

1R - 426-122

REPORTS

DATE:

2006

BD E-20Vent

IR-426-122

Final Report

RECEIVED

APR - 3 2007

Environmental Bureau
Oil Conservation Division

Closure

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	E-20 vent	E	20	21S	37E	Lea	Length	Width	Depth
							moved 50 ft northwest		

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

Depth to Groundwater 99 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 5/16/2003 Date Completed 5/24/2006 NMOCD Witness no

Soil Excavated 40 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 4/14/2005, 5/24/2006 Sample Depth various as stated

Procure 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 lab and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	4.3	<10.0	<10.0	1500
BOTTOM COMP. @ 12 ft	0.5	<10.0	<10.0	699
REMED. BACKFILL	1.8	<10.0	23.1	762
SOIL BORE #1 @ 40 ft	0.0	<10.0	<10.0	30.4
SOIL BORE #2 @ 85 ft	0.0	<10.0	<10.0	194
SOIL BORE #3 @ 65 ft	0.0	<10.0	<10.0	101

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	1319
bottom comp.	12	604
remed. comp.	n/a	547
soil bore #1 (20 ft West)	40	59
soil bore #2 (15ft East)	85	260
soil bore #3 (15ft West)	65	85

General Description of Remedial Action:

This junction contained a vent and was

first addressed in May of 2003 with a 20 x 20 x 8-ft-deep excavation. In 2005, ROC returned to the site to delineation and investigate chloride further.

The excavation was extended to a 30 x 30 x 12 ft while chloride field tests and PID screenings were performed at regular intervals. Chloride concentrations remained elevated. All PID readings were relatively low and lab results from the final excavation composite samples confirmed TPH concentrations well below NMOCD guidelines. The excavated soil was blended on site and then backfilled into the excavation up to 4 ft BGS where a 1-ft-thick compacted clay layer was installed. The remaining spoils were backfilled on top of the clay on contoured to the surrounding surface. The disturbed surface was seeded with a blend of native vegetation on 5/9/2005. An identification plate was placed on the surface at the former box site to mark the presence of clay below. A new watertight junction was built 50 ft northwest of this site as a replacement.

On 5/23/2006, soil borings were initiated at this site to delineate chloride concentrations with depth. Soil bore #1 was located 20 ft West of the former junction and exhibited low chloride and concentrations declined significantly with depth. Soil bore #2 was located 15 ft East of the former junction near the edge of the backfilled excavation. Chloride concentrations also exhibited a conclusive decline with depth. Soil bore #3 was located 15 ft West of the former junction near the western edge of the backfilled excavation. Chloride concentrations here also confirmed non-saturated historical vadose conditions. Based on the soil boring data, chloride concentrations remaining on site are not threatening to groundwater, public health, or the environment. The disturbed surface was seeded with a blend of native vegetation on 5/9/2005 and is expected to return to productive capacity at a normal rate.

enclosures: 3 chloride graphs, photos, 3 lab results, PID screenings, clay test, cross-section

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

SITE SUPERVISOR Melanie Franks (soil bores SIGNATURE) *Melanie Franks* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*
DATE 8/24/2006 TITLE Project Scientist

FINAL

30' x 30' x 12'

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: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100.7

100 PPM
BALANCE
FILL DATE: 7-7-04
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent E-20	E	20	21	37

All
composite
samples

	SAMPLE	PID RESULT	SAMPLE	PID RESULT
15'	North Wall Comp.	1.4		
15'	South Wall Comp.	1.0		
15'	East Wall Comp.	1.7		
15'	West Wall Comp.	6.9		
	Rem. Backfill	1.8		
	4 Wall Comp.	4.3		
12'	Bottom Comp.	0.5		

COPY

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

Signature Israd Knaz

Date 4-14-05

BD E-20 vent

2002-2006



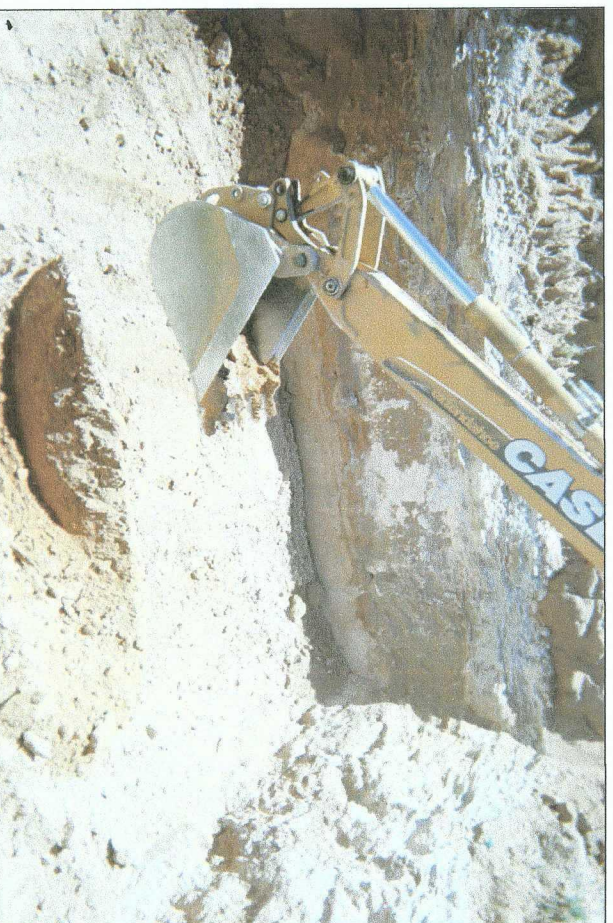
undisturbed junction box

10/8/2002



box removed after NORM decontamination

10/10/2002



further delineation

4/12/2005



backfilling final 30 x 30 x 12-ft-deep excavation

4/25/2005



testing compacted clay

4/26/2005



seeding disturbed surface (marker at former jct. site)

