

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		
							Length	Width	Depth
BD	P-17 vent	P	17	21S	37E	Lea	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.

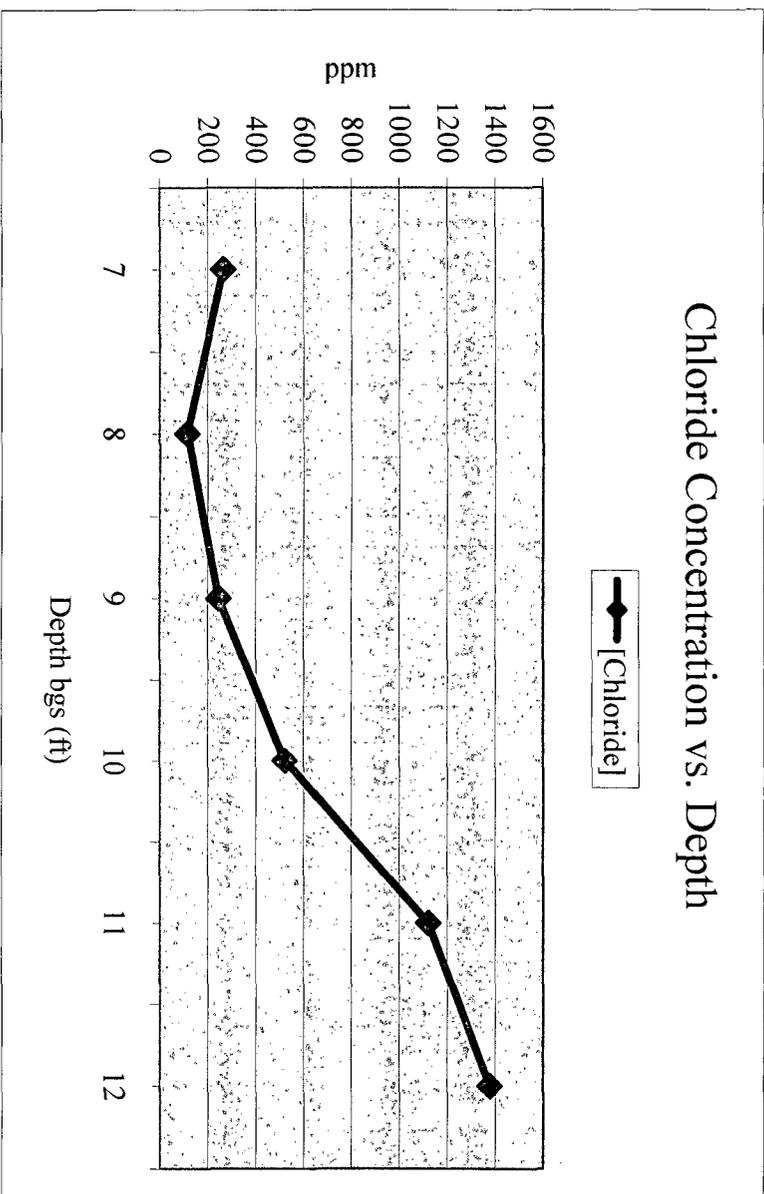
BD P-17 vent

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

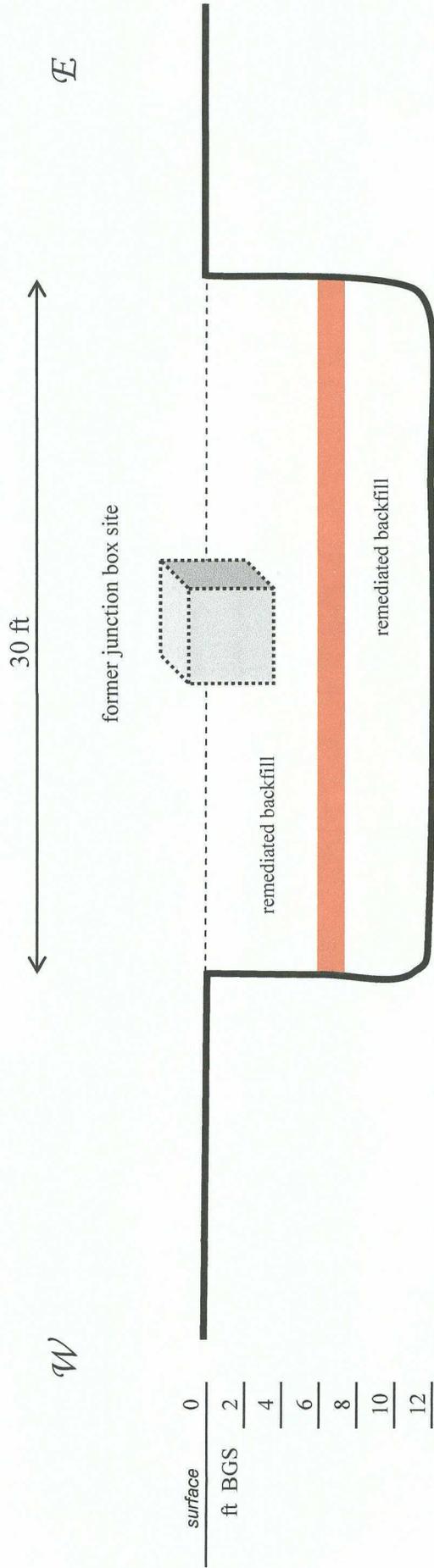
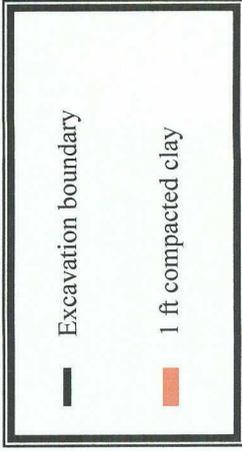
Groundwater = 70 ft



