1R - 423-08

REPORTS

DATE:

5-12-2005

Justis D-1 Vent

IR 423-08

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
Justis	D-1	D	1	26S	37E	Lea	moved 46 ft North		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER George Willis OTHER _____

Depth to Groundwater 184 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11/29/2004 Date Completed 4/12/2006 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 12/7/2004, 4/12/2006 **Sample Depth** 12, 97 ft

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0181	0.181	1.59	4.023	209	608	1280
BOTTOM COMP.	0.0435	0.74	4.62	12.82	511	1620	2700
REMED. BACKFILL	PID = 59.3 ppm				80.6	411	1150
SOIL BORE 97 ft	PID = 0.0 ppm				<10.0	<10.0	166

General Description of Remedial Action:

This junction contained a vent and was moved 46 ft north where a new watertight junction box was built to replace it. The former junction location was delineated using a backhoe with PID readings and chloride field tests performed on soil samples at regular intervals. Soil samples exhibited odors and staining indicative of the presence of hydrocarbons but within NMOCD guideline concentrations. Chloride concentrations were elevated within the 20 x 30 x 12-ft-deep excavation. The excavated soil was blended on site and the backfilled in the excavation to 7 ft BGS were a 1-ft-thick compacted clay barrier was installed to inhibit the downward migration of remaining chloride. The remaining spoils were backfilled on top of the clay and contoured to the surface. An identification plate was placed on the surface to mark the presence of the clay below. On 4/12/2006, a soil boring was initiated to further investigate the depth of chloride presence. The bore was advanced to a depth of 97 ft where a conclusive trend of decline was observed, indicative of non-saturated historical vadose conditions. The bore hole was plugged with bentonite to the surface. The disturbed surface was seeded with a blend of native vegetation on 9/21/2006 and is expected to return to productive capacity at a normal rate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	1132
bottom comp.	12	1900
remed. comp.	n/a	854
soil bore	65	2523
	70	2144
	75	1855
	80	1167
	90	418
	95	263
	96	232
	97	177

enclosures: chloride graph, photos, lab results (2), BTEX table, clay test, excavation diagram, cross-section, soil bore log

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

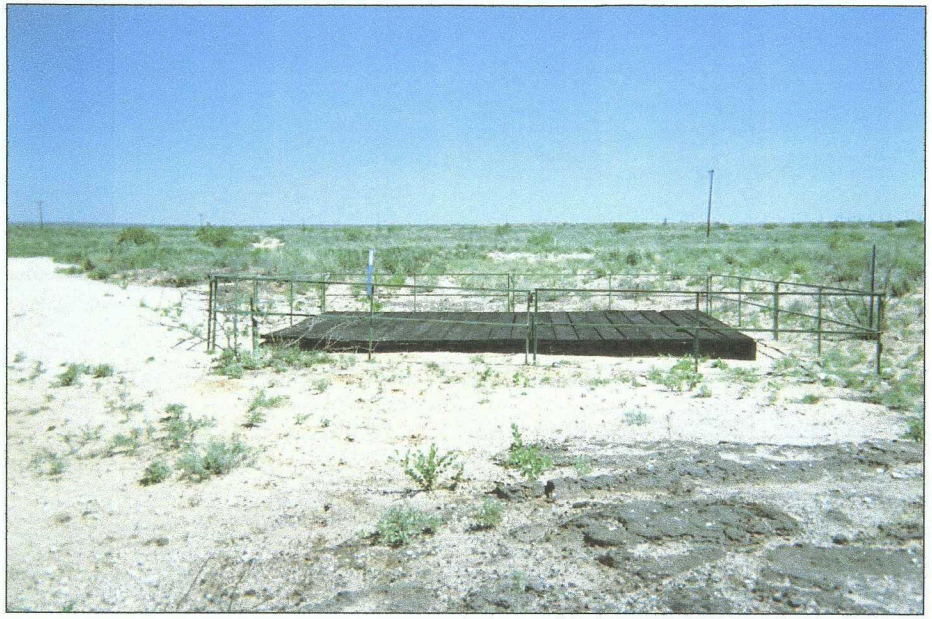
SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 5/12/2005 TITLE Project Scientist