5/9/2005



watering seed; replacement junction box in foreground

5/9/2005



soil bore delineation

5/23/2006



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

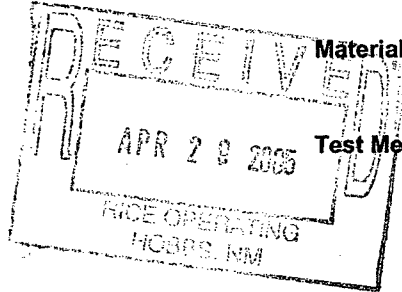


DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

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

Project: BD Vent E-20

Date of Test: April 26, 2005



Material:

Red Clay

Test Method:

ASTM: D 2922

Depth:

Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 30' W. & 25' N. of the SE Corner	96.4	16.3	

COPY

Control Density: 104.6
ASTM: D 698


Optimum Moisture: 21.2

Required Compaction: 95%

Lab No.: 05 4033-4034

Copies To: Rice ✓

PETTIGREW & ASSOCIATES

BY:  S.E.T.

BD E-20 vent

T21S, R37E

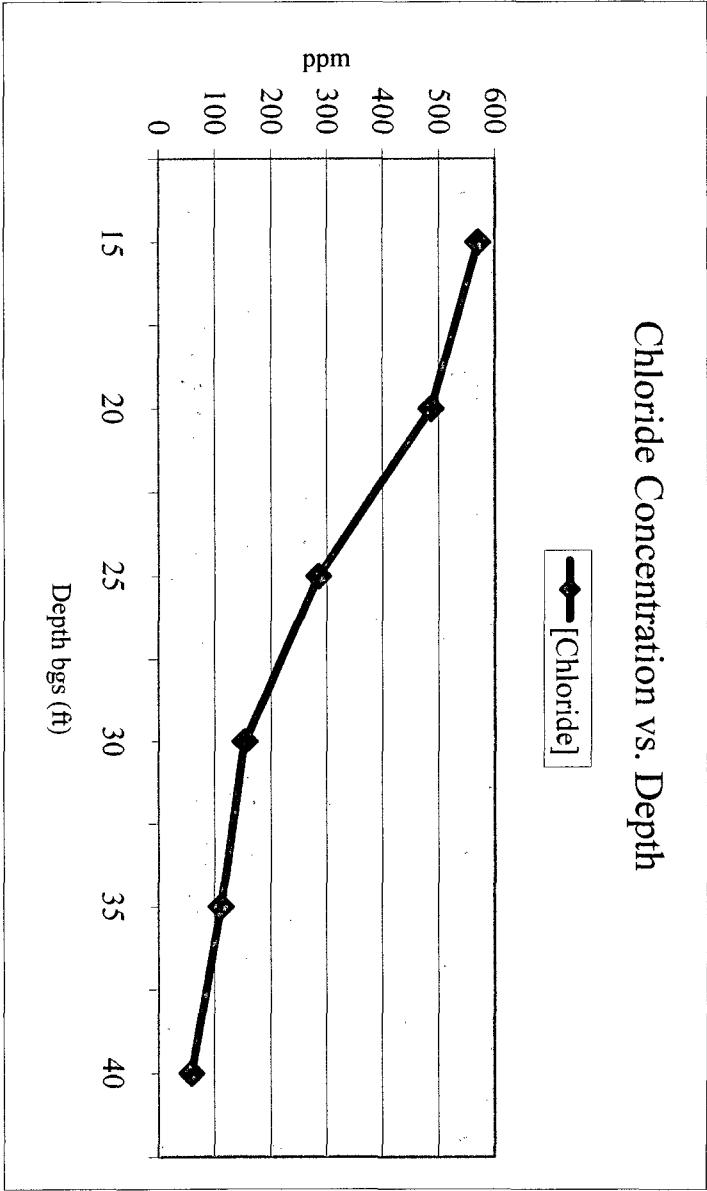
5/23/2006

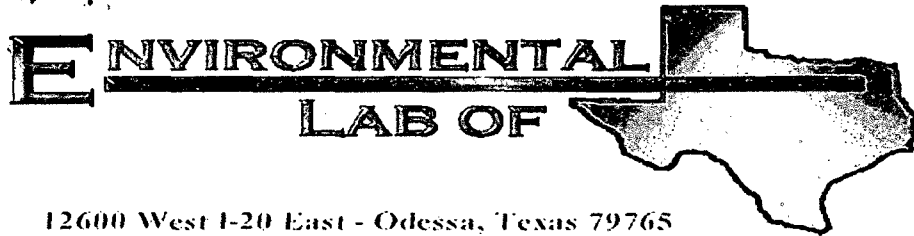
SOIL BORE #1

20 ft WEST of junction

Depth bgs (ft)	[Cl] ppm
15	571
20	487
25	285
30	153
35	112
40	59

Groundwater = 99 ft





12600 West I-20 East - Odessa, Texas 79765

Soil Bore #3
65 ft

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD E-20 Vent

Project Number: None Given

Location: None Given

Lab Order Number: 6E26016

Report Date: 08/04/06

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

Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B3 @ 65' bgs	6E26016-01	Soil	2006-05-24 13:55	2006-05-26 18:00

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: BD E-20 Vent Project Number: None Given Project Manager: Kristin Farris-Pope	Fax: (505) 397-1471
--	---	---------------------

