

1R - 426-211

REPORTS

DATE:

1-20-09

BD Jct N-10

1R426-211

RECEIVED
MAR 27 1989
Environmental Division
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 12'	Width 6'	Depth 4'
Blineby-Drinkard (BD)	Jct. N-10	N	10	22S	37E	Lea	eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Pricilla Brunson Moody OTHER _____

Depth to Groundwater 92 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30*

Date Started 1/8/2008 Date Completed 10/23/2008 OCD Witness no

Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 1/8/2008, 10/23/2008 Sample Depth 9 ft, 60 ft

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	Chloride mg/kg
SOURCE 9' GRAB	PID = 25.4 (field)				<10.0	273	<16
BACKFILL COMP.	PID = 24.4 (field)				<10.0	126	<16
SOIL BORING #2 @ 60'	<0.050	<0.050	<0.050	<0.300	<10.0	<10.0	432

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals.

Chloride field tests were performed on each sample, which yielded generally low concentrations. Organic vapors were measured using a PID, which yielded some elevated concentrations. A 9 ft BGS sample from the source was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed elevated TPH concentrations. The site was then excavated to 10x10x12-ft, with soil samples field tested at regular intervals. Chloride field tests yielded generally low concentrations. Organic vapors, measured using a PID, yielded some elevated concentrations. The excavated soil was blended on site and returned to the excavation. Clean, imported soil was used as a top cap and to contour to the surrounding area. On 1/28/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride and organic vapor presence, two soil borings (SB) were initiated on

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6"	112
SOIL BORING at the former junction (source) 10/23/2008	15'	241
	20'	441
	30'	481
	35'	395
	40'	391
	45'	239
	50'	767
	55'	385
	60'	376

10/23/2008. SB #1 at 10 ft southwest of the former junction box and SB #2 at the former junction box. SB #1 was advanced to 20 ft below ground surface (BGS) and soil bore #2 was advanced to 60 ft BGS, while soil samples were taken at regular intervals and field tested for chloride and organic vapor concentrations. The deepest sample at SB #2, 60 ft BGS, was sent to a commercial laboratory for analysis of chloride, BTEX, and TPH, which yielded slightly elevated concentrations of chloride. The entire borehole was plugged with bentonite to the ground surface. NMOCD was notified of potential groundwater impact on 12/24/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

*Domestic wells within radius.

enclosures: photos, lab results, PID field screenings, boring data

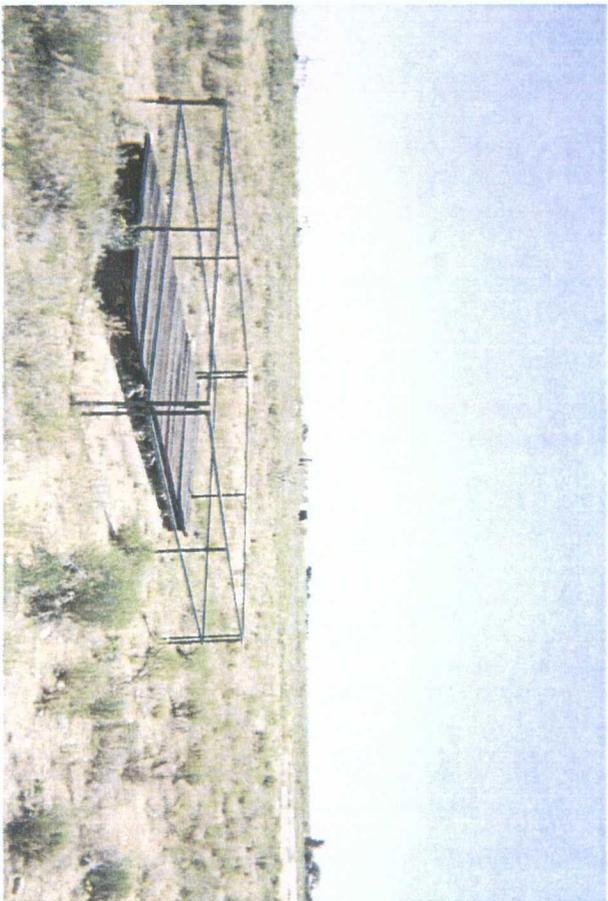
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY
 SITE SUPERVISOR Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr.
 DATE 1-20-09 TITLE PROJECT LEADER

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

BD Jct. N-10

Unit N, Section 10, T22S, R37E



undisturbed junction box, facing south

9/28/2007



excavating former junction box site, facing west

1/17/2008



backfilling excavation with clean, imported soil in background, facing southwest

1/25/2008



seeding backfilled site, facing southwest

1/25/2008



COPY

ANALYTICAL RESULTS FOR
 RICE OPERATING CO.
 ATTN: BRUCE BAKER
 122 W. TAYLOR
 HOBBS, NM 88240
 FAX TO: (575) 397-1471

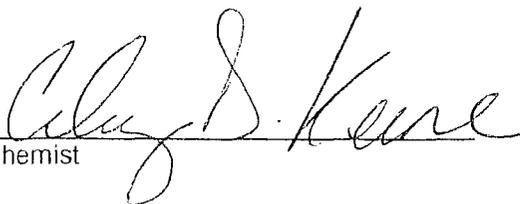
JAN 17 2008

Receiving Date: 01/09/08
 Reporting Date: 01/11/08
 Project Number: NOT GIVEN
 Project Name: BD JCT. N-10
 Project Location: BD JCT. N-10

Sampling Date: 01/08/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: ML
 Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₂) (mg/kg)	DRO (>C ₁₂ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		01/10/08	01/10/08	01/09/08
H14036-1	SOURCE 9' GRAB	<10.0	273	<16
H14036-2	BLENDED BACKFILL	<10.0	126	<16
Quality Control		548	554	500
True Value QC		500	500	500
% Recovery		110	111	100
Relative Percent Difference		11.2	5.4	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Std. Methods 4500-CIB
 *Analyses performed on 1:4 w:v aqueous extracts.