BD P-17 vent

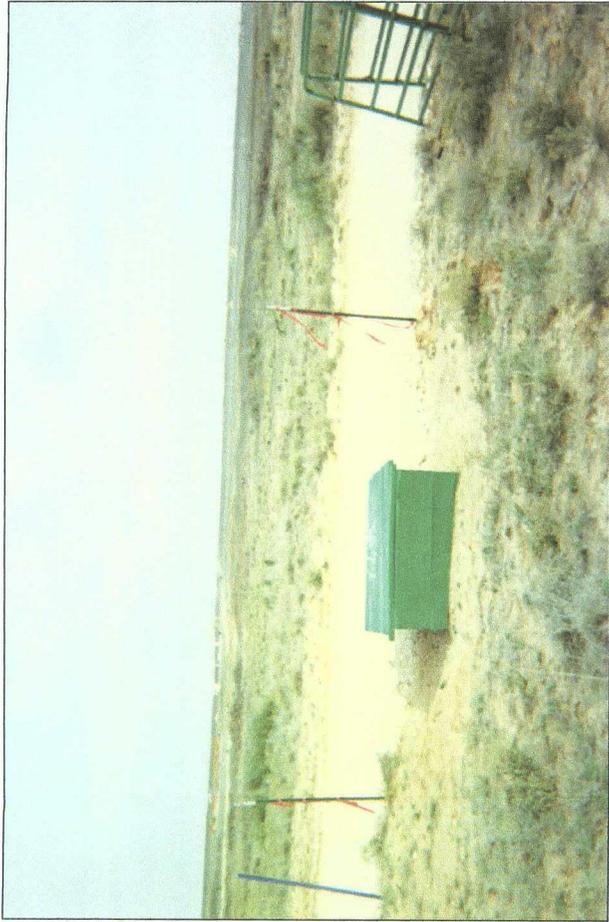
30 x 20 x 12-ft-deep

Excavation Cross-Section



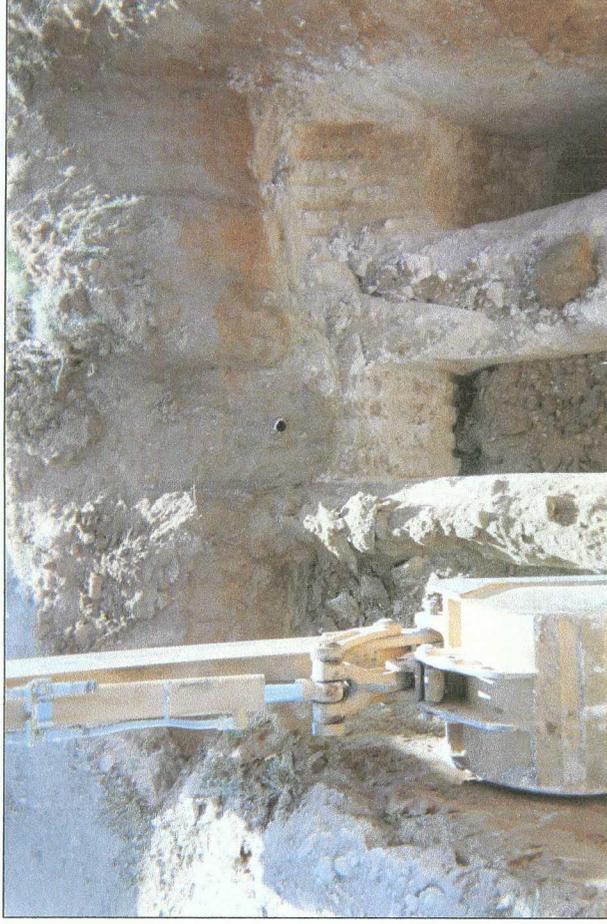
surface	0
ft BGS	2
	4
	6
	8
	10
	12

BD P-17 vent



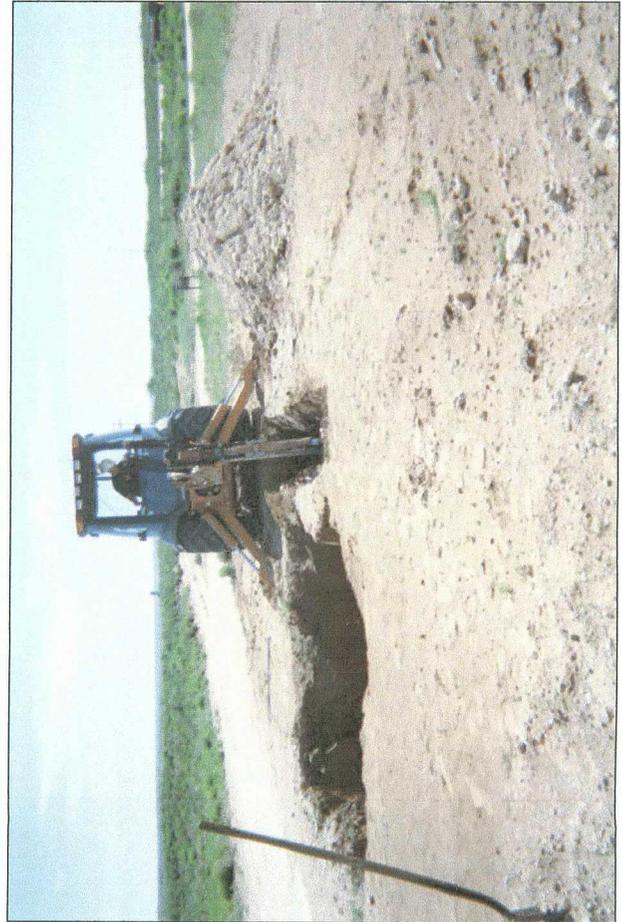
undisturbed junction box

2/24/2003

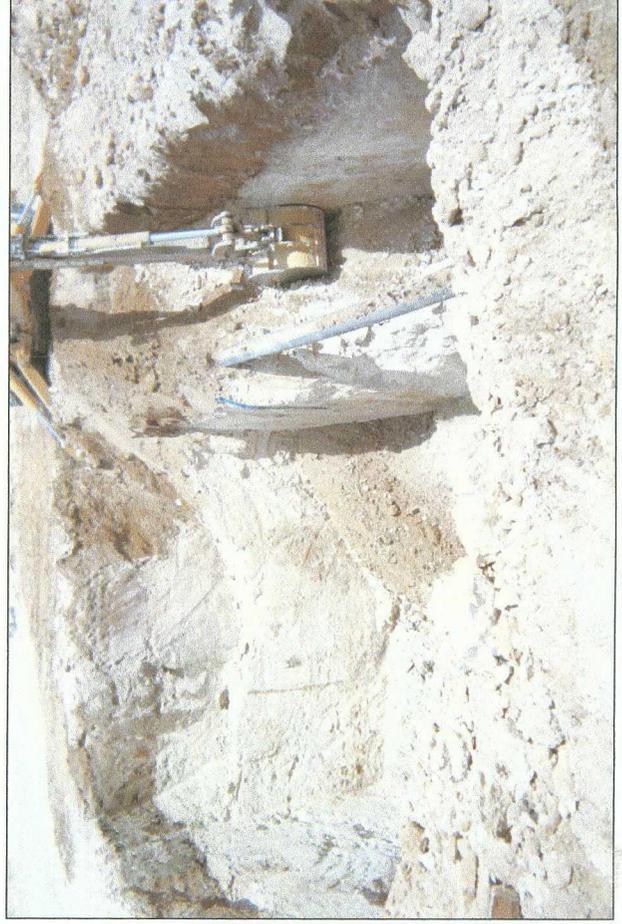


delineation trenches

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

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	

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	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		90.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		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	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		77.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		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	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		81.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		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			

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

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

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

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

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

Sample Receipt Checklist

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

LOT NO: 04-2747
 EXP. DATE: 5-19-05
 METER READING
 ACCURACY: 100.2

100 PPM
 BALANCE
 FILL DATE: 11-19-05
 ACCURACY: ± 2%

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

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottens 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 Juarez

Date: 5/20/05