1R - 426-129

REPORTS

DATE:

2006

IR-426-129

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		
							Length	Width	Depth
BD	jct. D-15	D	15	22S	37E	Lea	moved 30 ft southeast		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Warren Hughes OTHER _____

Depth to Groundwater 85 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 7/14/2003 Date Completed 4/13/2006 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 5/5/2005, 4/13/2006 **Sample Depth** 12, 40 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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	2.2	<10.0	<10.0	841
BOTTOM COMP.	18.3	13.2	341.0	683
BACKFILL	8.2	12.4	147.0	461
SOIL BORE @ 40 ft	0.0	<10.0	<10.0	96.8

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
delineation trench 25 ft SE of jct.	1	482
	2	587
	3	978
	4	895
	5	1596
	6	1544
	7	1994
	8	1889
	9	684
	10	1874
	11	2159
	12	2571
SOIL BORING 25 ft SE of jct.	20	1357
	25	1097
	30	327
	35	271
	40	202
4-wall comp.	n/a	694
bottom comp.	12	694
backfill comp.	n/a	521

General Description of Remedial Action:

This junction was replaced 30 ft southeast with the pipeline replacement/upgrade program. The box lumber was removed from the old junction site and delineation began by using a backhoe to collect soil samples at regular intervals to produce a 12 x 12 x 12 hole. Chloride field tests were performed on the samples. Delineation and excavation resumed in 2005 to expand the dimensions of the excavation to 30 x 20 x 12 ft. Organic vapors were measured on these samples using a PID and chloride field tests were also performed. The excavated soil was blended on site and then backfilled into the hole to 6 ft BGS where a 1-ft-thick clay layer was installed. The remaining fill was placed on top of the clay and contoured to the surrounding surface. On 4/13/2006, a soil boring was initiated to confirm depth of chloride concentrations 25 ft southeast of the junction. Chloride field tests exhibited a conclusive trend of decline at 40 ft where the boring was stopped and plugged; lab analysis confirmed. The disturbed surface can be expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings, chloride graph, boring log & diagram, cross-section

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy L. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 11/21/2006 TITLE Project Scientist

BD jct. D-15

Unit 'D', Section 15, T22S, R37E

undisturbed junction box August 2002

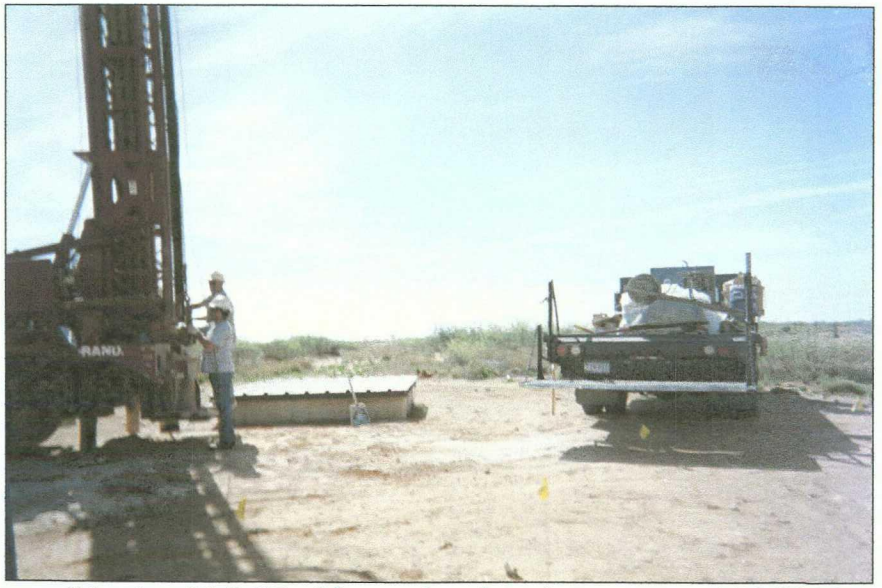
vertical delineation trench at jct. 4/29/2005

continuing delineation & excavation

collecting soil samples from excavation

installing clay barrier at 6 ft BGS Sept. 2005

testing clay barrier 9/28/2005



soil boring 25 ft SE of former box location 4/13/2006

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
Phone: (505) 393-9174 Fax: (505) 397-1471

VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.	☐	MODEL: PGM 761S	SERIAL NO: 104412
MODEL	☐	MODEL: PGM 761S	SERIAL NO: 104490
NO.	☒	MODEL: PGM 7600	SERIAL NO: 110-12383

LOT NO: D5-2992
GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE
FILL DATE: 11/1/05
EXP. DATE: 5/1/07
ACCURACY: +/- 2%
METER READING ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	D-15	D	15	22S	37E

SAMPLE	PID RESULTS	SAMPLE	PID RESULTS
20' bgs	0		
25' bgs	0		
30' bgs	0		
35' bgs	0		
40' bgs	0		

I verify that I have calibrated the above instrument in accordance to the manufacure operation manual.

SIGNATURE: Melanie Franks DATE: 4/13/06

30 x 20 x 12 ft

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: BD Jct. D-15
Project Number: None Given
Location: None Given

Lab Order Number: 5E09009

Report Date: 05/11/05

Rice Operating Co.	Project: BD Jct. D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/11/05 11:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4 Wall Comp.	5E09009-01	Soil	05/05/05 14:08	05/06/05 17:30
Remediated Backfill	5E09009-02	Soil	05/05/05 13:30	05/06/05 17:30
Bottom Comp. at 12'	5E09009-03	Soil	05/05/05 13:35	05/06/05 17:30

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
4 Wall Comp. (5E09009-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE50904	05/09/05	05/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.8 %*	*70-130*		"	"	"	"	
Remediated Backfill (5E09009-02) Soil									
Gasoline Range Organics C6-C12	**12.4**	10.0	mg/kg dry	1	EE50904	05/09/05	05/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	**147**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**159**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.8 %*	*70-130*		"	"	"	"	
Bottom Comp. at 12' (5E09009-03) Soil									
Gasoline Range Organics C6-C12	**13.2**	10.0	mg/kg dry	1	EE50904	05/09/05	05/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	**341**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**354**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.6 %*	*70-130*		"	"	"	"	

Rice Operating Co.	Project: BD Jct. D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/11/05 11:37

