screenings, chloride graph, excavation profile

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

SITE SUPERVISOR _____ Israel Juarez _____ SIGNATURE *Israel Juarez* _____ COMPANY _____ RICE Operating Company _____

REPORT ASSEMBLED BY _____ Kristin Farris Pope _____ SIGNATURE *Kristin Farris Pope* _____

DATE _____ 2/26/2007 _____ TITLE _____ Project Scientist _____

* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

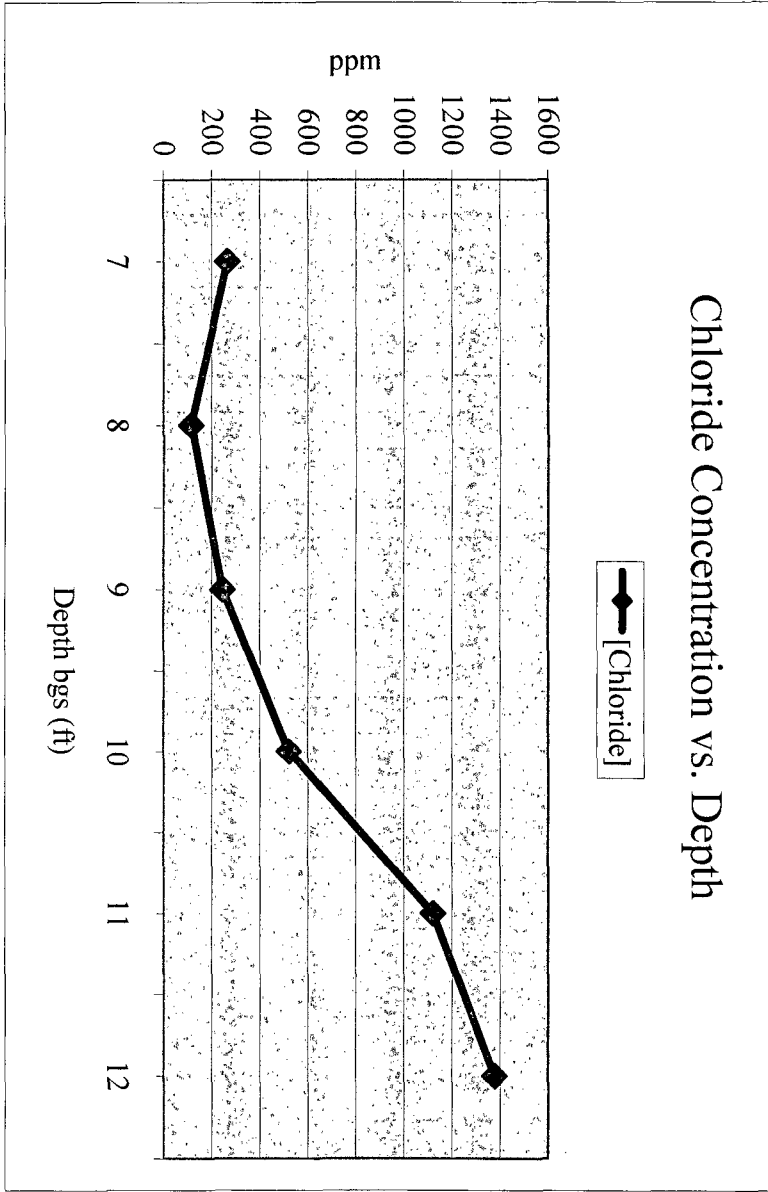
BD P-17 vent

unit 'P', Sec. 17, T21S, R37E

Vertical delineation at jct.