 Chemist


 Date

H14036TCL Rice

RICE OPERATING COMPANY

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

COPY

CK.	<input checked="" type="checkbox"/>
MODEL	
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: <u>07-3353</u>	EXPIRATION DATE: <u>4/12/09</u>
FILL DATE: <u>10/12/07</u>	METER READING ACCURACY: <u>99ppm</u>

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	Jct. N-10	N	10	22 S	37 E

Source

SAMPLE ID	PID	SAMPLE ID	PID
5'	0	Blended Backfill	24.4
6'	0.5		
7'	132		
8'	72		
9'	25.4		

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

SIGNATURE:

Bruce Baker

DATE:

1-08-08



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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NOV 05 2008

RICE OPERATING
HOBBS, NM

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

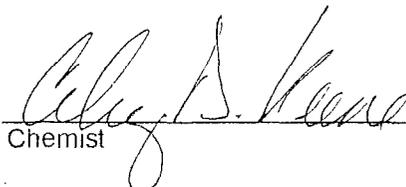
Receiving Date: 10/27/08
Reporting Date: 10/30/08
Project Number: NOT GIVEN
Project Name: BD JCT. N-10
Project Location: BD JCT. N-10

Sampling Date: 10/23/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

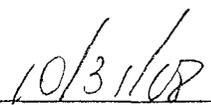
LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		10/29/08	10/29/08	10/29/08	10/29/08
H16201-1	SB #2 @ 60'	<0.050	<0.050	<0.050	<0.300
Quality Control		0.049	0.047	0.047	0.155
True Value QC		0.050	0.050	0.050	0.150
% Recovery		98.0	94.0	94.0	103
Relative Percent Difference		5.7	1.6	2.0	3.8

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.



Chemist



Date

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NOV 05 2008

WILSON ENGINEERING
HOBBS, NM

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/27/08
Reporting Date: 10/29/08
Project Number: NOT GIVEN
Project Name: BD JCT. N-10
Project Location: BD JCT. N-10

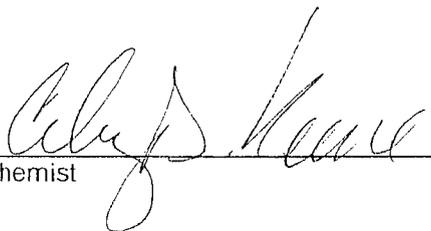
COPY

Sampling Date: 10/23/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		10/28/08	10/28/08	10/29/08
H16201-1	SB #2 @ 60'	<10.0	<10.0	432
Quality Control		554	499	500
True Value QC		500	500	500
% Recovery		111	99.8	100
Relative Percent Difference		0.9	8.2	2.0

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

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



Chemist



Date

H16201 TCL RICE

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name: Rice Operating Company		BILL TO		ANALYSIS REQUEST																	
Project Manager: Hack Conder		P.O. #:																			
Address: 122 West Taylor		Company:																			
City: Hobbs		Attn:																			
Phone #: 393-9174		Address:																			
Project #:		City:																			
Project Name: BD jct. N-10		State: NM		Chlorides																	
Project Location: BD jct. N-10		Zip: 88240		TPH 8015 M																	
Sampler Name: Lara Weinheimer		Phone #:		BTEX																	
FOR LAB USE ONLY		Fax #:																			
Lab I.D. Sample I.D.		PRESERV		SAMPLING		MATRIX		DATE		TIME											
						# CONTAINERS		19-13-09		3:00											
				GROUNDWATER		✓															
				WASTEWATER																	
				SLUDGE																	
				OIL																	
				SOIL		✓															
				ACID/BASE:																	
				ICE / COOL		✓															
				OTHER:																	
				OTHER:																	

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Relinquished By: L. Weinheimer	Received By: Micky Subst	Date: 10-27-08	Time: 4:30
Relinquished By:	Received By:	Date:	Time:
Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)	
Sampler - UPS - Bus - Other:	Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
REMARKS: email results			
Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:			
Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:			
Hconder@riceswd.com; jpurvis@riceswd.com;			
Lweinheimer@riceswd.com			

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

NEED SAMPLES BACK, PLEASE

COPY

Logger:	Lara Weinheimer	Client:	RICE Operating Company	Well ID:
Driller:	Harrison & Cooper, Inc. Drilling	Project Name:	BD jct. N-10	SB - 2
Drilling Method:	Air rotary	Location:	BD SWD System	
Start Date:	10-23-08	unit 'N' Sec.10 T22S, R37E		
End Date:	10-23-08	Lea County, NM		
Comments:				
Located at center of former junction box site				
TD = 60 ft GW = 65 ft				

Depth (feet)	chloride field tests	PID	Description	Lithology	Soil Bore Construction
			10 - 15 ft VERY FINE TO FINE SAND caliche, light brown, dry		
15	241	0.8			
20	no sample		15 - 30 ft VERY FINE TO FINE SAND rocky, reddish-brown, dry		
25	441	0.4			
30	481				
			30 - 35 ft VERY FINE TO FINE SAND caliche, light brown, dry		
35	395				
			35 - 45 ft VERY FINE TO FINE SAND quartz, reddish-brown, slightly moist		
40	391				
45	239				
			45 - 60 ft VERY FINE TO FINE SAND quartz, reddish-brown, moist		
50	767				
55	385				
60	376				
Lab	432				

bentonite
seal