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. (5E09009-01) Soil									
Chloride	**841**	25.0	mg/kg	50	EE51108	05/10/05	05/10/05	EPA 300.0	
% Moisture	**11.1**	0.1	%	1	EE50906	05/09/05	05/10/05	% calculation	
Remediated Backfill (5E09009-02) Soil									
Chloride	**461**	20.0	mg/kg	40	EE51108	05/10/05	05/10/05	EPA 300.0	
% Moisture	**11.7**	0.1	%	1	EE50906	05/09/05	05/10/05	% calculation	
Bottom Comp. at 12' (5E09009-03) Soil									
Chloride	**683**	25.0	mg/kg	50	EE51108	05/10/05	05/10/05	EPA 300.0	
% Moisture	**11.3**	0.1	%	1	EE50906	05/09/05	05/10/05	% 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 EE50904 - Solvent Extraction (GC)										
Blank (EE50904-BLK1)				Prepared & Analyzed: 05/09/05						
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	*39.0*		*mg/kg*	*50.0*		*78.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.8*		"	*50.0*		*75.6*	*70-130*			
LCS (EE50904-BS1)				Prepared & Analyzed: 05/09/05						
Gasoline Range Organics C6-C12	455	10.0	mg/kg wet	500		91.0	75-125			
Diesel Range Organics >C12-C35	470	10.0	"	500		94.0	75-125			
Total Hydrocarbon C6-C35	925	10.0	"	1000		92.5	75-125			
Surrogate: 1-Chlorooctane	*35.8*		*mg/kg*	*50.0*		*71.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.7*		"	*50.0*		*71.4*	*70-130*			
Calibration Check (EE50904-CCV1)				Prepared & Analyzed: 05/09/05						
Gasoline Range Organics C6-C12	479		mg/kg	500		95.8	80-120			
Diesel Range Organics >C12-C35	491		"	500		98.2	80-120			
Total Hydrocarbon C6-C35	970		"	1000		97.0	80-120			
Surrogate: 1-Chlorooctane	*47.0*		"	*50.0*		*94.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.5*		"	*50.0*		*79.0*	*70-130*			
Matrix Spike (EE50904-MS1)	**Source: 5E09009-01**			Prepared & Analyzed: 05/09/05						
Gasoline Range Organics C6-C12	548	10.0	mg/kg dry	562	ND	97.5	75-125			
Diesel Range Organics >C12-C35	585	10.0	"	562	ND	104	75-125			
Total Hydrocarbon C6-C35	1130	10.0	"	1120	ND	101	75-125			
Surrogate: 1-Chlorooctane	*46.6*		*mg/kg*	*50.0*		*93.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		"	*50.0*		*73.6*	*70-130*			
Matrix Spike Dup (EE50904-MSD1)	**Source: 5E09009-01**			Prepared & Analyzed: 05/09/05						
Gasoline Range Organics C6-C12	569	10.0	mg/kg dry	562	ND	101	75-125	3.76	20	
Diesel Range Organics >C12-C35	594	10.0	"	562	ND	106	75-125	1.53	20	
Total Hydrocarbon C6-C35	1160	10.0	"	1120	ND	104	75-125	2.62	20	
Surrogate: 1-Chlorooctane	*46.9*		*mg/kg*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.5*		"	*50.0*		*73.0*	*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 EE50906 - General Preparation (Prep)										
Blank (EE50906-BLK1)				Prepared: 05/09/05 Analyzed: 05/10/05						
% Moisture	ND	0.1	%							
Duplicate (EE50906-DUP1)		**Source: 5E09001-01**		Prepared: 05/09/05 Analyzed: 05/10/05						
% Moisture	2.7	0.1	%		3.0			10.5	20	
Batch EE51108 - Water Extraction										
Blank (EE51108-BLK1)				Prepared & Analyzed: 05/10/05						
Chloride	ND	0.500	mg/kg							
LCS (EE51108-BS1)				Prepared & Analyzed: 05/10/05						
Chloride	10.3		mg/L	10.0		103	80-120			
Calibration Check (EE51108-CCV1)				Prepared & Analyzed: 05/10/05						
Chloride	10.6		mg/L	10.0		106	80-120			
Duplicate (EE51108-DUP1)		**Source: 5E09009-01**		Prepared & Analyzed: 05/10/05						
Chloride	871	25.0	mg/kg		841			3.50	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: 5-16-05

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.

Environmental Lab of Texas, Inc.

2600 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 Operating Company
Company Address: 122 W Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: 505-393-9174 Fax No: 505-397-1471
Sampler Signature: Israel Chavez

Project Name: BD Jct D-15
Project #:
Project Loc:
PO #:

E9009

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: / TOTAL: /CLI	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	EC, CEC, SAR, ESP	Major cations/anions, TDS					RUSH TAT (Pre-Schedule)	Standard TAT
01	4 Wall Comp.	5/5/05	2:08	1	X									X		X			X												
02	Remediated Backfill	5/5/05	1:30	1	X									X		X			X												
03	Bottom Comp. At 12'	5/5/05	1:35	1	X									X		X			X												

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
Rec 0.5°C.
4oz jar

Relinquished by:	Date	Time	Received by:	Date	Time
Israel Chavez	5/5/05	2:00 PM		5/6/05	15:00
	5/6/05	17:30	Received by ELOT:	5-6-05	1730

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

Client: Rice

Date/Time: 5-06-07

Order #: 5E09009

Initials: MT

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	D.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	(Yes)	No	Not present
Custody Seals intact on sample bottles?	(Yes)	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not 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 76IS
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE AIR

LOT NO: 04-2747
EXP. DATE: 5-19-06
METER READING
ACCURACY: 100.0

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 11-19-04
ACCURACY: ± 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
BD	D-15	D	15	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Remediated Backfill	8.2		
Bottom Comp. at 12'	18.3		
North Wall Comp at 10'	2.6		
South Wall Comp. At 10'	7.0		
East Wall Comp. at 20'	3.5		
West Wall Comp. at 10'	6.6		
4 Wall Comp	2.2		