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3 @ 65' bgs (6E26016-01) Soil									
Total Hydrocarbon nC6-nC35	ND	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	J
Carbon Ranges C6-C12	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		89.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		88.2 %	70-130		"	"	"	"	

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

Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3 @ 65' bgs (6E26016-01) Soil									
Chloride	101	5.00	mg/kg	10	EE63107	05/31/06	05/31/06	EPA 300.0	
% Moisture	2.9	0.1	%	1	EE63102	05/30/06	05/31/06	% calculation	

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

Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EE63114 - Solvent Extraction (GC)

Blank (EE63114-BLK1)

Prepared: 05/31/06 Analyzed: 06/01/06

Total Hydrocarbon nC6-nC35	ND	10.0	mg/kg wet							J
Carbon Ranges C6-C12	ND	10.0	"							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	70-130			
Surrogate: 1-Chlorooctadecane	47.0		"	50.0		94.0	70-130			

LCS (EE63114-BS1)

Prepared: 05/31/06 Analyzed: 06/01/06

Total Hydrocarbon nC6-nC35	1130	10.0	mg/kg wet	1000		113	75-125			J
Carbon Ranges C6-C12	561	10.0	"	500		112	75-125			
Carbon Ranges C12-C28	564	10.0	"	500		113	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	46.3		"	50.0		92.6	70-130			

Calibration Check (EE63114-CCV1)

Prepared: 05/31/06 Analyzed: 06/01/06

Total Hydrocarbon nC6-nC35	572		mg/kg	500		114	80-120			J
Carbon Ranges C6-C12	288		"	250		115	80-120			
Carbon Ranges C12-C28	284		"	250		114	80-120			
Surrogate: 1-Chlorooctane	62.5		"	50.0		125	70-130			
Surrogate: 1-Chlorooctadecane	61.9		"	50.0		124	70-130			

Matrix Spike (EE63114-MS1)

Source: 6E26006-03

Prepared: 05/31/06 Analyzed: 06/01/06

Total Hydrocarbon nC6-nC35	1190	10.0	mg/kg dry	1140	32.4	102	75-125			J
Carbon Ranges C6-C12	589	10.0	"	571	ND	103	75-125			
Carbon Ranges C12-C28	598	10.0	"	571	32.4	99.1	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	45.7		"	50.0		91.4	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 7

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

Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EE63114 - Solvent Extraction (GC)

Matrix Spike Dup (EE63114-MSD1)

Source: 6E26006-03

Prepared: 05/31/06 Analyzed: 06/01/06

Total Hydrocarbon nC6-nC35	1170	10.0	mg/kg dry	1140	32.4	99.8	75-125	1.69	20	J
Carbon Ranges C6-C12	579	10.0	"	571	ND	101	75-125	1.71	20	
Carbon Ranges C12-C28	589	10.0	"	571	32.4	97.5	75-125	1.52	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	44.7		"	50.0		89.4	70-130			

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

Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EE63102 - General Preparation (Prep)

Blank (EE63102-BLK1)

Prepared: 05/30/06 Analyzed: 05/31/06

% Solids 100 %

Duplicate (EE63102-DUP1)

Source: 6E26011-01

Prepared: 05/30/06 Analyzed: 05/31/06

% Solids 96.4 % 96.5 0.104 20

Batch EE63107 - Water Extraction

Blank (EE63107-BLK1)

Prepared & Analyzed: 05/31/06

Chloride ND 0.500 mg/kg

LCS (EE63107-BS1)

Prepared & Analyzed: 05/31/06

Chloride 10.0 0.500 mg/kg 10.0 100 80-120

Calibration Check (EE63107-CCV1)

Prepared & Analyzed: 05/31/06

Chloride 10.1 mg/L 10.0 101 80-120

Duplicate (EE63107-DUP1)

Source: 6E26015-01

Prepared & Analyzed: 05/31/06

Chloride 320 10.0 mg/kg 304 5.13 20

Duplicate (EE63107-DUP2)

Source: 6E30005-01

Prepared & Analyzed: 05/31/06

Chloride 672 10.0 mg/kg 659 1.95 20

Matrix Spike (EE63107-MS1)

Source: 6E26015-01

Prepared & Analyzed: 05/31/06

Chloride 573 10.0 mg/kg 200 304 134 80-120 S-07

Matrix Spike (EE63107-MS2)

Source: 6E30005-01

Prepared & Analyzed: 05/31/06

Chloride 845 10.0 mg/kg 200 659 93.0 80-120

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

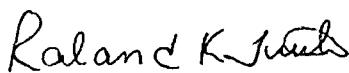
Project: BD E-20 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits.
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:

8/4/2006

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.

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

Kristen Laris Page

Real Operating Company

123 Tenth

Hobbs Am 88210

5051393-9174

James C. Walker

1910-1911

Project #:

Project Log:

三〇

[illegible]

Special Instructions:

Relinquished by

Reinquished by: William J. Burke

Received by:

Received by: Colby

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

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

Relinquished by:

Relinquished by:

Received by ELO

Time	Date
16:00	9/26

16:00	Time
27/26	Date

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating

Date/Time: 05-26-06 @ 1800

Order #: 6E 26016

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.0	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Jeanne McMurrey

From: "Melanie Franks" <mfranks@riceswd.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Friday, August 04, 2006 8:21 AM
Subject: RE: Lab order # 6E2616

Jeanne,

I made a mistake on one of my COC's that I sent you on 5/24/06 Lab order number 6E26016. It shows that I put bore #1 and it should actually be bore # 3 @ 65ft. I was needing to know what we need to do to correct this. I am sorry for any problems this might cause.

