

1R - 426-212

# REPORTS

DATE:

10-27-08

BD Jct G-3-1

1R426-202

RECEIVED  
MAR 2 1970  
Environmental Bureau  
Oil Conservation Division

DISCLOSURE

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length 6'	Width 6'	Depth 5'
Blinebry-Drinkard (BD)	Jct. G-3-1	G	3	22S	37E	Lea	eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Versada Gas Processors, LLC OTHER \_\_\_\_\_

Depth to Groundwater 95 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 5/3/2007 Date Completed 6/13/2007 OCD Witness no

Soil Excavated 533 cubic yards Excavation Length 30 Width 30 Depth 16 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 6/7/2007 Sample Depth 16 ft

Procure 5-point composite sample of bottom and 4-point composite sample of 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	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	PID = 45.2 (field)				<10.0	364	624
BOTTOM COMP.	<0.005	<0.005	<0.005	0.016	71.2	1430	720
BACKFILL COMP.	PID = 94.2 (field)				<10.0	401	480

**CHLORIDE FIELD TESTS**

**General Description of Remedial Action:** This junction box was eliminated under the pipeline replacement/upgrade program. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x16-ft-deep hole. Chloride field tests were performed on each sample, which yielded chloride concentrations that did not sufficiently relent with depth. Organic vapors were measured using a PID, which also yielded elevated concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. The excavated soil was blended on-site, returned to the excavation, and contoured to the surrounding area. On 6/18/2007, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 10/22/2008.

**ADDITIONAL EVALUATION IS LOW PRIORITY**

enclosures: photos, BTEX study, lab results, PID screening

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	861
bottom comp.	16'	876
backfill comp.	n/a	545
vertical delineation trench at 15 ft west of former junction	1'	240
	2'	266
	3'	378
	4'	535
	5'	697
	6'	600
	7'	793
	8'	903
	9'	1121
	10'	1311
	11'	1623
	12'	1646
	13'	1449
	14'	1560
	15'	1302
	16'	915

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

SITE SUPERVISOR Noel Carmona SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 10-27-08

\*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

## BD Jct. G-3-1

Unit G, Section 3, T22S, R37E



undisturbed junction box, facing north

5/3/2007



30x30x16-ft delineation trench

6/7/2007



seeding backfilled site

6/18/2007



clay marker

6/25/2007

# 2008 BTEX Study

## Revised Junction Box Upgrade Plan (2003)

System: BD  
Site: Jct. G-3-1

Date: 6/7/2007  
Sampler: Noel Carmona

Laboratory: Cardinal  
Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 16 ft BGS	1	150	<0.005	<0.005	<0.005	0.016
	2	212				
	3	484				
	4	200				
	5	183				
			LAB COMPOSITE (mg/kg)			
			<0.005	0.005	0.023	0.204

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)



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

# RECEIVED

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: ROY R. RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471

JUN 14 2007

RICE OPERATING  
HOBBS NM

Receiving Date: 06/07/07  
Reporting Date: 06/12/07  
Project Number: NOT GIVEN  
Project Name: B.D. JCT. G-3-1  
Project Location: NOT GIVEN

Sampling Date: 06/07/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC/AB

# COPY

LAB NO.	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		06/11/07	06/11/07	06/08/07
H12712-6	BTTM. 5PT. FIELD COMP. @ 16'	71.2	1430	720
H12712-7	4 WALL COMP. @ 30'x30'	<10.0	364	624
H12712-8	BLENDED BACKFILL	<10.0	401	480
	Quality Control	787	759	490
	True Value QC	800	800	500
	% Recovery	98.3	94.9	98.0
	Relative Percent Difference	0.7	6.0	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-Cl-B

\*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H12712A RICE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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FAX TO: (505) 397-1471

JUN 14 2007

RICE OPERATING  
HOBBS NM

Receiving Date: 06/07/07  
Reporting Date: 06/12/07  
Project Number: NOT GIVEN  
Project Name: B.D. JCT. G-3-1  
Project Location: NOT GIVEN