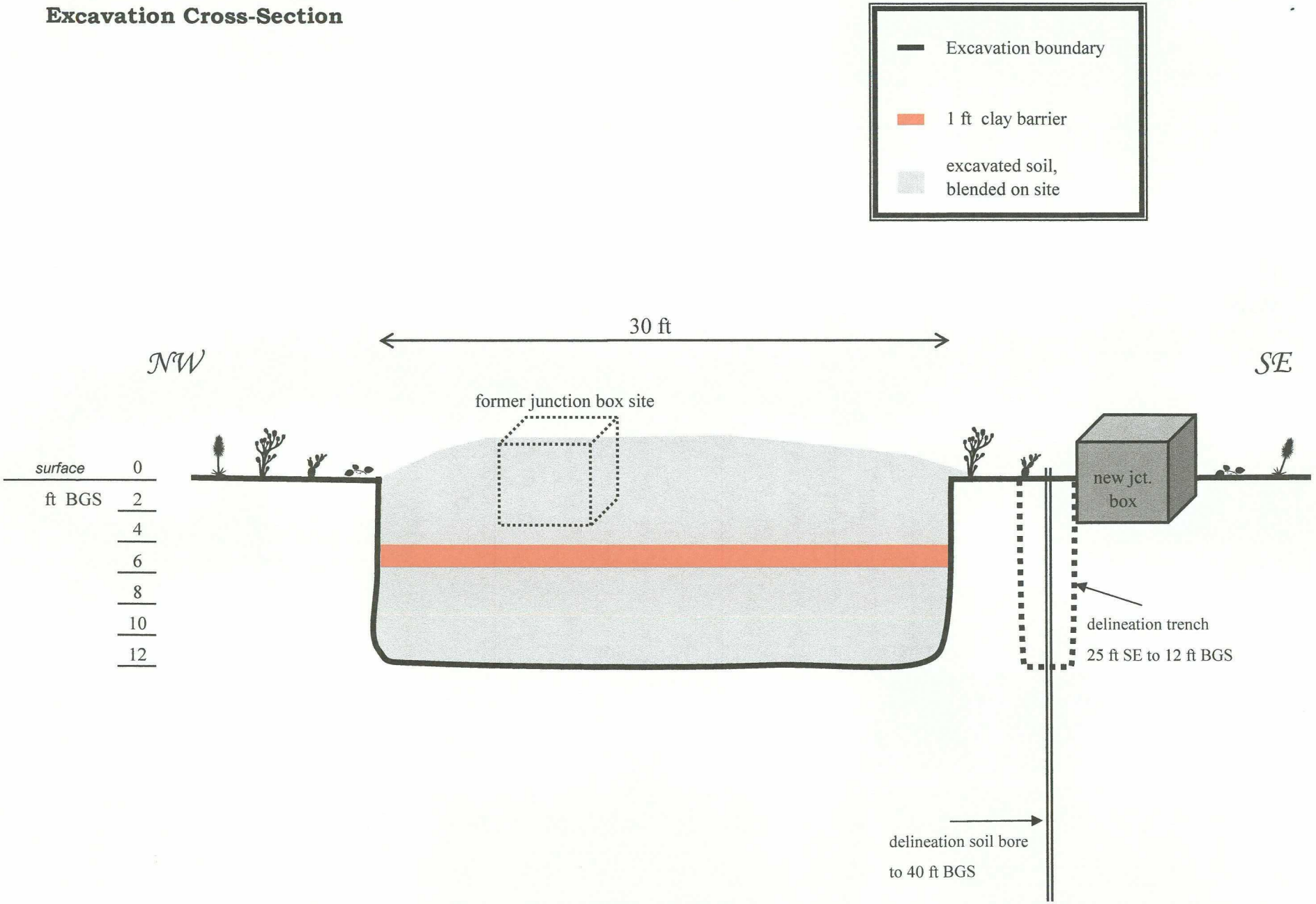
I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature Israel Alvarez Date 5/5/05

BD jct. D-15

30 x 20 x 12-ft-deep

Excavation Cross-Section



ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD D-15

Project Number: None Given

Location: None Given

Lab Order Number: 6D14013

Report Date: 04/21/06

Rice Operating Co.	Project: BD D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/21/06 12:03

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1@ 40' bgs (6D14013-01) Soil									
Chloride	**96.8**	5.00	mg/kg	10	ED62005	04/18/06	04/18/06	EPA 300.0	
% Moisture	**4.2**	0.1	%	1	ED61704	04/14/06	04/17/06	% calculation	