Thanks,

Melanie Franks
Environmental Tech
RICE Operating Co.
Hobbs, NM 88240
505-393-9174 Office
505-631-6432 Cell

--

This message has been scanned for viruses and dangerous content by BasinBroadband, and is believed to be clean.

8/4/2006

BD E-20 vent

T21S, R37E

5/23/2006

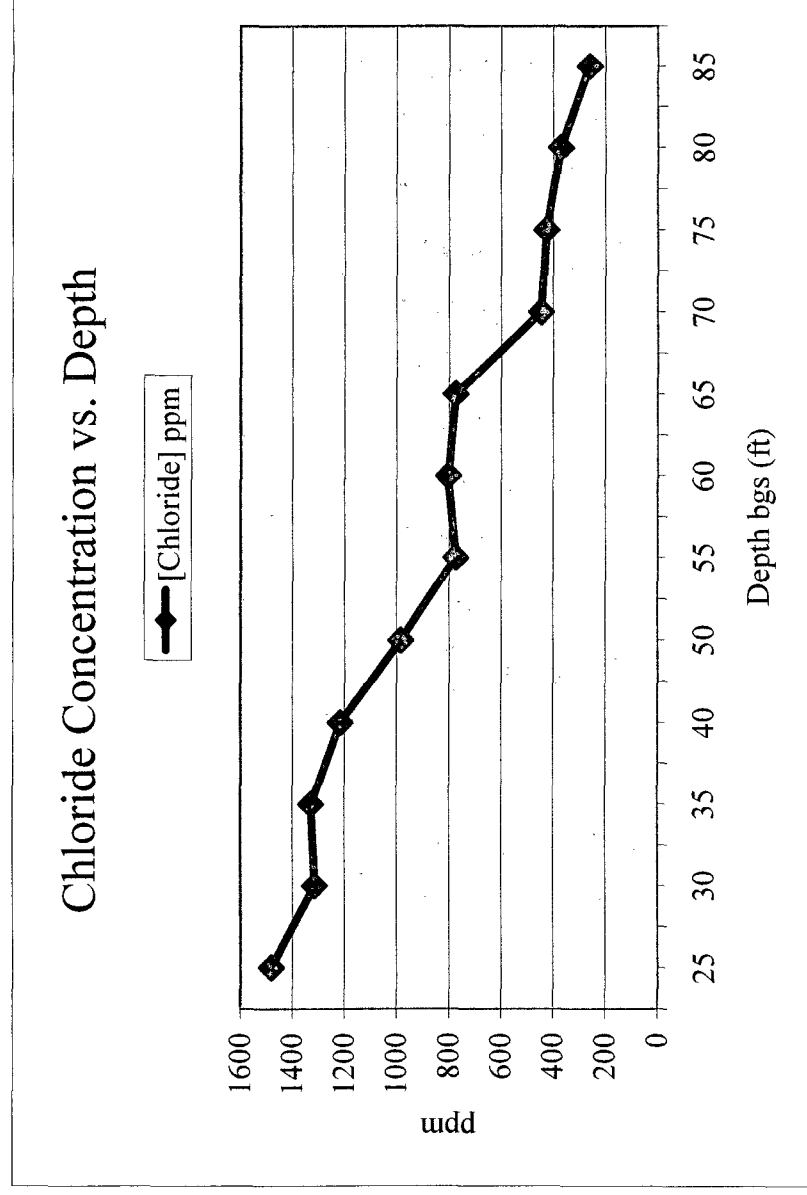
SOIL BORE #2

5/23/2006

15 ft EAST of junction

Depth bgs (ft)	[Cl ⁻] ppm
25	1481
30	1315
35	1329
40	1216
50	985
55	775
60	803
65	774
70	445
75	425
80	370
85	260

Groundwater = 99 ft

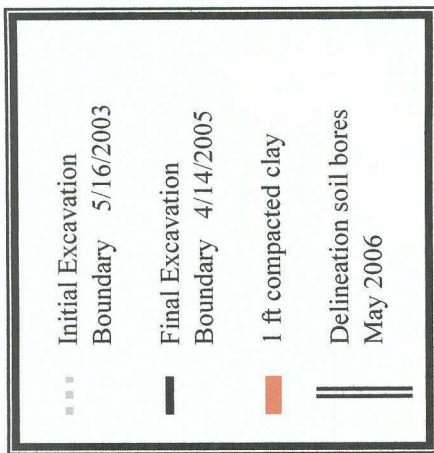


BD E-20 vent

30 x 30 x 12-ft-deep

Excavation Cross-Section

* The replacement junction box was built
50 ft northwest from this site.

