

1R - 426-216

REPORTS

DATE:

8-7-08

BD Jet I-4

1R426-216

RECEIVED
MAR 25 1994
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	Width	Depth
Blinebry-Drinkard (BD)	Jct. I-4	I	4	22S	37E	Lea	moved 75 ft west		

Pricilla West C/O

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Greg Holt OTHER _____

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

Date Started 7/24/2007 Date Completed 8/28/2007 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 156 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 7/27/2007, 7/30/2007, 8/16/2007 Sample Depth 12 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 = 65.4 (field)				53.3	1270	944
BOTTOM COMP.	<0.010	<0.010	0.206	0.203	90.1	982	1340
BACKFILL	<0.020	<0.020	0.049	0.187	295	2430	656
50/50 BACKFILL	<0.010	<0.010	0.011	<0.030	<10.0	435	464

General Description of Remedial Action: This junction was addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 75 ft west of the former. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft-deep hole. Each sample was field tested for chloride concentration. Organic vapors were measured using a PID, which yielded elevated concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX concentrations. The excavated soil was blended on-site and field tested for chloride and TPH, which yielded elevated concentrations. Half of the blended backfill was replaced with clean, imported soil and blended on-site. The 50/50 backfill was returned to the excavation. Clean, imported top soil was used as a top cap and to contour to the surrounding area. On 8/28/2007, 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 8/7/2008.

ADDITIONAL EVALUATION IS LOW PRIORITY

enclosures: photos, lab results, PID screenings, BTEX comparison table, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	1009
bottom comp.	12'	1146
backfill comp.	n/a	708
50/50 backfill	n/a	572
vertical delineation trench 15 ft south of junction	1'	907
	2'	697
	3'	1510
	4'	1596
	5'	926
	6'	803
	7'	1158
	8'	909
	9'	1271
	10'	1139
11'	1403	
12'	1674	

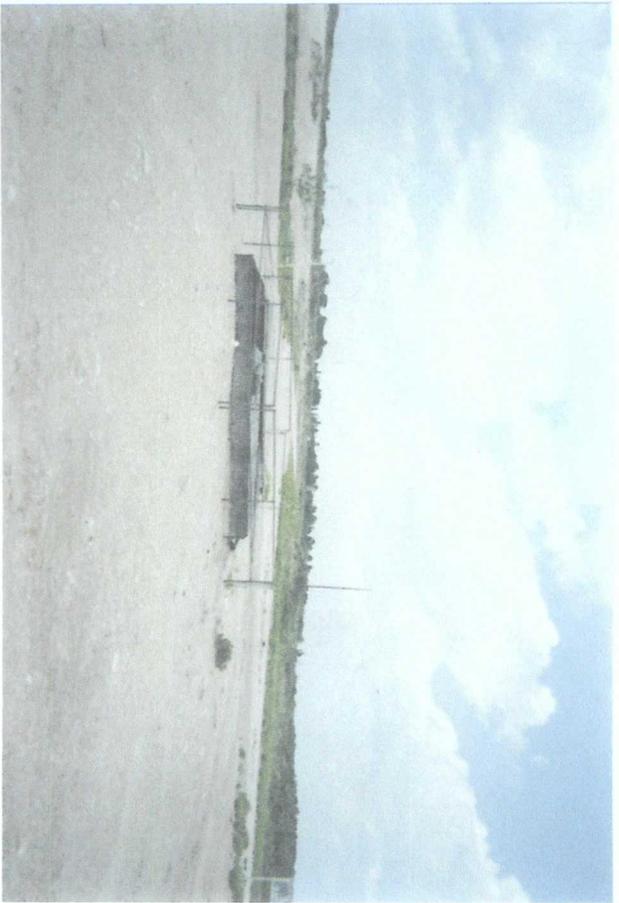
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 8-7-08

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



undisturbed junction box, facing north

7/13/2007

BD Jct. I-4

Unit I, Section 4, T22S, R37E



30x30x12-ft-deep excavation, facing east

7/27/2007



30x30x12-ft-deep excavation, facing north

7/27/2007

BD Jct. I-4

Unit I, Section 4, T22S, R37E



blending excavated soil, facing south

7/27/2007



seeding backfilled site, facing south

8/28/2007



blending clean, imported soil with blended backfill, facing south

8/15/2007



backfilled site, facing south

8/28/2007



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

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

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

Receiving Date: 07/30/07
Reporting Date: 07/31/07
Project Number: NOT GIVEN
Project Name: BD VENT I-4
Project Location: NOT GIVEN

Sampling Date: 07/27/07 & 07/30/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: LB/KS