Justis D-1 vent

T26S, R37E



undisturbed junction box 8/2/2004

delineation and excavation Dec. 2004

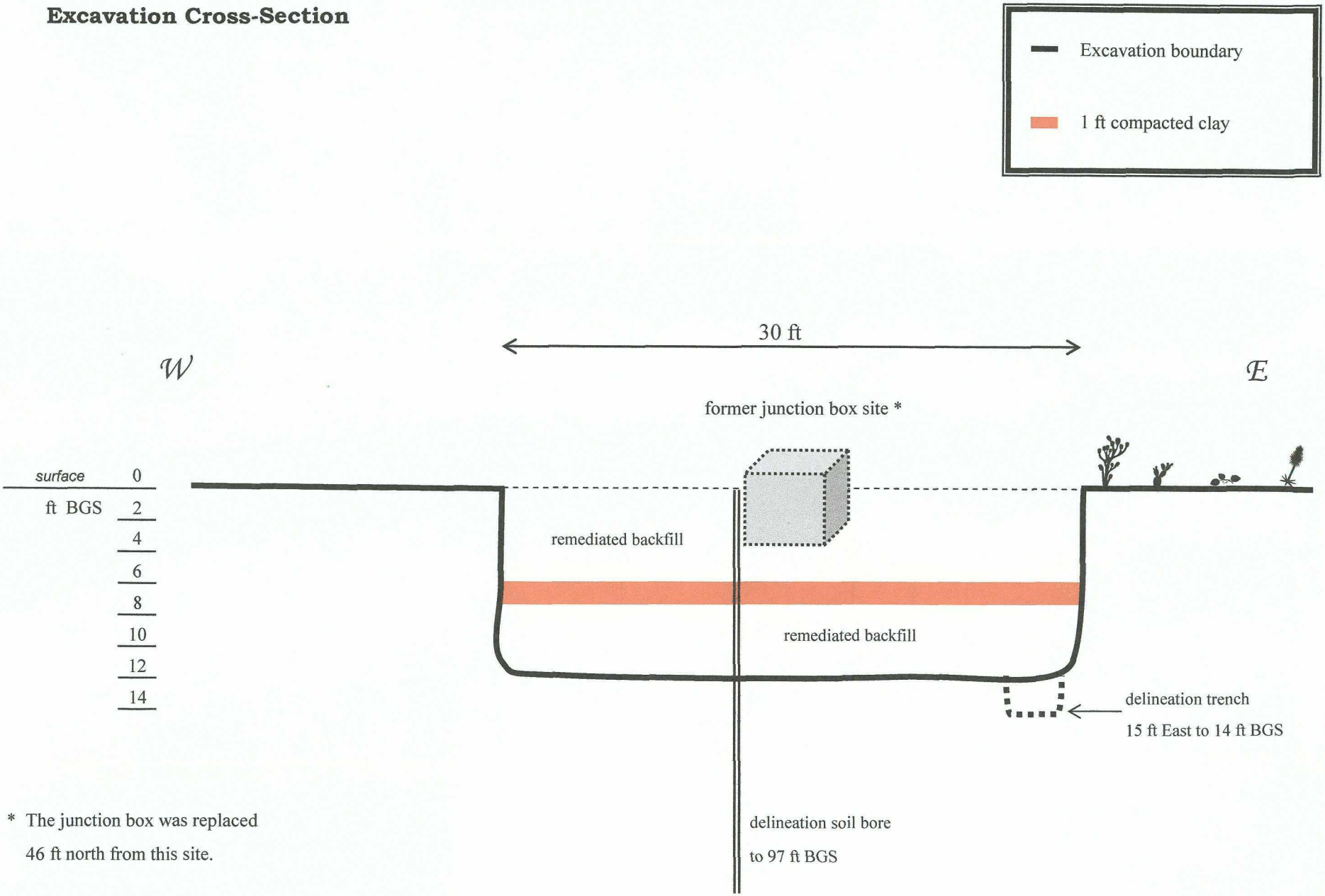
installing clay at 7 ft BGS in 20 x 30 ft excavation 4/6/2005