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

Rice Operating Co.	Project: BD D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/21/06 12:03

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B1@ 40' bgs (6D14013-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED61426	04/14/06	04/18/06	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		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: BD D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/21/06 12:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1@ 40' bgs	6D14013-01	Soil	04/13/06 09:39	04/14/06 10:15

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 ED61704 - General Preparation (Prep)										
Blank (ED61704-BLK1)				Prepared: 04/14/06 Analyzed: 04/17/06						
% Solids	100		%							
Duplicate (ED61704-DUP1)	**Source: 6D13017-01**			Prepared: 04/14/06 Analyzed: 04/17/06						
% Solids	96.1		%		92.4			3.93	20	
Duplicate (ED61704-DUP2)	**Source: 6D14008-03**			Prepared: 04/14/06 Analyzed: 04/17/06						
% Solids	95.6		%		95.7			0.105	20	
Batch ED62005 - Water Extraction										
Blank (ED62005-BLK1)				Prepared & Analyzed: 04/18/06						
Chloride	ND	0.500	mg/kg							
LCS (ED62005-BS1)				Prepared & Analyzed: 04/18/06						
Chloride	9.08		mg/L	10.0		90.8	80-120			
Calibration Check (ED62005-CCV1)				Prepared & Analyzed: 04/18/06						
Chloride	8.90		mg/L	10.0		89.0	80-120			
Duplicate (ED62005-DUP1)	**Source: 6D14016-01**			Prepared & Analyzed: 04/18/06						
Chloride	1960	25.0	mg/kg		1930			1.54	20	

Rice Operating Co.	Project: BD D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/21/06 12:03

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 ED61426 - Solvent Extraction (GC)										
Matrix Spike Dup (ED61426-MSD1)	**Source: 6D14014-01**			Prepared: 04/14/06 Analyzed: 04/18/06						
Carbon Ranges C6-C12	529	10.0	mg/kg dry	526	ND	101	75-125	2.61	20	
Carbon Ranges C12-C28	522	10.0	"	526	ND	99.2	75-125	2.27	20	
Total Hydrocarbon C6-C35	1050	10.0	"	1050	ND	100	75-125	2.82	20	
Surrogate: 1-Chlorooctane	*61.5*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.8*		*"*	*50.0*		*99.6*	*70-130*			

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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 ED61426 - Solvent Extraction (GC)										
Blank (ED61426-BLK1)				Prepared: 04/14/06 Analyzed: 04/18/06						
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	*51.6*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.4*		*"*	*50.0*		*96.8*	*70-130*			
LCS (ED61426-BS1)				Prepared: 04/14/06 Analyzed: 04/18/06						
Carbon Ranges C6-C12	472	10.0	mg/kg wet	500		94.4	75-125			
Carbon Ranges C12-C28	466	10.0	"	500		93.2	75-125			
Total Hydrocarbon C6-C35	938	10.0	"	1000		93.8	75-125			
Surrogate: 1-Chlorooctane	*51.8*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.2*		*"*	*50.0*		*86.4*	*70-130*			
Calibration Check (ED61426-CCV1)				Prepared: 04/14/06 Analyzed: 04/18/06						
Carbon Ranges C6-C12	295		mg/kg	250		118	80-120			
Carbon Ranges C12-C28	291		"	250		116	80-120			
Total Hydrocarbon C6-C35	586		"	500		117	80-120			
Surrogate: 1-Chlorooctane	*53.5*		*"*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.4*		*"*	*50.0*		*88.8*	*70-130*			
Matrix Spike (ED61426-MS1)	**Source: 6D14014-01**			Prepared: 04/14/06 Analyzed: 04/18/06						
Carbon Ranges C6-C12	543	10.0	mg/kg dry	526	ND	103	75-125			
Carbon Ranges C12-C28	534	10.0	"	526	ND	102	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1050	ND	103	75-125			
Surrogate: 1-Chlorooctane	*62.8*		*mg/kg*	*50.0*		*126*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.3*		*"*	*50.0*		*101*	*70-130*			

Rice Operating Co.	Project: BD D-15	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/21/06 12:03

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: 4/21/2006

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.