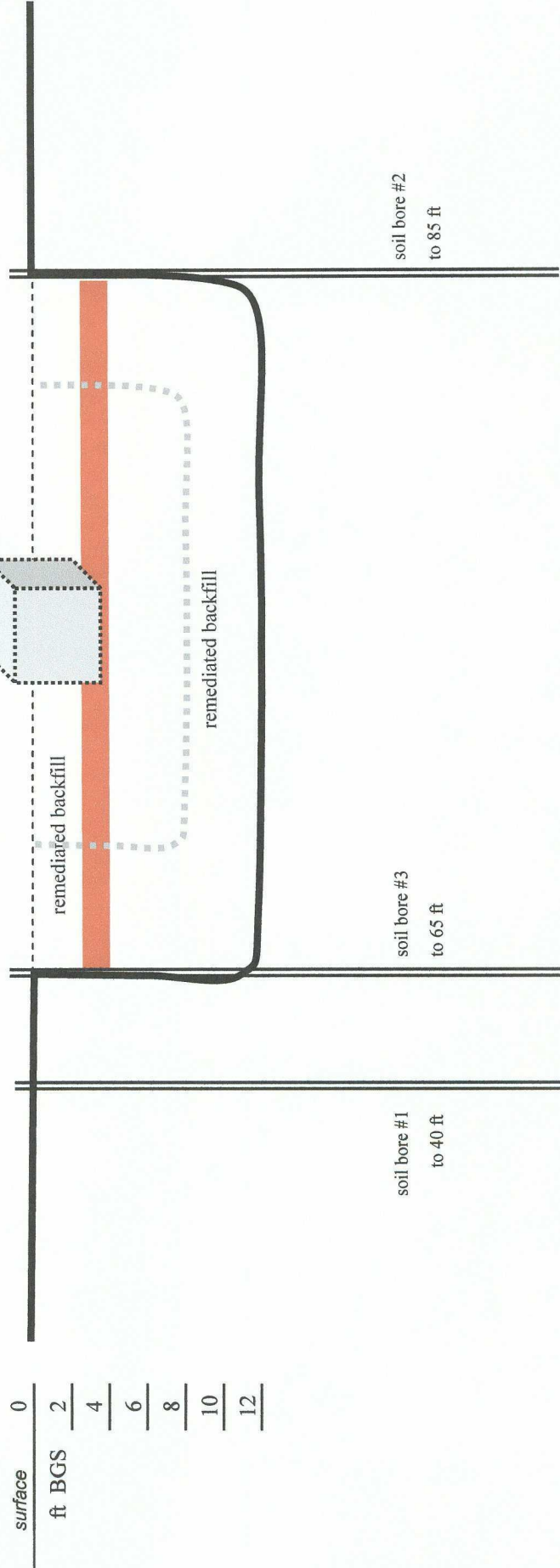


30 ft

W

E

former junction box site *



BD E-20 vent

T21S, R37E

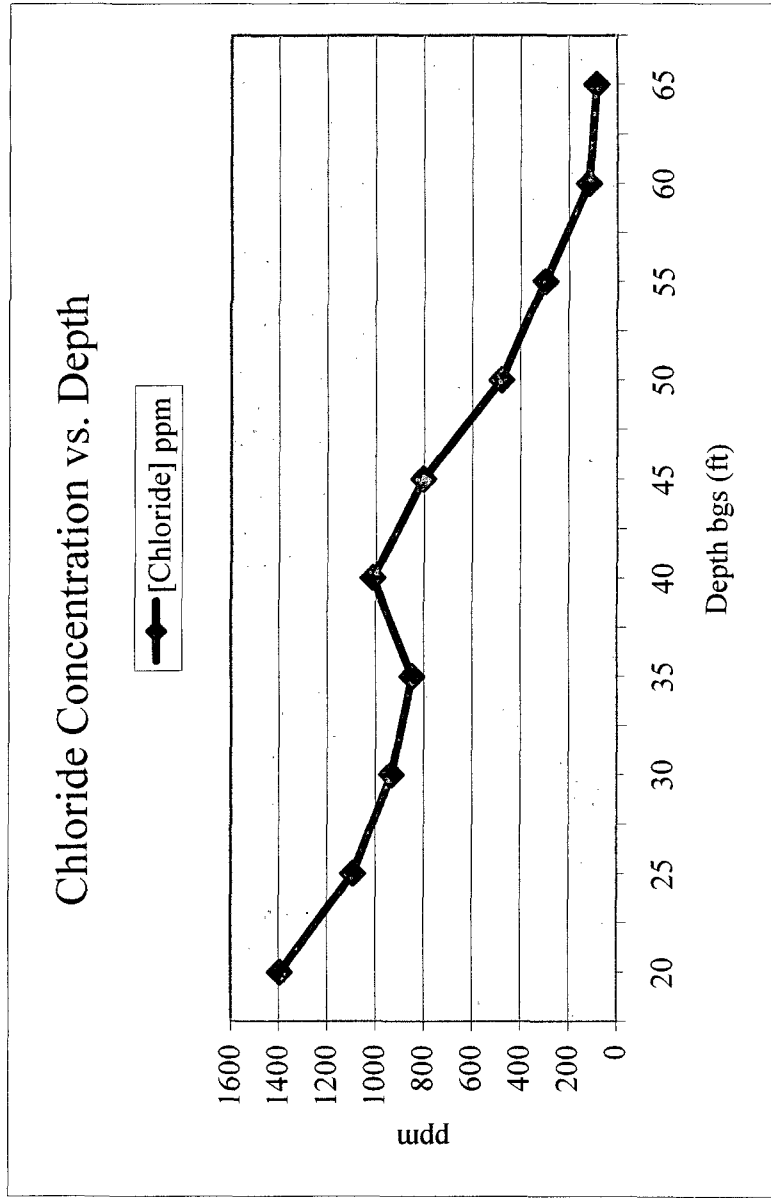
5/24/2006

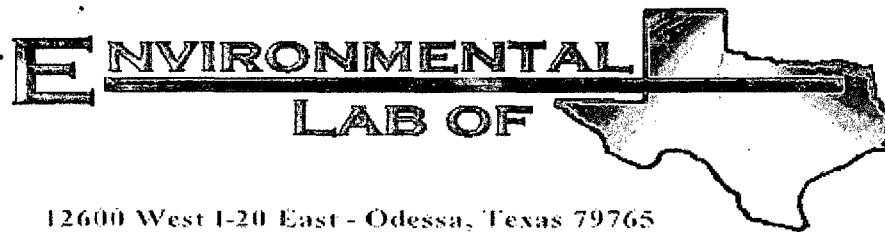
SOIL BORE #3

15 ft WEST of junction

Depth bgs (ft)	[Cl ⁻] ppm
20	1395
25	1094
30	934
35	850
40	1012
45	803
50	479
55	299
60	116
65	85