COPY

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		07/30/07	07/30/07	07/31/07
H13002-1	4 WALL COMP 30X30	53.3	1270	944
H13002-2	BTTM 5PT COMP @12' BGS	90.1	982	1340
H13002-3	BLENDED BACKFILL 12 PT COMP	295	2430	656
Quality Control		1030	981	500
True Value QC		1000	1000	500
% Recovery		103	98.1	100
Relative Percent Difference		13.0	20.1	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-C1'B

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

Chemist

Date

H13002A RICE

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HOBBS NM**

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

Receiving Date: 07/30/07
Reporting Date: 07/31/07
Project Number: NOT GIVEN
Project Name: BD VENT I-4
Project Location: NOT GIVEN

Sampling Date: 07/27/07 & 07/30/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB



LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/30/07	07/30/07	07/30/07	07/30/07
H13002-2	BTTM 5PT COMP @12' BGS	<0.010	<0.010	0.206	0.203
H13002-3	BLENDED BACKFILL 12 PT COMP	<0.020	<0.020	0.049	0.187
H13002-4	BTTM SP#1 #5 @12' BGS	<0.020	<0.020	0.297	0.297
Quality Control		0.115	0.102	0.103	0.317
True Value QC		0.100	0.100	0.100	0.300
% Recovery		115	102	103	106
Relative Percent Difference		4.4	5.9	5.0	4.1

METHOD: EPA SW-846 8021B

Chemist

8/1/07

Date



COPY CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page _____ of _____

BILL TO		ANALYSIS REQUEST																			
Company Name: RICE OPER. CO.		P.O. #:		Company:		Alth:		Address:		City:		State:		Phone #:		Fax #:					
Project Manager: Roy R. Rascon		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Address: 122 W. TAYLOR		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
City: Hobbs		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Phone #: 505-393-9174		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Project #:		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Project Name: BD YENT J-4		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Project Location:		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Sampler Name: R. Rascon		State: NM Zip: 88240		Address:		City:		State:		Phone #:		Fax #:		Project Owner:		Project #:					
Lab I.D.	Sample I.D.	(G)RAB OR (COMP)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	PRESERV	SAMPLING	DATE	TIME	TPH BOISM	BTex	COMPPOSITE	SP#	LAB
1/2002-1	4 INHILL COMP 30X30	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-27-07	1300	✓	✓	✓	1-5	IN Lab
2	BHM 5PT COMP @ 12' BGS	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-27-07	0900	✓	✓	✓	1-5	IN Lab
3	Blended BACKFILL 12 FT COMP	C	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	1515	✓	✓	✓	1-5	IN Lab
4	ATTN SP#1 @ 12' BGS	G	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	0800	✓	✓	✓	1-5	IN Lab
	#2	G	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	0810	✓	✓	✓	1-5	IN Lab
	#3	G	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	0820	✓	✓	✓	1-5	IN Lab
	#4	G	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	0830	✓	✓	✓	1-5	IN Lab
	#5	G	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7-30-07	0840	✓	✓	✓	1-5	IN Lab

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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.

Sampler Relinquished: _____ Date: 7-30-07 Time: 10:45

Relinquished By: Roy R. Rascon

Received By: (Lab Staff) _____ Date: 07-30-07 Time: 13:45

Delivered By: (Circle One) _____

Sampler: UPS - Bus - Other: _____

Checked By: (Initials) _____

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

REMARKS: E-MAIL to J Purvis & R Rascon @ RICE S&A, Com
Composite SP#1-5 IN Lab & Run BTEX
07/14

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



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

AUG 23 2007
RICE OPERATING
HOBBS NM

Receiving Date: 08/16/07
Reporting Date: 08/20/07
Project Number: NOT GIVEN
Project Name: BD VENT I-4
Project Location: NOT GIVEN

Sampling Date: 08/16/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC/HM

COPY

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	
		(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	08/16/07	08/16/07	08/16/07
H13117-1 50/50 BLENDED	<10.0	435	464
BACKFILL			
Quality Control	786	784	500
True Value QC	800	800	500
% Recovery	98.3	98.0	100
Relative Percent Difference	5.0	0.3	2.0

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

*Analysis performed on a 1:4 w:v aqueous extract.

Burgess J. Cole
Chemist

8/20/07
Date

H13117A RICE

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

Receiving Date: 08/16/07
Reporting Date: 08/16/07
Project Number: NOT GIVEN
Project Name: BD VENT I-4
Project Location: NOT GIVEN

Sampling Date: 08/16/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB

COPY

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/16/07	08/16/07	08/16/07	08/16/07
H13117-1	50/50 BLENDED BACKFILL	<0.010	<0.010	0.011	<0.030
Quality Control		0.099	0.089	0.088	0.268
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99	89	88	89
Relative Percent Difference		6.1	4.6	1.4	0.2

METHOD: EPA SW-846 8021B

Burgess A. Cook
Chemist

8/16/07
Date

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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (505) 393-9174 FAX: (505) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

CK.	X
MODEL	
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-012383
MODEL: PGM 7600	SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 06-3079	EXPIRATION DATE: 12-16-07
FILL DATE: 6-16-06	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	VENT I-4	I	4	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
N wall @ 15' 5pt comp.	78.4	Blended Backfill	177
S wall @ 15' 5pt comp.	37.2		
E wall @ 15' 5pt comp.	40.6		
W wall @ 15' 5pt comp.	158		
4 wall comp @ 30x30	65.4		
Bottom 5pt comp sp #1	8.3		
2	10.4		
3	26.8		
4	19.7		
5	4.4		
Bottom 5pt comp @ 12'bgs	138		

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

SIGNATURE:



DATE: 7-27-07

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD Date: 7/27/2007, 7/30/2007 Laboratory: Cardinal
 Site: Jct. I-4 Sampler: Roy Rascon Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	8.3				
	2	10.4				
	3	26.8	<0.010		0.206	0.203
	4	19.7				
	5	4.4				
			LAB COMPOSITE (mg/kg)			
			<0.020	<0.020	0.297	0.297

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 1.5-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)

CHLORIDE CONCENTRATION CURVE

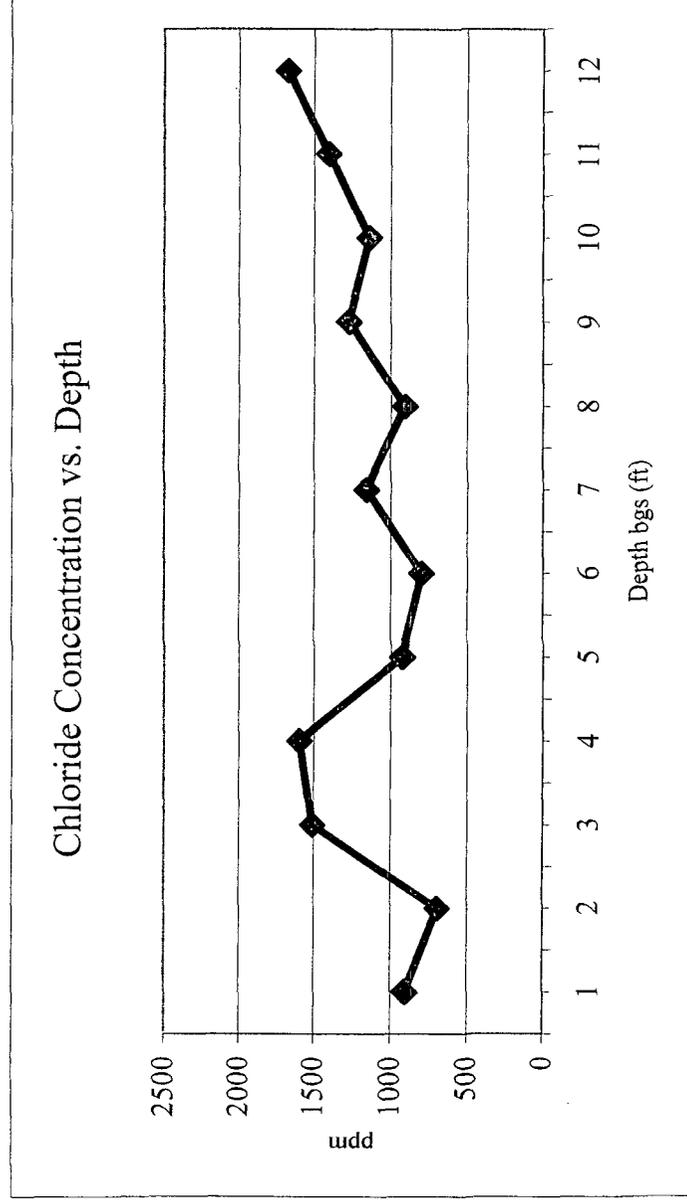
RICE Operating Company

BD Jct. I-4

unit 'I, Sec. 4, T22S, R37E

Backhoe samples at 15 ft south of junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
1	907
2	697
3	1510
4	1596
5	926
6	803
7	1158
8	909
9	1271
10	1139
11	1403
12	1674



Groundwater = 85 ft