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

ent: Rice OP.

te/Time: 4/14/06 10:15

der #: 6D140/3

tials: CK

Sample Receipt Checklist

nperature of container/cooler?	Yes	No	1.5 C
pping container/cooler in good condition?	Yes	No	
stody Seals intact on shipping container/cooler?	Yes	No	Not present
stody Seals intact on sample bottles?	Yes	No	Not present
ain of custody present?	Yes	No	
mple Instructions complete on Chain of Custody?	Yes	No	
ain of Custody signed when relinquished and received?	Yes	No	
ain of custody agrees with sample label(s)	Yes	No	*
ntainer labels legible and intact?	Yes	No	
mple Matrix and properties same as on chain of custody?	Yes	No	
mples in proper container/bottle?	Yes	No	
mples properly preserved?	Yes	No	
mple bottles intact?	Yes	No	
servations documented on Chain of Custody?	Yes	No	
ntainers documented on Chain of Custody?	Yes	No	
fficient sample amount for indicated test?	Yes	No	
samples received within sufficient hold time?	Yes	No	
C samples have zero headspace?	Yes	No	Not Applicable

her observations:

* sample time on COC 1603 Label 0939

Variance Documentation:

ntact Person: Melanie Franks Date/Time: 04-17-06 Contacted by: Jessica McMurrey

garding:

Sample time

rrective Action Taken:

Client wants to reference time on jar as per attached e-mail

Environmental Lab of Texas, Inc.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: BD D-15
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: TOTAL: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1005	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)
32953	B1@40' Bgs	4/13/00	4:03	1	X									X		X			X					
			0939																					

Special Instructions:

Sample Containers Intact: Y
Temperature Upon Receipt: 15
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Melanie Franks	4/13/00	4:03		4/13	18:00
	4/14	1015	Received by ELOT:	4/14/00	1015

Jeanne McMurrey

From: "Melanie Franks" <mfranks@riceswd.com>
To: "'Jeanne McMurrey"' <jeanne@elabtexas.com>
Cc: <kpope@riceswd.com>
Sent: Monday, April 17, 2006 7:55 AM
Subject: RE: BD D-15 sample

Jeanne,
Please use the sample time on the jar I put that time on there when I got the sample.
Thank you,

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

From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Friday, April 14, 2006 1:03 PM
To: M. Franks; Kristin Farris Pope
Subject: Re: BD D-15 sample

Hello Kristin & Melanie,
We received your samples for BD D-15. There was a discrepancy on the sampling time. The COC lists 1603 but the label lists 0939. Which sample time would you like to reference? Please reply to this e-mail to let me know.
Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

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

25' SE of Source

Soil Bore

System: BD Location: D-15 GW: Landowner: Warren Hughes

Soil Bore: B1 GPS Coord. System UTM

UL/D Sec.15 T22S R37E Nad 27 Lat. & Long. 32*23.810 103*09.499

Depth	Cl.		PID		Color	Time
20'	1357		0		Grayish orange fine Caliche Sand	
25'	1097		0		Mod. Orange fine Caliche Sand	
30'	327		0		Mod. Red brown fine Sand	
35'	271		0		Mod. Med. Reddish brown sand	
40'	202		0		Mod. Reddish brown med. Sand	

Notes: 5-6' North East of New Box. 40' sample to lab for lab confirmation.

Signature Dennis Frank Date 4/13/04

HARRISON & COOPER, INC.