Depth bgs (ft)	[Cl] ppm
7	264
8	116
9	246
10	521
11	1121
12	1377

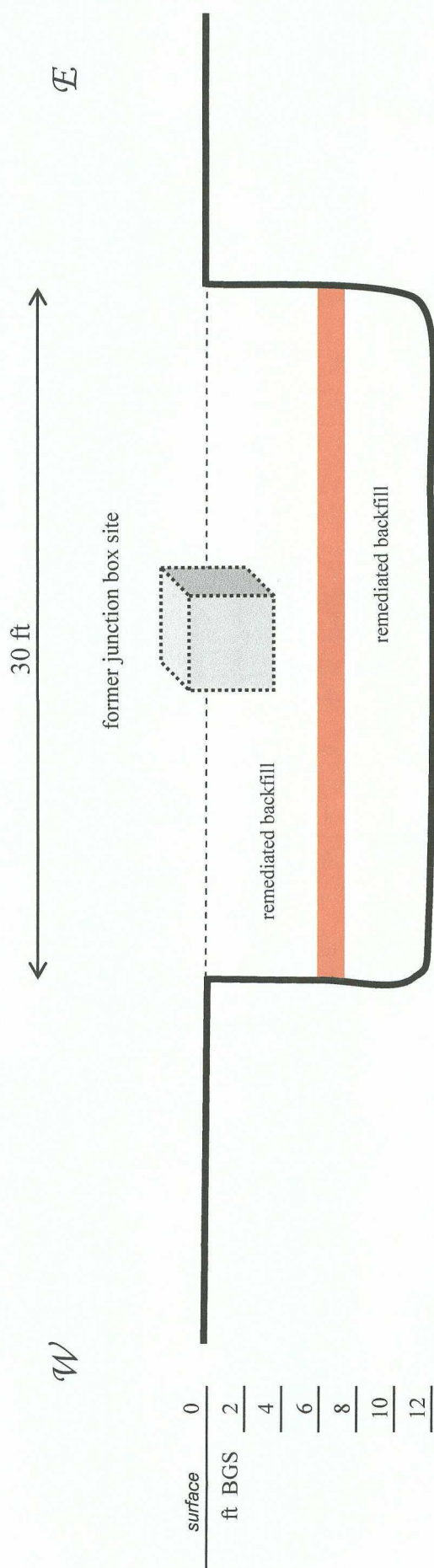
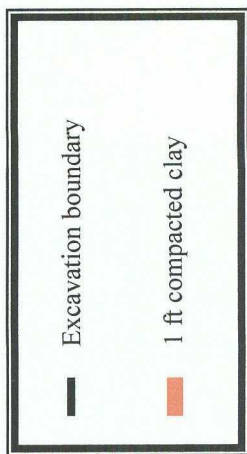
Groundwater = 70 ft