Sampling Date: 06/07/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: BC

## COPY

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE	IN	06/11/07	06/11/07	06/11/07	06/11/07
H12712 C	COMPOSITE, BTM. #1-#5 LAB	<0.005	<0.005	<0.005	0.016
H12712-6	BTM. 5PT. FIELD COMP. @ 16'	<0.005	0.005	0.023	0.204
Quality Control		0.104	0.091	0.091	0.265
True Value QC		0.100	0.100	0.100	0.300
% Recovery		104	91.3	90.5	88.4
Relative Percent Difference		0.5	4.1	4.7	2.2

METHOD: EPA SW-846 8260

Chemist

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hebbs, NM 88240  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Rice Operating Co.						P.O. #:						BILL TO						ANALYSIS REQUEST					
Project Manager: Roy R. Reese						Company:																	
Address: 122 W. Taylor						Attn:																	
City: Hobbs						State: NM Zip: 88240																	
Phone #: 505-393-9174						Fax #: 505-393-1471																	
Project #:						Project Owner:																	
Project Name: B.D. Jett G-3-1																							
Project Location:																							
Sampler Name: Noel Carmena																							
FOR LAB USE ONLY																							
Lab I.D.						Sample I.D.																	
H12712-1	Bttm #1	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	PRESERV.	SAMPLING												
-2	Bttm #2	G	1	A																			
-3	Bttm #3	G	1	A																			
-4	Bttm #4	G	1	A																			
-5	Bttm #5	G	1	A																			
-6	Bttm, 5 ft. Field Composite	C	1	A																			
-7	4 Well Comp @ 30'x30'	C	1	A																			
-8	Blended Backfill	C	1	A																			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for bodily injury or consequential damages, including without limitation, business interruption, loss of time, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above listed reasons or otherwise.																							
Sampler Relinquished By: [Signature]						Received By: [Signature]						Date: 6/7/07						Time: 5:05 PM					
Relinquished By: [Signature]						Received By: (Lab Staff)						Date: [Blank]						Time: [Blank]					
Delivered By: (Circle One)						Sample Condition Intact?						Checked By: (Initials)											
Sampler - UPS - Bus - Other:						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						[Blank]						[Blank]					

**TERMS AND CONDITIONS:** Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

**REMARKS:** Bttm # 1-5 Composite in lab & run BTEX  
Email rreese@ricecard.com

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.



# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

Phone: (505) 393-9174 Fax: (505) 397-1471

## VOC FIELD TEST REPORT FORM

# COPY

### PID METER READING & CALIBRATION

CK.  
MODEL  
NO.

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MODEL: PGM 761S  
MODEL: PGM 7600  
MODEL: PGM 7600  
MODEL: PGM 7600

SERIAL NO: 104412  
SERIAL NO: 110-013744  
SERIAL NO: 110-12383  
SERIAL NO: 110-012920

LOT NO: 05-2292

FILL DATE: 11-28-5

ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

EXP. DATE: 5-28-7

METER READING ACCURACY: 100.00

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Jet G-3-1	G	3	22s	37E

30 x 30 x 16 15' DGS

SAMPLE	PID Results	Sample	PID Results
N Well Comp	38.6		
S Well Comp	21.5		
E Well Comp	17.4		
W Well Comp	45.4		
4 Well Comp	45.2		

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

SIGNATURE: [Signature]

DATE: 6-7-07

# 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

NO.

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MODEL: PGM 761S

MODEL: PGM 7600

MODEL: PGM 7600

MODEL: PGM 7600

SERIAL NO: 104412

SERIAL NO: 110-013744

SERIAL NO: 110-12383

SERIAL NO: 110-012920

LOT NO: 05-2992

FILL DATE: 11-28-5

ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

EXP. DATE: 5-28-7

METER READING ACCURACY: 100.00

COPY

SYSTEM

JUNCTION

UNIT

SECTION

TOWNSHIP

RANGE

BD	Jet G-3-1	G	3	22s	37E
----	-----------	---	---	-----	-----

30 x 30 x 16		16' BGS		5 pt Comp	
SAMPLE	PID Results	Sample	PID Results		
1 pt	150				
2 pt	212				
3 pt	484				
4 pt	200				
5 pt	183				
5 pt Bottom Comp	178				
Blended Backfill	94.2				

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

SIGNATURE: McDonnell

DATE: 6-7-07