Groundwater = 99 ft





12600 West I-20 East - Odessa, Texas 79765

Soil Bore #1
@ 40 ft
#2 @ 85 ft

COPY Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD E-20

Project Number: None Given

Location: None Given

Lab Order Number: 6E25002

Report Date: 05/30/06

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
85' bgs B2	6E25002-01	Soil	05/23/06 16:05	05/25/06 08:00
40' bgs B1	6E25002-02	Soil	05/23/06 14:21	05/25/06 08:00

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
85' bgs B2 (6E25002-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62508	05/25/06	05/26/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		105 %	70-130		"	"	"	"	
40' bgs B1 (6E25002-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE62508	05/25/06	05/26/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-130		"	"	"	"	

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
85' bgs B2 (6E25002-01) Soil									
Chloride	194	10.0	mg/kg	20	EE63005	05/29/06	05/29/06	EPA 300.0	
% Moisture	0.4	0.1	%	1	EE62607	05/25/06	05/26/06	% calculation	
40' bgs B1 (6E25002-02) Soil									
Chloride	30.4	5.00	mg/kg	10	EE63005	05/29/06	05/29/06	EPA 300.0	
% Moisture	0.2	0.1	%	1	EE62607	05/25/06	05/26/06	% calculation	

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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 EE62508 - Solvent Extraction (GC)

Blank (EE62508-BLK1)

Prepared & Analyzed: 05/25/06

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 nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		88.0	70-130			
Surrogate: 1-Chlorooctadecane	46.1		"	50.0		92.2	70-130			

LCS (EE62508-BS1)

Prepared & Analyzed: 05/25/06

Carbon Ranges C6-C12	539	10.0	mg/kg wet	500		108	75-125			
Carbon Ranges C12-C28	481	10.0	"	500		96.2	75-125			
Total Hydrocarbon nC6-nC35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	70-130			
Surrogate: 1-Chlorooctadecane	44.0		"	50.0		88.0	70-130			

Calibration Check (EE62508-CCV1)

Prepared: 05/25/06 Analyzed: 05/26/06

Carbon Ranges C6-C12	283		mg/kg	250		113	80-120			
Carbon Ranges C12-C28	295		"	250		118	80-120			
Total Hydrocarbon nC6-nC35	578		"	500		116	80-120			
Surrogate: 1-Chlorooctane	48.0		"	50.0		96.0	70-130			
Surrogate: 1-Chlorooctadecane	47.6		"	50.0		95.2	70-130			

Matrix Spike (EE62508-MS1)

Source: 6E24001-07

Prepared & Analyzed: 05/25/06

Carbon Ranges C6-C12	578	10.0	mg/kg dry	538	ND	107	75-125			
Carbon Ranges C12-C28	462	10.0	"	538	ND	85.9	75-125			
Total Hydrocarbon nC6-nC35	1040	10.0	"	1080	ND	96.3	75-125			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	48.3		"	50.0		96.6	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 8

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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 EE62508 - Solvent Extraction (GC)

Matrix Spike Dup (EE62508-MSD1)

Source: 6E24001-07

Prepared & Analyzed: 05/25/06

Carbon Ranges C6-C12	586	10.0	mg/kg dry	538	ND	109	75-125	1.37	20	
Carbon Ranges C12-C28	471	10.0	"	538	ND	87.5	75-125	1.93	20	
Total Hydrocarbon nC6-nC35	1060	10.0	"	1080	ND	98.1	75-125	1.90	20	
Surrogate: 1-Chlorooctane	52.3		mg/kg	50.0		105	70-130			
Surrogate: 1-Chlorooctadecane	48.7		"	50.0		97.4	70-130			

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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 EE62607 - General Preparation (Prep)										
Blank (EE62607-BLK1)				Prepared: 05/25/06 Analyzed: 05/26/06						
% Solids	100		%							
Duplicate (EE62607-DUP1)				Source: 6E24016-01 Prepared: 05/25/06 Analyzed: 05/26/06						
% Solids	96.6		%		96.8			0.207	20	
Duplicate (EE62607-DUP2)				Source: 6E24016-21 Prepared: 05/25/06 Analyzed: 05/26/06						
% Solids	99.6		%		99.9			0.301	20	
Duplicate (EE62607-DUP3)				Source: 6E24016-41 Prepared: 05/25/06 Analyzed: 05/26/06						
% Solids	99.7		%		99.5			0.201	20	
Duplicate (EE62607-DUP4)				Source: 6E25007-02 Prepared: 05/25/06 Analyzed: 05/26/06						
% Solids	90.8		%		89.7			1.22	20	
Batch EE63005 - Water Extraction										
Blank (EE63005-BLK1)				Prepared & Analyzed: 05/29/06						
Chloride	ND	0.500	mg/kg							
LCS (EE63005-BS1)				Prepared & Analyzed: 05/29/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EE63005-CCV1)				Prepared & Analyzed: 05/29/06						
Chloride	10.3		mg/L	10.0		103	80-120			
Duplicate (EE63005-DUP1)				Source: 6E24016-41 Prepared & Analyzed: 05/29/06						
Chloride	12.2	5.00	mg/kg		12.8			4.80	20	

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 6 of 8

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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 EE63005 - Water Extraction										
Duplicate (EE63005-DUP2)		Source: 6E25008-02		Prepared & Analyzed: 05/29/06						
Chloride	181	20.0	mg/kg		179			1.11	20	
Matrix Spike (EE63005-MS1)		Source: 6E24016-41		Prepared & Analyzed: 05/29/06						
Chloride	102	5.00	mg/kg	100	12.8	89.2	80-120			
Matrix Spike (EE63005-MS2)		Source: 6E25008-02		Prepared & Analyzed: 05/29/06						
Chloride	571	20.0	mg/kg	400	179	98.0	80-120			

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 7 of 8

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

Project: BD E-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/30/06 16:59

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:

5/30/2006

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.