BD P-17 vent

30 x 20 x 12-ft-deep

Excavation Cross-Section



BD P-17 vent



undisturbed junction box

2/24/2003

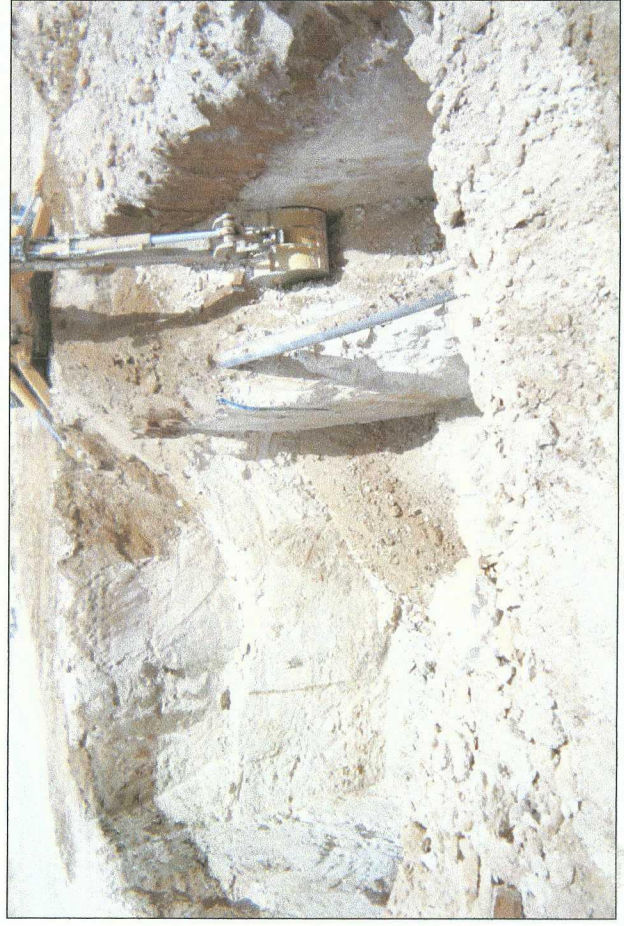


delineation trenches

4/20/2005



delineation & excavation



delineation & excavation



compacting backfill

June 2006



compacting clay

7/5/2006



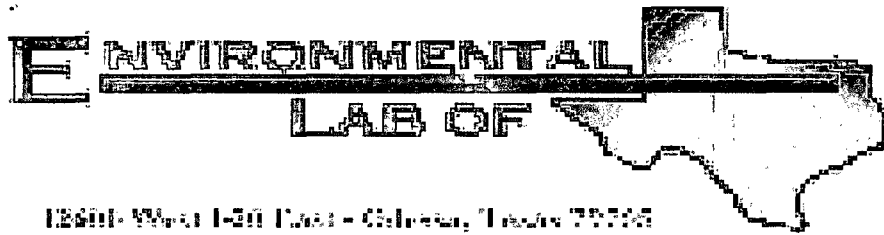
testing clay barrier at 6 ft

7/5/2006



seeding disturbed surface at backfilled site

9/7/2006



Analytical Report

Prepared for:

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

Project: BD Vent P-17
Project Number: None Given
Location: None Given

Lab Order Number: 5E23003

Report Date: 05/26/05

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

Project: BD Vent P-17
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
05/26/05 14:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BD Vent P-17 Bottom Comp. @12'	5E23003-01	Soil	05/20/05 09:35	05/20/05 18:00
4 Wall Comp	5E23003-02	Soil	05/20/05 10:18	05/20/05 18:00
Remediated Backfill	5E23003-03	Soil	05/20/05 10:42	05/20/05 18:00

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

Project: BD Vent P-17
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
05/26/05 14:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BD Vent P-17 Bottom Comp. @12' (5E23003-01) Soil									
Chloride	1600	50.0	mg/kg	100	EE52411	05/23/05	05/23/05	EPA 300.0	
% Moisture	5.5	0.1	%	1	EE52311	05/24/05	05/24/05	% calculation	
4 Wall Comp (5E23003-02) Soil									
Chloride	837	25.0	mg/kg	50	EE52411	05/23/05	05/23/05	EPA 300.0	
% Moisture	3.3	0.1	%	1	EE52311	05/24/05	05/24/05	% calculation	
Remediated Backfill (5E23003-03) Soil									
Chloride	894	25.0	mg/kg	50	EE52411	05/23/05	05/23/05	EPA 300.0	
% Moisture	2.8	0.1	%	1	EE52311	05/24/05	05/24/05	% calculation	

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: BD Vent P-17 Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471 Reported: 05/26/05 14:33
--	--	---

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BD Vent P-17 Bottom Comp. @12' (5E23003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE52302	05/23/05	05/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		80.8 %	70-130		"	"	"	"	
4 Wall Comp (5E23003-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE52302	05/23/05	05/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.0 %	70-130		"	"	"	"	
Remediated Backfill (5E23003-03) Soil									
Gasoline Range Organics C6-C12	J [7.12]	10.0	mg/kg dry	1	EE52302	05/23/05	05/23/05	EPA 8015M	J
Diesel Range Organics >C12-C35	121	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	121	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.0 %	70-130		"	"	"	"	

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: BD Vent P-17 Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471 Reported: 05/26/05 14:33
--	--	---

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 EE52311 - General Preparation (Prep)

Blank (EE52311-BLK1) Prepared & Analyzed: 05/24/05

% Moisture	ND	0.1	%							
------------	----	-----	---	--	--	--	--	--	--	--

Duplicate (EE52311-DUP1) Source: 5E20009-01 Prepared & Analyzed: 05/24/05

% Moisture	3.1	0.1	%		2.8			10.2	20	
------------	-----	-----	---	--	-----	--	--	------	----	--

Batch EE52411 - Water Extraction

Blank (EE52411-BLK1) Prepared & Analyzed: 05/23/05

Chloride	ND	0.500	mg/kg							
----------	----	-------	-------	--	--	--	--	--	--	--