soil bore at former junction box site 4/12/2006

Justis D-1 vent

30 x 20 x 12-ft-deep

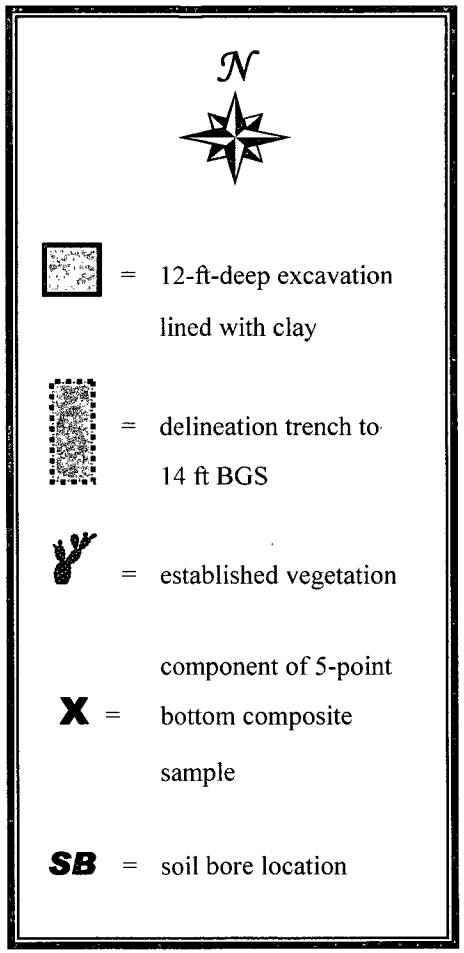
Excavation Cross-Section

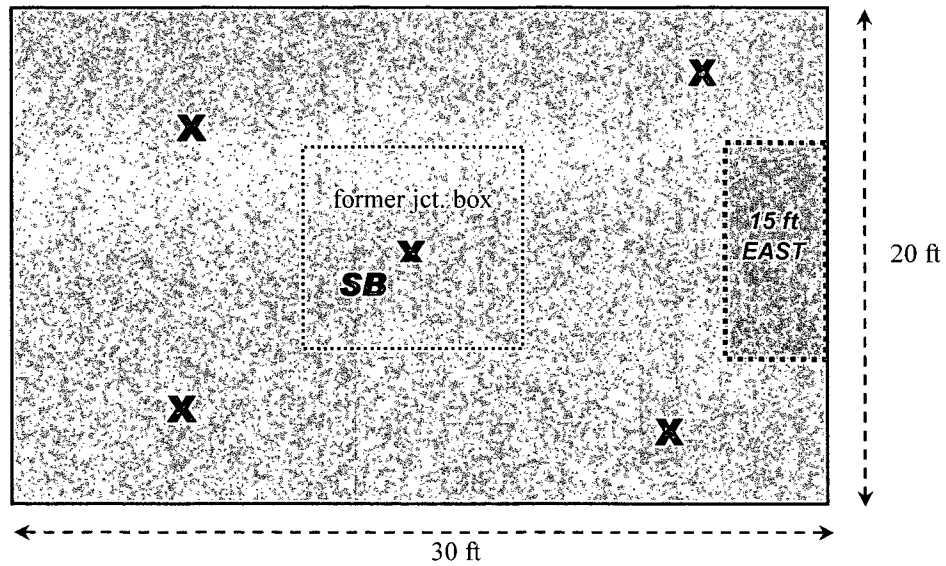


* The junction box was replaced 46 ft north from this site.

Justis D-1 vent

30 x 20 x 12 ft Excavation Plan View





Soil Bore

COG

System: Justis Location: Vent D-1 GW:184' Landowner: George Willis

Soil Bore: B1 GPS Coord. System UTM

UL/ D Sec. 1 T26S R 37E Nad 27 Lat. & Long. 32*04.711 103*07.410

Depth	Cl.		PID		Color	Time
20'	2249		0.4		Pale yellowish brown med-fine Sand w/Caliche	11:45
25'	2642		0.2		Light brown Sandy caliche	11:54
30'	2121		1.7		Grayish orange fine sand	12:01
35'	1594		0		Pale yellowish brown grayish orange fine sand w/little caliche	12:02
40'	2404		0		Grayish orange fine sand	12:03
45'	2735		0		Grayish orange Coarse sand w/caliche	12:17
50'	2692		0		light redish brown fine sand	12:20
55'	3490		0		Med sand pale yellowish brown	12:23
60'	1952		0		fine-med sand grayish orange	12:26
65'	2523		0		Coarse med sand grayish orange brown	12:30
70'	2144		0		Grayish orange fine sand little caliche	12:33
75'	1855		0		Light brown Med. Sand	12:36
80'	1167		0		Mod. Redish brown med-coarse Sand w/ large Gravel	12:39
90'	418		0		Mod. Redish Brown med sand w/ Caliche	2:34
95'	263		0		Fine sand Mod. Redish orange	2:36
96'	232		0		Mod. Redish orange med.-fine sand	2:39
97'	177		0		Sent to the Lab	2:43

Notes: Hit large gravel at 80' had to inject water to break thru rock. 85' was still wet from injecting water next dry sample was caught at 90'. Sent 97' bgs to the lab for lab confirmation.

Signature Melanie Franke Date 4/12/04

HARRISON & COOPER, INC.

Drilling & Pump Professionals

7414 85th Street, Lubbock, Texas 79424-4951

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

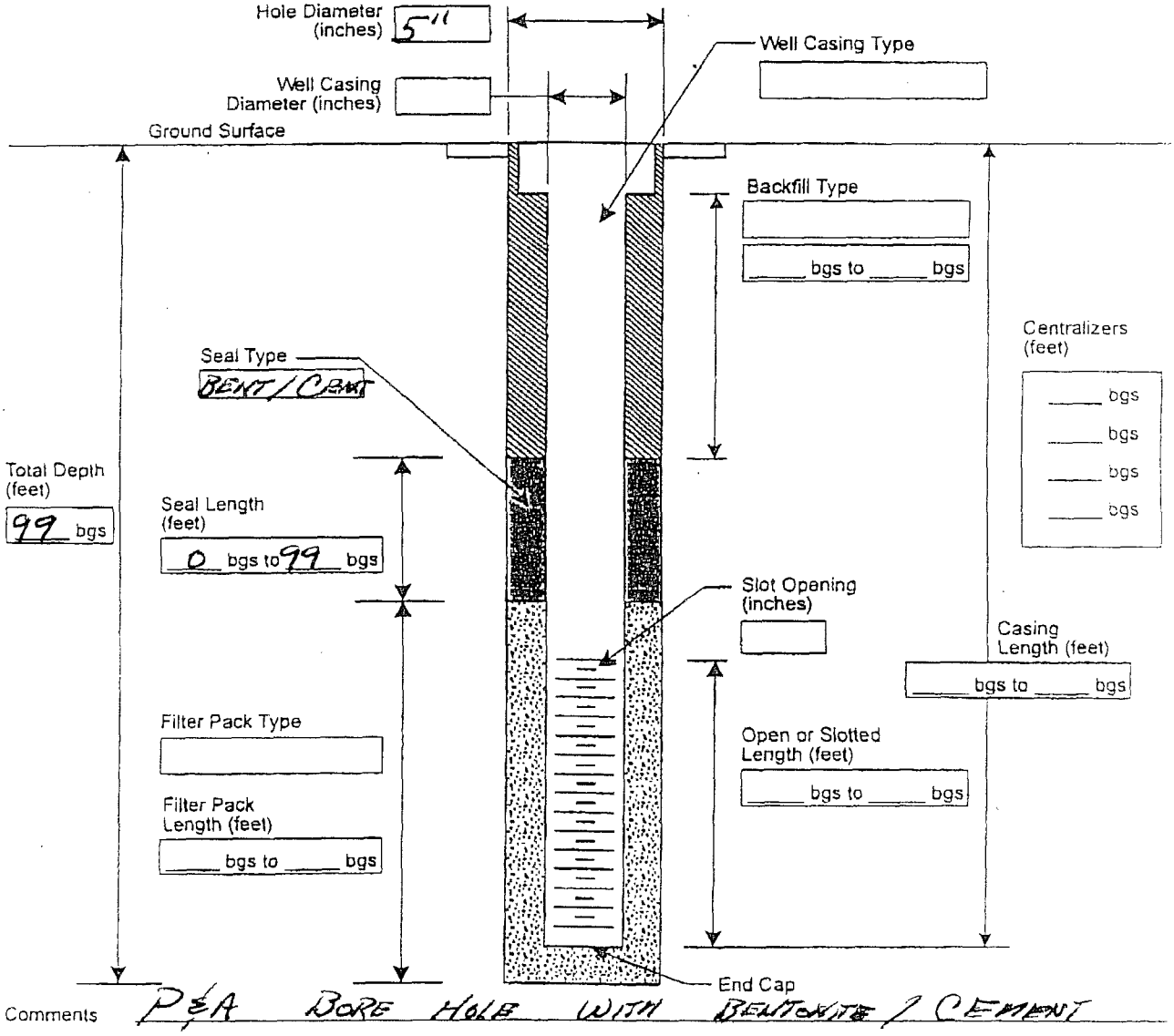
Ph: (806) 866-4026 Fax: (806) 866-4044 Email: harrisoncooperinc@msn.com

Client RICE Project No.

Well No. BORE # 1 Site VENT D-1 Date Installed 4-12-06

Formation of Completion

Personnel SAM MARTINEZ Driller KEN COOPER



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

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: 05-2992 GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

FILL DATE: 11/01/05 EXP. DATE: 5/01/07

ACCURACY: +/- 2% METER READING ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Justis	Vent D-1	D	1	26S	37E

SAMPLE	PID RESULTS	SAMPLE	PID RESULTS
20' bgs	0.4	97' bgs	0.0
25' bgs	0.2		
30' bgs	1.7		
35' bgs	0		
40' bgs	0		
45' bgs	0		
50' bgs	0		
55' bgs			
60' bgs			
65' bgs			
70' bgs			
75' bgs			
80' bgs			
90' bgs			
95' bgs			
96' bgs			

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

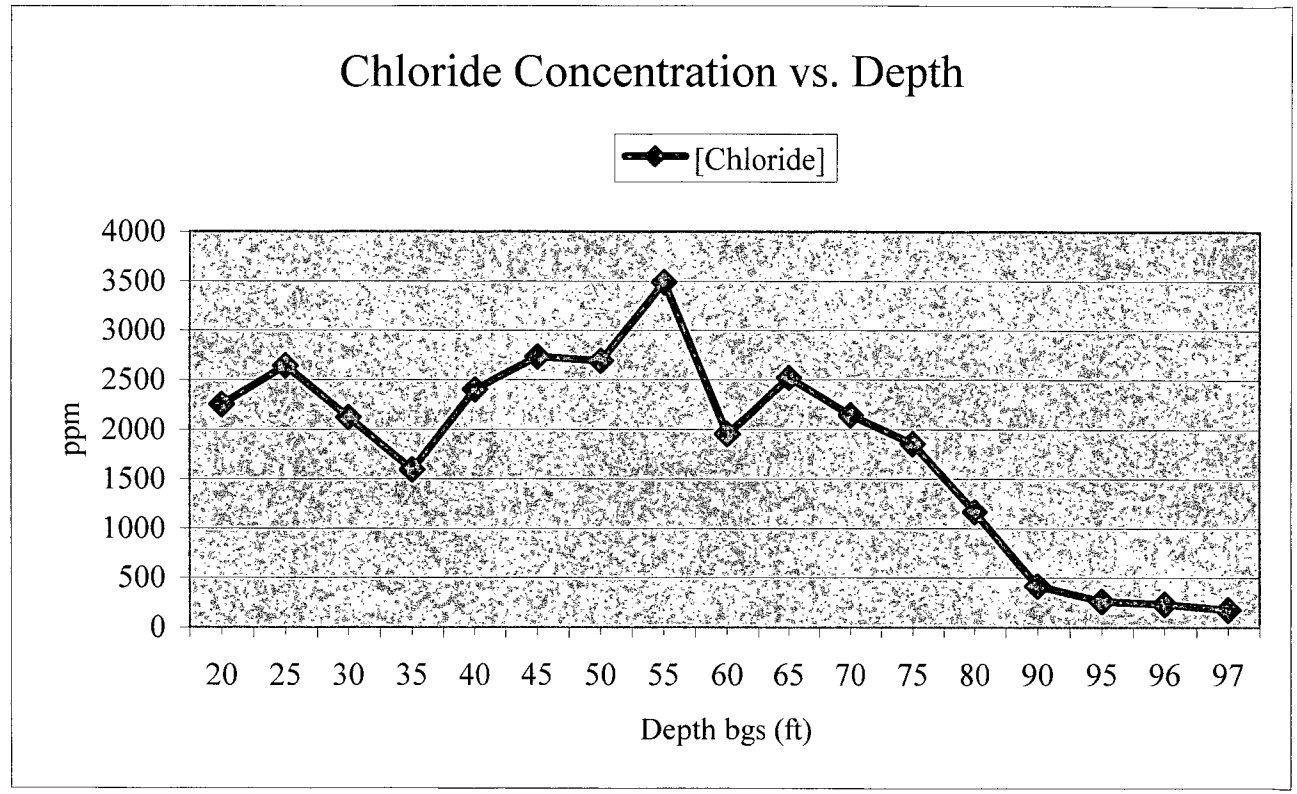
SIGNATURE: Melanie Franks DATE: 4/12/06

Justis D-1 vent

T26S, R37E

4/12/2006
SOIL BORE at junction

Depth bgs (ft)	[Cl⁻] ppm
20	2249
25	2642
30	2121
35	1594
40	2404
45	2735
50	2692
55	3490
60	1952
65	2523
70	2144
75	1855
80	1167
90	418
95	263
96	232
97	177



Groundwater = 184 ft

ENVIRONMENTAL LAB OF

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: Justis Vent D-1
Project Number: None Given
Location: None Given

Lab Order Number: 4L09004

Report Date: 12/13/04

Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/13/04 16:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Lab Composite	4L09004-01	Soil	12/07/04 09:11	12/09/04 07:30
Bottom Field Composite 12'	4L09004-02	Soil	12/07/04 10:00	12/09/04 07:30
4 Wall Field Composite	4L09004-03	Soil	12/07/04 10:30	12/09/04 07:30
Remed. Backfill	4L09004-04	Soil	12/07/04 10:45	12/09/04 07:30
Four Wall Lab Composite	4L09004-05	Soil	12/07/04 09:55	12/09/04 07:30

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
Bottom Lab Composite (4L09004-01) Soil									
Benzene	**0.0942**	0.0250	mg/kg dry	25	EL41316	12/09/04	12/09/04	EPA 8021B	
Toluene	**1.47**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**7.24**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**14.2**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.36**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*238 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*128 %*	*80-120*		"	"	"	"	*S-04*
Bottom Field Composite 12' (4L09004-02) Soil									
Benzene	**0.0435**	0.0250	mg/kg dry	25	EL41316	12/09/04	12/09/04	EPA 8021B	
Toluene	**0.740**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**4.62**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**9.76**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.06**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*183 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*121 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**511**	10.0	mg/kg dry	1	EL40912	12/09/04	12/09/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1620**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2130**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
4 Wall Field Composite (4L09004-03) Soil									
Benzene	**J [0.0181]**	0.0250	mg/kg dry	25	EL41316	12/09/04	12/09/04	EPA 8021B	J
Toluene	**0.181**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.59**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.51**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.513**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*138 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**209**	10.0	mg/kg dry	1	EL40912	12/09/04	12/09/04	EPA 8015M	
Diesel Range Organics >C12-C35	**608**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**817**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	

Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	12/13/04 16:28

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remed. Backfill (4L09004-04) Soil									
Gasoline Range Organics C6-C12	**80.6**	10.0	mg/kg dry	1	EL40912	12/09/04	12/09/04	EPA 8015M	
Diesel Range Organics >C12-C35	**411**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**492**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	
Four Wall Lab Composite (4L09004-05) Soil									
Benzene	**ND**	0.0250	mg/kg dry	25	EL41316	12/09/04	12/09/04	EPA 8021B	
Toluene	**0.0981**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.579**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.34**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.215**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	12/13/04 16:28

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Lab Composite (4L09004-01) Soil									
% Moisture	**14.0**		%	1	EL41003	12/09/04	12/10/04	% calculation	
Bottom Field Composite 12' (4L09004-02) Soil									
Chloride	**2700**	20.0	mg/kg Wet	2	EL41001	12/09/04	12/10/04	SW 846 9253	
% Moisture	**16.0**		%	1	EL41003	12/09/04	12/10/04	% calculation	
4 Wall Field Composite (4L09004-03) Soil									
Chloride	**1280**	20.0	mg/kg Wet	2	EL41001	12/09/04	12/10/04	SW 846 9253	
% Moisture	**10.0**		%	1	EL41003	12/09/04	12/10/04	% calculation	
Remed. Backfill (4L09004-04) Soil									
Chloride	**1150**	20.0	mg/kg Wet	2	EL41001	12/09/04	12/10/04	SW 846 9253	
% Moisture	**9.0**		%	1	EL41003	12/09/04	12/10/04	% calculation	
Four Wall Lab Composite (4L09004-05) Soil									
% Moisture	**10.0**		%	1	EL41003	12/09/04	12/10/04	% calculation	

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

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 EL40912 - Solvent Extraction (GC)										
Blank (EL40912-BLK1)				Prepared & Analyzed: 12/09/04						
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	*38.1*		*mg/kg*	*50.0*		*76.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.7*		*"*	*50.0*		*83.4*	*70-130*			
Blank (EL40912-BLK2)				Prepared: 12/09/04 Analyzed: 12/10/04						
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	*47.9*		*mg/kg*	*50.0*		*95.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.7*		*"*	*50.0*		*93.4*	*70-130*			
LCS (EL40912-BS1)				Prepared & Analyzed: 12/09/04						
Gasoline Range Organics C6-C12	454	10.0	mg/kg wet	500		90.8	75-125			
Diesel Range Organics >C12-C35	475	10.0	"	500		95.0	75-125			
Total Hydrocarbon C6-C35	929	10.0	"	1000		92.9	75-125			
Surrogate: 1-Chlorooctane	*48.5*		*mg/kg*	*50.0*		*97.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
LCS (EL40912-BS2)				Prepared & Analyzed: 12/09/04						
Gasoline Range Organics C6-C12	466	10.0	mg/kg wet	500		93.2	75-125			
Diesel Range Organics >C12-C35	496	10.0	"	500		99.2	75-125			
Total Hydrocarbon C6-C35	962	10.0	"	1000		96.2	75-125			
Surrogate: 1-Chlorooctane	*46.7*		*mg/kg*	*50.0*		*93.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.7*		*"*	*50.0*		*91.4*	*70-130*			
Calibration Check (EL40912-CCV1)				Prepared & Analyzed: 12/09/04						
Gasoline Range Organics C6-C12	526		mg/kg	500		105	80-120			
Diesel Range Organics >C12-C35	537		"	500		107	80-120			
Total Hydrocarbon C6-C35	1060		"	1000		106	80-120			
Surrogate: 1-Chlorooctane	*57.3*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.4*		*"*	*50.0*		*129*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40912 - Solvent Extraction (GC)										
Calibration Check (EL40912-CCV2)				Prepared & Analyzed: 12/09/04						
Gasoline Range Organics C6-C12	539		mg/kg	500		108	80-120			
Diesel Range Organics >C12-C35	563		"	500		113	80-120			
Total Hydrocarbon C6-C35	1100		"	1000		110	80-120			
Surrogate: 1-Chlorooctane	*60.4*		*"*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.6*		*"*	*50.0*		*127*	*70-130*			
Matrix Spike (EL40912-MS1)	**Source: 4L09007-03**			Prepared: 12/09/04		Analyzed: 12/10/04				
Gasoline Range Organics C6-C12	591	10.0	mg/kg dry	610	ND	96.9	75-125			
Diesel Range Organics >C12-C35	645	10.0	"	610	ND	106	75-125			
Total Hydrocarbon C6-C35	1240	10.0	"	1220	ND	102	75-125			
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.5*		*"*	*50.0*		*111*	*70-130*			
Matrix Spike (EL40912-MS2)	**Source: 4L09008-01**			Prepared: 12/09/04		Analyzed: 12/10/04				
Gasoline Range Organics C6-C12	609	10.0	mg/kg dry	568	ND	107	75-125			
Diesel Range Organics >C12-C35	626	10.0	"	568	ND	110	75-125			
Total Hydrocarbon C6-C35	1230	10.0	"	1140	ND	108	75-125			
Surrogate: 1-Chlorooctane	*55.6*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.9*		*"*	*50.0*		*102*	*70-130*			
Matrix Spike Dup (EL40912-MSD1)	**Source: 4L09007-03**			Prepared: 12/09/04		Analyzed: 12/10/04				
Gasoline Range Organics C6-C12	616	10.0	mg/kg dry	610	ND	101	75-125	4.14	20	
Diesel Range Organics >C12-C35	653	10.0	"	610	ND	107	75-125	1.23	20	
Total Hydrocarbon C6-C35	1270	10.0	"	1220	ND	104	75-125	2.39	20	
Surrogate: 1-Chlorooctane	*53.0*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.5*		*"*	*50.0*		*97.0*	*70-130*			
Matrix Spike Dup (EL40912-MSD2)	**Source: 4L09008-01**			Prepared: 12/09/04		Analyzed: 12/10/04				
Gasoline Range Organics C6-C12	616	10.0	mg/kg dry	568	ND	108	75-125	1.14	20	
Diesel Range Organics >C12-C35	640	10.0	"	568	ND	113	75-125	2.21	20	
Total Hydrocarbon C6-C35	1260	10.0	"	1140	ND	111	75-125	2.41	20	
Surrogate: 1-Chlorooctane	*56.7*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.6*		*"*	*50.0*		*101*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL41316 - EPA 5030C (GC)										
Blank (EL41316-BLK1)			Prepared & Analyzed: 12/09/04							
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*101*		*ug/kg*	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*97.3*		*"*	*100*		*97.3*	*80-120*			
LCS (EL41316-BS1)			Prepared & Analyzed: 12/09/04							
Benzene	85.9		ug/kg	100		85.9	80-120			
Toluene	87.7		"	100		87.7	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	231		"	200		116	80-120			
Xylene (o)	117		"	100		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*116*		*"*	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*119*		*"*	*100*		*119*	*80-120*			
Calibration Check (EL41316-CCV1)			Prepared: 12/09/04 Analyzed: 12/10/04							
Benzene	101		ug/kg	100		101	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	100		"	100		100	80-120			
Xylene (p/m)	222		"	200		111	80-120			
Xylene (o)	109		"	100		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*112*		*"*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*110*		*"*	*100*		*110*	*80-120*			
Matrix Spike (EL41316-MS1)	**Source: 4L09007-04**		Prepared: 12/09/04 Analyzed: 12/13/04							
Benzene	87.4		ug/kg	100	ND	87.4	80-120			
Toluene	85.0		"	100	ND	85.0	80-120			
Ethylbenzene	93.9		"	100	ND	93.9	80-120			
Xylene (p/m)	212		"	200	ND	106	80-120			
Xylene (o)	106		"	100	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*112*		*"*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*80-120*			

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 EL41316 - EPA 5030C (GC)										
Matrix Spike Dup (EL41316-MSD1)	**Source: 4L09007-04**			Prepared: 12/09/04		Analyzed: 12/13/04				
Benzene	92.2		ug/kg	100	ND	92.2	80-120	5.35	20	
Toluene	96.6		"	100	ND	96.6	80-120	12.8	20	
Ethylbenzene	107		"	100	ND	107	80-120	13.0	20	
Xylene (p/m)	239		"	200	ND	120	80-120	12.4	20	
Xylene (o)	117		"	100	ND	117	80-120	9.87	20	
Surrogate: a,a,a-Trifluorotoluene	*117*		"	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*108*		"	*100*		*108*	*80-120*			

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 EL41001 - Water Extraction										
Blank (EL41001-BLK1)				Prepared: 12/09/04 Analyzed: 12/10/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EL41001-MS1)		Source: 4L09004-02		Prepared: 12/09/04 Analyzed: 12/10/04						
Chloride	3200	20.0	mg/kg Wet	500	2700	100	80-120			
Matrix Spike Dup (EL41001-MSD1)		Source: 4L09004-02		Prepared: 12/09/04 Analyzed: 12/10/04						
Chloride	3200	20.0	mg/kg Wet	500	2700	100	80-120	0.00	20	
Reference (EL41001-SRM1)				Prepared: 12/09/04 Analyzed: 12/10/04						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EL41003 - General Preparation (Prep)										
Blank (EL41003-BLK1)				Prepared: 12/09/04 Analyzed: 12/10/04						
% Moisture	0.0		%							
Duplicate (EL41003-DUP1)		Source: 4L09002-01		Prepared: 12/09/04 Analyzed: 12/10/04						
% Moisture	4.0		%		4.0			0.00	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: Raland K Tuttle Date: 12-13-04

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.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: [signature]

Project Name: Justis Vent D-1
Project #: ——
Project Loc:
PO #:

Analyze For: TCLP: / TOTAL: X (BTEX)

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (4 oz glass)	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TDS/(Cl)/~~SAR/EC~~	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
410901	Bottom #1 at 12'	12/7/04	911	1	X									X									X		
1 (Bottom 1–5, Lab Comp)	Bottom #2 at 12'		909	1	X									X											
	Bottom #3 at 12'		903	1	X									X											
	Bottom #4 at 12'		901	1	X									X											
	Bottom #5 at 12'		905	1	X									X											
2	Bottom Field Comp 12'		1000	1	X									X		X			X				X		
3	4 WALL Field Comp		1030	1	X									X		X			X				X		
4	REMD. BACKFill		1045	1	X									X		X			X						
5	Four Wall Lab Comp.	12-07-04	0955	1	X									X									X		

Special Instructions: Composite Bottom 1-5 BTEX ONLY (Report as ("bottom LAB comp."))

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5 °C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-8-04	7:28 pm			

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Drop Box	12-09-04	0730	[signature]	12-09-04	0730

Environmental Lab of Texas, Inc.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: Joe Gatt

Project Name: Justis Vent D-1
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers 4oz glass	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	TOTAL:	RUSH TAT (Pre-Schedule)	Standard TAT
	N. WALL #1	12/7/04	925	1										X												
	N. WALL #2		927	1										X												
	N. WALL #3		929	1										X												
	N. WALL #4		931	1										X												
	N. WALL #5		933	1										X												
	S. WALL #1	12/7/04	937	1										X												
	S. WALL #2		939	1										X												
	S. WALL #3		941	1										X												
	S. WALL #4		943	1										X												
	S. WALL #5		945	1										X												

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 2.5 °C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Gatt	12/8/04	5:00			
Relinquished by:	Date	Time	Received by ELOT: Received From DaxFax	Date	Time
	12-8-04	7:28	Jeanne Mckinney	12/09/04	07:30

Pg 3 of 3

Environmental Lab of Texas, Inc.

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Odessa, Texas 79763
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Joe Gatt

Project Name: Justis D-1 Vent
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers 4 oz glass	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
	N. WALL #1	12/7/04	947	1	X									X											
	#2		949	1	X									X											
	#3		951	1	X									X											
	#4		953	1	X									X											
	#5		955	1	X									X											
	E. WALL #1	12/7/04	923	1	X									X											
	#2		921	1	X									X											
	#3		919	1	X									X											
	#4		917	1	X									X											
	#5		915	1	X									X											

Analyze For: TCLP: / TOTAL:

Special Instructions: Composite N, S, E, W 1-5 (20) in LAB. Report as 4-wall LAB comp. Run BTEX only

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 0.5 C

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Gatt	12/8/04	5:00p			
Relinquished by: [signature]	12-8-04	7:26p	Received by ELOT: Received From Drop Box [signature]	12-09-04	0730

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

Client: Rice Operating

Date/Time: 12-09-04@0730

Order #: 4L09004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 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:

_____

_____

_____

_____

_____

_____

_____

_____

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	**Material:**	Red Clay
Project:	Justis Vent D-1	**Test Method:**	ASTM: D 2922
Date of Test:	April 6, 2005	**Depth:**	Finished Subgrade

RECEIVED
APR 9 2005
RICE OPERATING
HOBBS, NM

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-2	Pit - 12' E. & 12' S. of the NW Corner	100.9	16.8	

COPY

Control Density: 104.6
ASTM: D 698

Optimum Moisture: 21.7

Required Compaction: 95%

Lab No.: 05 3435-3436

Copies To: Rice ✓

PETTIGREW & ASSOCIATES

BY: S.E.T.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

COPY

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Justis Vent D-1

Project Number: None Given

Location: None Given

Lab Order Number: 6D14012

Report Date: 04/20/06

Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/20/06 11:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
97' bgs	6D14012-01	Soil	04/12/06 15:10	04/14/06 10:15

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

Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/20/06 11:29

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
97' bgs (6D14012-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED61418	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		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.6 %*	*70-130*		"	"	"	"	

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

Rice Operating Co.	Project: Justis Vent D-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/20/06 11:29

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
97' bgs (6D14012-01) Soil									
Chloride	**166**	5.00	mg/kg	10	ED62005	04/18/06	04/18/06	EPA 300.0	
% Moisture	**6.8**	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

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 ED61418 - Solvent Extraction (GC)										
Blank (ED61418-BLK1)				Prepared & Analyzed: 04/14/06						
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	*45.7*		*mg/kg*	*50.0*		*91.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		"	*50.0*		*92.6*	*70-130*			
LCS (ED61418-BS1)				Prepared & Analyzed: 04/14/06						
Carbon Ranges C6-C12	477	10.0	mg/kg wet	500		95.4	75-125			
Carbon Ranges C12-C28	491	10.0	"	500		98.2	75-125			
Total Hydrocarbon C6-C35	968	10.0	"	1000		96.8	75-125			
Surrogate: 1-Chlorooctane	*51.8*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.2*		"	*50.0*		*90.4*	*70-130*			
Calibration Check (ED61418-CCV1)				Prepared: 04/14/06 Analyzed: 04/15/06						
Carbon Ranges C6-C12	266		mg/kg	250		106	80-120			
Carbon Ranges C12-C28	294		"	250		118	80-120			
Total Hydrocarbon C6-C35	560		"	500		112	80-120			
Surrogate: 1-Chlorooctane	*45.6*		"	*50.0*		*91.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.7*		"	*50.0*		*77.4*	*70-130*			
Matrix Spike (ED61418-MS1)	**Source: 6D14012-01**			Prepared & Analyzed: 04/14/06						
Carbon Ranges C6-C12	509	10.0	mg/kg dry	536	ND	95.0	75-125			
Carbon Ranges C12-C28	510	10.0	"	536	ND	95.1	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1070	ND	95.3	75-125			
Surrogate: 1-Chlorooctane	*56.1*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.4*		"	*50.0*		*94.8*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED61418 - Solvent Extraction (GC)										
Matrix Spike Dup (ED61418-MSD1)	**Source: 6D14012-01**		Prepared & Analyzed: 04/14/06							
Carbon Ranges C6-C12	518	10.0	mg/kg dry	536	ND	96.6	75-125	1.75	20	
Carbon Ranges C12-C28	531	10.0	"	536	ND	99.1	75-125	4.03	20	
Total Hydrocarbon C6-C35	1050	10.0	"	1070	ND	98.1	75-125	2.90	20	
Surrogate: 1-Chlorooctane	*57.0*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.9*		*"*	*50.0*		*95.8*	*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 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	

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: 4-21-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas, Inc.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: 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 Franco

Project Name: EME Justis Vent D-1
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030						RUSH TAT (Pre-Schedule)
01	97' bgs	4/12/06	3:10	1	X									X		X			X										

Analyze For: TCLP: / TOTAL:

letDuoir

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Melanie Franco	4/13/06	8:10	[signature]	4/13	12:00
[signature]	4/14	10:15	Received by ELOT: Carrie Reay	4/14/06	10:15

Sample Containers Intact? Y N
Temperature Upon Receipt: 1.5
Laboratory Comments: 4oz glass

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

ient: Duke DP.

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

rder #: 6D1401Z

itials: CK

Sample Receipt Checklist

mperature of container/cooler?	Yes	No	1.5 C
ipping 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	
l samples received within sufficient hold time?	Yes	No	
OC samples have zero headspace?	Yes	No	Not Apolicable

ther observations:

_____

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Variance Documentation:

ontact Person: _____ Date/Time: _____ Contacted by: _____

egarding:

_____

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orrective Action Taken:

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2005 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Justis
Site: D-1 vent
Date: 12/7/2004
Sampler: Joe Gatts
Laboratory: Environmental Lab of Texas

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg) Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	1523.0	0.0435	0.740	4.62	10.82
	2	18.2				
	3	219.0				
	4	0.1				
	5	0.1				

LAB COMPOSITE (mg/kg) Benzene	Toluene	Ethyl Benzene	Total Xylenes
0.0942	1.47	7.24	18.56

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg) Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-wall composite		267.0	0.0181	0.181	1.59	4.023

LAB COMPOSITE (mg/kg) Benzene	Toluene	Ethyl Benzene	Total Xylenes
<0.025	0.0981	0.579	1.555

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)