Drilling & Pump Professionals

7414 85th Street, Lubbock, Texas 79424-4951

P.O. Box 96, Wolfforth, Texas 79382-0096

Ph: (806) 866-4026 Fax: (806) 866-4044 Email: harrisoncooperinc@msn.com

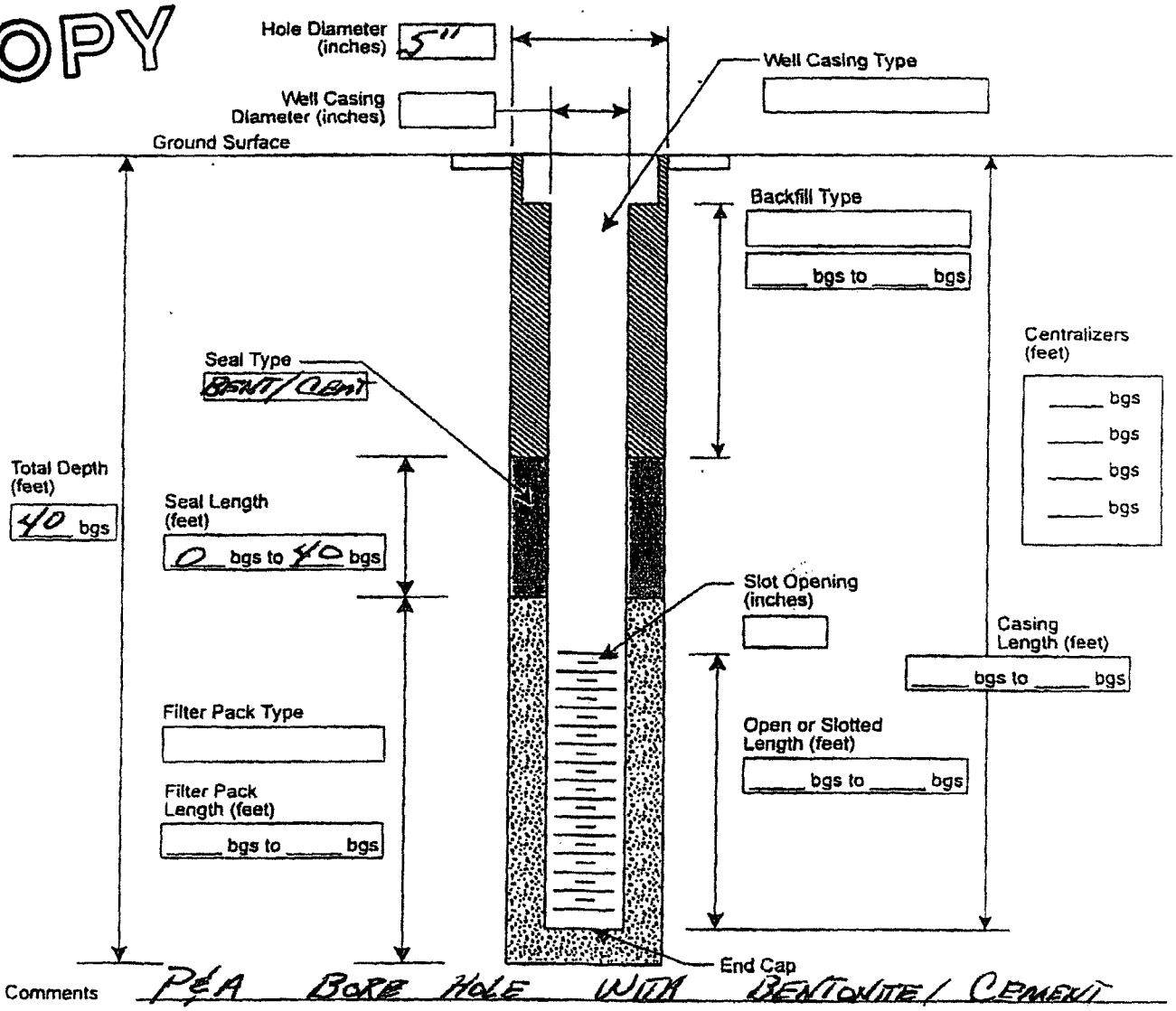
Client RICE Project No.

Well No. BORE # 1 Site BD JCT D-15 Date Installed 4-18-06

Formation of Completion

Personnel SAM MARTINEZ Driller KEN COOPER

COPY



Comments P&A BORE HOLE WITH BENTONITE/CEMENT

Regulated by: Texas Dept. of Licensing & Regulation, Water Well Division, P.O. Box 12157, Austin, TX 78711, (800) 803-9202

BD jct. D-15

unit 'D', Sec. 15, T22S, R37E

25 ft SOUTHEAST of junction

	depth bgs (ft)	[Cl⁻] ppm
soil boring samples	11	2159
	12	2571
	20	1357
	25	1097
	30	327
	35	271
	40*	96.8

*laboratory analysis

Groundwater = 85 ft