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, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-663-1800
Fax: 915-663-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Kristen Farris Pope

Company Name

Rice Operating Company

Company Address:

122 W. Taylor

City/State/Zip:

Hollos NM 88240

Telephone No:

505/393-9174

Fax No:

Sampler Signature:

Melanie Franko

Project Name:

BO ESD

Project #:

Project Loc:

PO #:

Analyze For:

TCLP:

TOTAL:

TPH 8015M GROUND

TPH TX 1005/1005

TPH 478.1

IDS (CL) SAR / EC

Other (Specify)

Soil

Sludge

Water

Other (Specify)

None

H₂SO₄

NaOH

HCl

HNO₃

Ice

No. of Containers

Time Sampled

Date Sampled

FIELD CODE

LAB USE ONLY

85' bags PA

40' bags PA

5/23/00 4:05

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

5/23/00 2:21

Special Instructions:

Relinquished by:

Melanie Franko

Date

5/24/00

Time

8:00

Received by:

CD Karyn

Date

5/24/17:30

Time

17:30

Relinquished by:

CD Karyn

Date

5/25

Time

8:00

Received by:

Melanie Franko

Date

5/24/17:30

Time

17:30

Sample Collection Information
Container(s) Used: _____
Laboratory Comments: _____

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

Client: Pine OP.
 Date/Time: 5/25/06 8:00
 Order #: WE25002
 Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0	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		
QC 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:

FINAL

30' x 30' x 12'

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: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100.7

100 PPM
BALANCE
FILL DATE: 7-7-04
ACCURACY: ± 2%

All
composite
samples

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Vent E-20	E	20	21	37

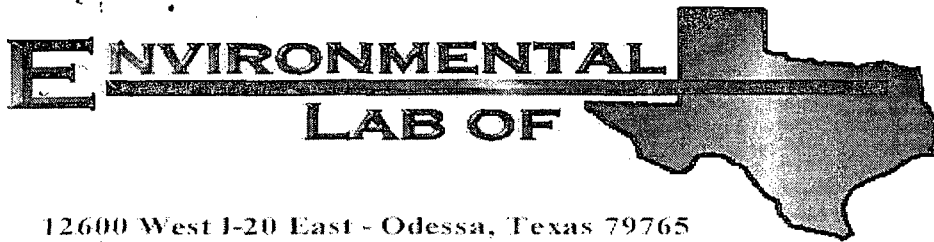
	SAMPLE	PID RESULT	SAMPLE	PID RESULT
15'	North Wall Comp.	1.4		
15'	South Wall Comp.	1.0		
15'	East Wall Comp.	1.7		
15'	West Wall Comp.	6.9		
	Rem. Backfill	1.8		
	4 Wall Comp.	4.3		
12'	Bottom Comp.	0.5		

COPY

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

Signature Isradfary

Date 4-14-05



30' x 30' x 12'

12600 West I-20 East - Odessa, Texas 79765

COPY

Analytical Report

Prepared for:

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

Project: BD Vent E-20
Project Number: None Given
Location: None Given

Lab Order Number: 5D15005

Report Date: 04/20/05

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
04/20/05 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4 Wall Comp.	5D15005-01	Soil	04/14/05 14:18	04/15/05 13:30
Bottom Comp.	5D15005-02	Soil	04/14/05 13:53	04/15/05 13:30
Remediated Backfill	5D15005-03	Soil	04/14/05 13:21	04/15/05 13:30

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Wall Comp. (5D15005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		72.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		76.8 %	70-130		"	"	"	"	
Bottom Comp. (5D15005-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		72.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.4 %	70-130		"	"	"	"	
Remediated Backfill (5D15005-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51904	04/18/05	04/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	23.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	23.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.6 %	70-130		"	"	"	"	

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Wall Comp. (5D15005-01) Soil									
Chloride	1500	50.0	mg/kg	100	ED52011	04/18/05	04/18/05	EPA 300.0	
% Moisture	10.2	0.1	%	1	ED51907	04/18/05	04/19/05	% calculation	
Bottom Comp. (5D15005-02) Soil									
Chloride	699	25.0	mg/kg	50	ED52011	04/18/05	04/18/05	EPA 300.0	
% Moisture	8.9	0.1	%	1	ED51907	04/18/05	04/19/05	% calculation	
Remediated Backfill (5D15005-03) Soil									
Chloride	762	25.0	mg/kg	50	ED52011	04/18/05	04/18/05	EPA 300.0	
% Moisture	7.9	0.1	%	1	ED51907	04/18/05	04/19/05	% calculation	

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

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 ED51514 - Solvent Extraction (GC)

Blank (ED51514-BLK1)

Prepared & Analyzed: 04/15/05

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	38.6		mg/kg	50.0		77.2	70-130			
Surrogate: 1-Chlorooctadecane	37.9		"	50.0		75.8	70-130			

LCS (ED51514-BS1)

Prepared & Analyzed: 04/15/05

Gasoline Range Organics C6-C12	399	10.0	mg/kg wet	500		79.8	75-125			
Diesel Range Organics >C12-C35	411	10.0	"	500		82.2	75-125			
Total Hydrocarbon C6-C35	810	10.0	"	1000		81.0	75-125			
Surrogate: 1-Chlorooctane	37.8		mg/kg	50.0		75.6	70-130			
Surrogate: 1-Chlorooctadecane	35.6		"	50.0		71.2	70-130			

