1R - 426-131

REPORTS

DATE:

2006

BD Hendrix Weatherly EOL

IR-426-131

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	Hendrix Weatherly EOL	G	17	21S	37E	Lea	moved 40 ft South		

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

Depth to Groundwater 73 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 7/15/2003 Date Completed 5/17/2005 NMOCD Witness no

Soil Excavated 67 cubic yards Excavation Length 15 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 4/28/2005 **Sample Depth** 12 ft

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	16.3	<10.0	57.6	165
BOTTOM COMP.	13.9	<10.0	76.8	184
BACKFILL COMP.	26.8	<10.0	108	244

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	[Cl⁻] ppm
4-wall comp.	n/a	207
bottom comp.	12	155
backfill comp.	n/a	193

General Description of Remedial Action:

This junction box was addressed during the pipeline replacement/upgrade program. Once the junction box lumber was removed, delineation trenches were made using a backhoe to collect samples at regular intervals. Chloride field tests and PID readings were conducted on each sample. Chloride and organic headspace concentrations were very low throughout and composite samples were collected from the final 10 x 15 x 12-ft-deep excavation for laboratory confirmation. The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding terrain. The disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. A new, watertight replacement junction box was built approx. 40 ft south of this site.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Israel Juarez SIGNATURE Israel Juarez COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 4/19/2006 TITLE Project Scientist

BD Hendrix Weatherly EOL

box lumber & junction removed; prior to excavation 7/15/2003

delineation & excavation 4/22/2005

compacting backfill 5/17/2006

seeding disturbed surface; new junction box in foreground (right) 4/21/2006

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: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100.4

SERIAL NO: 104412

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

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Hendrix Weatherly Rel	6	17	21	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Rem Backfill	26.8		
Bottom Comp @ 12'	13.9		
5' North Comp	54.1		
5' South Wall Comp	7.3		
5' East Wall Comp	19.1		
10' West Wall Comp.	7.5		
4 Wall Comp	16.3		

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

Signature Israel Juarez Date 4/28/05

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

COPY

Project: BD Hendrix Weatherly eol

Project Number: None Given

Location: None Given

Lab Order Number: 5E02012

Report Date: 05/04/05

Rice Operating Co.	Project: BD Hendrix Weatherly eol	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/04/05 16:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp. at 12'	5E02012-01	Soil	04/28/05 13:03	04/30/05 08:30
Remediated Backfill	5E02012-02	Soil	04/28/05 10:56	04/30/05 08:30
4 Wall Comp.	5E02012-03	Soil	04/28/05 13:34	04/30/05 08:30

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

Rice Operating Co.	Project: BD Hendrix Weatherly eol	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/04/05 16:06

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. at 12' (5E02012-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE50205	05/02/05	05/02/05	EPA 8015M	
Diesel Range Organics >C12-C35	**76.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**76.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.4 %*	*70-130*		"	"	"	"	
Remediated Backfill (5E02012-02) Soil									
Gasoline Range Organics C6-C12	**J [9.83]**	10.0	mg/kg dry	1	EE50205	05/02/05	05/02/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**108**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**108**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.8 %*	*70-130*		"	"	"	"	
4 Wall Comp. (5E02012-03) Soil									
Gasoline Range Organics C6-C12	**J [8.13]**	10.0	mg/kg dry	1	EE50205	05/02/05	05/02/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**57.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**57.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.4 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: BD Hendrix Weatherly eol	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/04/05 16:06

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. at 12' (5E02012-01) Soil									
Chloride	**184**	10.0	mg/kg	20	EE50311	05/03/05	05/03/05	EPA 300.0	
% Moisture	**11.6**	0.1	%	1	EE50301	05/02/05	"	% calculation	
Remediated Backfill (5E02012-02) Soil									
Chloride	**244**	25.0	mg/kg	50	EE50311	05/03/05	05/03/05	EPA 300.0	
% Moisture	**0.1**	0.1	%	1	EE50301	05/02/05	"	% calculation	
4 Wall Comp. (5E02012-03) Soil									
Chloride	**165**	10.0	mg/kg	20	EE50311	05/03/05	05/03/05	EPA 300.0	
% Moisture	**9.1**	0.1	%	1	EE50301	05/02/05	"	% 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 EE50205 - Solvent Extraction (GC)										
Blank (EE50205-BLK1)				Prepared & Analyzed: 05/02/05						
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	*38.5*		*mg/kg*	*50.0*		*77.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.4*		"	*50.0*		*74.8*	*70-130*			
LCS (EE50205-BS1)				Prepared & Analyzed: 05/02/05						
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	444	10.0	"	500		88.8	75-125			
Total Hydrocarbon C6-C35	855	10.0	"	1000		85.5	75-125			
Surrogate: 1-Chlorooctane	*35.7*		*mg/kg*	*50.0*		*71.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.8*		"	*50.0*		*79.6*	*70-130*			
Calibration Check (EE50205-CCV1)				Prepared & Analyzed: 05/02/05						
Gasoline Range Organics C6-C12	428		mg/kg	500		85.6	80-120			
Diesel Range Organics >C12-C35	520		"	500		104	80-120			
Total Hydrocarbon C6-C35	948		"	1000		94.8	80-120			
Surrogate: 1-Chlorooctane	*46.4*		"	*50.0*		*92.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.2*		"	*50.0*		*76.4*	*70-130*			
Matrix Spike (EE50205-MS1)	**Source: 5E02002-01**			Prepared & Analyzed: 05/02/05						
Gasoline Range Organics C6-C12	411	10.0	mg/kg dry	503	ND	81.7	75-125			
Diesel Range Organics >C12-C35	545	10.0	"	503	ND	108	75-125			
Total Hydrocarbon C6-C35	956	10.0	"	1010	ND	94.7	75-125			
Surrogate: 1-Chlorooctane	*40.7*		*mg/kg*	*50.0*		*81.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		"	*50.0*		*72.2*	*70-130*			
Matrix Spike Dup (EE50205-MSD1)	**Source: 5E02002-01**			Prepared & Analyzed: 05/02/05						
Gasoline Range Organics C6-C12	495	10.0	mg/kg dry	503	ND	98.4	75-125	18.5	20	
Diesel Range Organics >C12-C35	523	10.0	"	503	ND	104	75-125	4.12	20	
Total Hydrocarbon C6-C35	1020	10.0	"	1010	ND	101	75-125	6.48	20	
Surrogate: 1-Chlorooctane	*42.0*		*mg/kg*	*50.0*		*84.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		"	*50.0*		*71.6*	*70-130*			

Rice Operating Co.	Project: BD Hendrix Weatherly eol	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	05/04/05 16:06

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 EE50301 - General Preparation (Prep)										
Blank (EE50301-BLK1)				Prepared: 05/02/05 Analyzed: 05/03/05						
% Moisture	ND	0.1	%							
Duplicate (EE50301-DUP1)	**Source: 5E02002-01**			Prepared: 05/02/05 Analyzed: 05/03/05						
% Moisture	0.5	0.1	%		0.5			0.00	20	
Batch EE50311 - Water Extraction										
Blank (EE50311-BLK1)				Prepared & Analyzed: 05/03/05						
Chloride	ND	0.500	mg/kg							
LCS (EE50311-BS1)				Prepared & Analyzed: 05/03/05						
Chloride	10.2		mg/L	10.0		102	80-120			
Calibration Check (EE50311-CCV1)				Prepared & Analyzed: 05/03/05						
Chloride	10.7		mg/L	10.0		107	80-120			
Duplicate (EE50311-DUP1)	**Source: 5E02004-01**			Prepared & Analyzed: 05/03/05						
Chloride	634	100	mg/kg		636			0.315	20	

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Notes and Definitions

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

Report Approved By: Celey D Keene Date: 5/4/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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

Project Name: BD Hendrix Weatherly coal
Project #:
Project Loc:
PO #:

SE0202

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TCL	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se (TOTAL)	Volatiles	Semivolatiles	BTEX 8021B/5030	EC, CEC, SAR, ESP	Major cations/anions, TDS					RUSH TAT (Pre-Schedule)	Standard TAT
-01	Bottom Comp at 12'	4-28-05	1:03	1	X									X		X			X												
-02	Reconditioned Backfill	4-28-05	10:56	1	X									X		X			X												
-03	4 Wall Comp	4-28-05	1:34	1	X									X		X			X												

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
Non Scala-bottle 2.0°
ice
labels

Relinquished by:	Date	Time	Received by:	Date	Time
Israel Juarez	4-29-05	9:15		4/29	18:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	4/30	8:30	Rala JK/	4-30-05	0830

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

Client: Rice Operating

Date/Time: 5/2/05 8:30

Order #: 5E02OR

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0 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:

_____

_____

_____

_____

_____

_____

_____

_____