LCS (EE52411-BS1) Prepared & Analyzed: 05/23/05

Chloride	10.8		mg/L	10.0		108	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Calibration Check (EE52411-CCV1) Prepared & Analyzed: 05/23/05

Chloride	11.0		mg/L	10.0		110	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Duplicate (EE52411-DUP1) Source: 5E23003-01 Prepared & Analyzed: 05/23/05

Chloride	1520	50.0	mg/kg		1600			5.13	20	
----------	------	------	-------	--	------	--	--	------	----	--

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

Project: BD Vent P-17
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
05/26/05 14:33

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 EE52302 - Solvent Extraction (GC)

Blank (EE52302-BLK1)

Prepared & Analyzed: 05/23/05

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	42.9		mg/kg	50.0		85.8	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

LCS (EE52302-BS1)

Prepared & Analyzed: 05/23/05

Gasoline Range Organics C6-C12	460	10.0	mg/kg wet	500		92.0	75-125			
Diesel Range Organics >C12-C35	484	10.0	"	500		96.8	75-125			
Total Hydrocarbon C6-C35	944	10.0	"	1000		94.4	75-125			
Surrogate: 1-Chlorooctane	39.2		mg/kg	50.0		78.4	70-130			
Surrogate: 1-Chlorooctadecane	39.5		"	50.0		79.0	70-130			

Calibration Check (EE52302-CCV1)

Prepared & Analyzed: 05/23/05

Gasoline Range Organics C6-C12	463		mg/kg	500		92.6	80-120			
Diesel Range Organics >C12-C35	510		"	500		102	80-120			
Total Hydrocarbon C6-C35	973		"	1000		97.3	80-120			
Surrogate: 1-Chlorooctane	46.6		"	50.0		93.2	70-130			
Surrogate: 1-Chlorooctadecane	38.4		"	50.0		76.8	70-130			

Matrix Spike (EE52302-MS1)

Source: 5E23003-01

Prepared & Analyzed: 05/23/05

Gasoline Range Organics C6-C12	490	10.0	mg/kg dry	529	ND	92.6	75-125			
Diesel Range Organics >C12-C35	546	10.0	"	529	ND	103	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1060	ND	98.1	75-125			
Surrogate: 1-Chlorooctane	48.2		mg/kg	50.0		96.4	70-130			
Surrogate: 1-Chlorooctadecane	40.4		"	50.0		80.8	70-130			

Matrix Spike Dup (EE52302-MSD1)

Source: 5E23003-01

Prepared & Analyzed: 05/23/05

Gasoline Range Organics C6-C12	455	10.0	mg/kg dry	529	ND	86.0	75-125	7.41	20	
Diesel Range Organics >C12-C35	556	10.0	"	529	ND	105	75-125	1.81	20	
Total Hydrocarbon C6-C35	1010	10.0	"	1060	ND	95.3	75-125	2.93	20	
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	70-130			
Surrogate: 1-Chlorooctadecane	38.3		"	50.0		76.6	70-130			

Environmental Lab of Texas

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

Page 4 of 6

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

Project: BD Vent P-17
Project Number: None Given
Project Manager: Roy Rascon


Fax: (505) 397-1471

Reported:
05/26/05 14:33

Notes and Definitions

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

5/26/2005

Roland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: 3D Vent 9-17

Project #:

Project Loc:

三〇

Fax No: 505-397-1471

Cherry

[illegible]

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

Client: Pico Operating
 Date/Time: 5/20/05 18:00
 Order #: 5E23003
 Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	7.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Rice Operating Company

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MODEL NO: PGM 761S

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE: 11-19-05

ACCURACY: ± 2%

LOT NO: 04-2747

EXP. DATE: 5-19-05

METER READING

ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent P-17	P	17	21	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottoms Comp @ 12'	3.1		
15' West Wall Comp	3.2		
5' North Wall Comp	2.5		
15' East Wall Comp	5.7		
15' South Wall Comp	3.3		
4 Wall Comp	3.7		
Remediated Backfill	18.7		

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

Signature Israel J. J. J.

Date 5/20/05