Calibration Check (ED51514-CCV1)

Prepared & Analyzed: 04/15/05

Gasoline Range Organics C6-C12	492		mg/kg	500		98.4	80-120			
Diesel Range Organics >C12-C35	585		"	500		117	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	63.4		"	50.0		127	70-130			
Surrogate: 1-Chlorooctadecane	64.9		"	50.0		130	70-130			

Matrix Spike (ED51514-MS1)

Source: 5D14013-01

Prepared: 04/15/05 Analyzed: 04/16/05

Gasoline Range Organics C6-C12	468	10.0	mg/kg dry	543	ND	86.2	75-125			
Diesel Range Organics >C12-C35	613	10.0	"	543	ND	113	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1090	ND	99.1	75-125			
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	46.9		"	50.0		93.8	70-130			

Matrix Spike Dup (ED51514-MSD1)

Source: 5D14013-01

Prepared: 04/15/05 Analyzed: 04/16/05

Gasoline Range Organics C6-C12	492	10.0	mg/kg dry	543	ND	90.6	75-125	5.00	20	
Diesel Range Organics >C12-C35	600	10.0	"	543	ND	110	75-125	2.14	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1090	ND	100	75-125	0.922	20	
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	46.8		"	50.0		93.6	70-130			

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

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 ED51904 - Solvent Extraction (GC)

Blank (ED51904-BLK1)

Prepared & Analyzed: 04/18/05

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	37.8		mg/kg	50.0		75.6	70-130			
Surrogate: 1-Chlorooctadecane	36.0		"	50.0		72.0	70-130			

LCS (ED51904-BS1)

Prepared & Analyzed: 04/18/05

Gasoline Range Organics C6-C12	431	10.0	mg/kg wet	500		86.2	75-125			
Diesel Range Organics >C12-C35	537	10.0	"	500		107	75-125			
Total Hydrocarbon C6-C35	968	10.0	"	1000		96.8	75-125			
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.2	70-130			
Surrogate: 1-Chlorooctadecane	40.7		"	50.0		81.4	70-130			

Calibration Check (ED51904-CCV1)

Prepared & Analyzed: 04/18/05

Gasoline Range Organics C6-C12	430		mg/kg	500		86.0	80-120			
Diesel Range Organics >C12-C35	547		"	500		109	80-120			
Total Hydrocarbon C6-C35	977		"	1000		97.7	80-120			
Surrogate: 1-Chlorooctane	55.8		"	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	64.7		"	50.0		129	70-130			

Matrix Spike (ED51904-MS1)

Source: 5D15005-03

Prepared & Analyzed: 04/18/05

Gasoline Range Organics C6-C12	511	10.0	mg/kg dry	543	ND	94.1	75-125			
Diesel Range Organics >C12-C35	520	10.0	"	543	23.1	91.5	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1090	23.1	92.4	75-125			
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.0	70-130			
Surrogate: 1-Chlorooctadecane	42.7		"	50.0		85.4	70-130			

Matrix Spike Dup (ED51904-MSD1)

Source: 5D15005-03

Prepared & Analyzed: 04/18/05

Gasoline Range Organics C6-C12	476	10.0	mg/kg dry	543	ND	87.7	75-125	7.09	20	
Diesel Range Organics >C12-C35	569	10.0	"	543	23.1	101	75-125	9.00	20	
Total Hydrocarbon C6-C35	1040	10.0	"	1090	23.1	93.3	75-125	0.966	20	
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.0	70-130			
Surrogate: 1-Chlorooctadecane	43.8		"	50.0		87.6	70-130			

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

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 ED51907 - General Preparation (Prep)

Blank (ED51907-BLK1)

Prepared: 04/18/05 Analyzed: 04/19/05

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

Duplicate (ED51907-DUP1)

Source: 5D15005-01

Prepared: 04/18/05 Analyzed: 04/19/05

% Moisture	10.7	0.1	%		10.2			4.78	20	
------------	------	-----	---	--	------	--	--	------	----	--

Batch ED52011 - Water Extraction

Blank (ED52011-BLK1)

Prepared & Analyzed: 04/18/05

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

LCS (ED52011-BS1)

Prepared & Analyzed: 04/18/05

Chloride	10.7		mg/L	10.0		107	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Calibration Check (ED52011-CCV1)

Prepared & Analyzed: 04/18/05

Chloride	10.9		mg/L	10.0		109	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Duplicate (ED52011-DUP1)

Source: 5D14016-05

Prepared & Analyzed: 04/18/05

Chloride	30.8	5.00	mg/kg		35.9			15.3	20	
----------	------	------	-------	--	------	--	--	------	----	--

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

Project: BD Vent E-20
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/20/05 13:55

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: 4-21-05

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, Inc.

**12600 West I-20 East
Odessa, Texas 79763**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: BD Kent E-20

Project #:

Project Loc:

PO #:

Fax No: 505-397-1471

City/State/Zip: Hobbs, NM 88240

Telephone No: 505-393-9174

Sampler Signature: Arash Poury

[illegible]

Special Instructions:

Relinquished by:

Date 4-15-05

Received by:

Received by: *CD Brown*

te	Time
----	------

te	Time
----	------

Sample Containers Intact?	
Temperature Upon Receipt:	
Laboratory Comments:	

Sample Containers Intact?

Israel Kray
Relinquished by: *Israel Kray*

4-15-05

2

John

11.5
—
11.511.5
—
11.5

4oz glass on ice w/ seals

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 04-15-05 @ 1330

Order #: 5D1500S

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	0.5	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present	
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:
