

1R - 426-213

REPORTS

DATE:

11-7-08

BD John H. Hendrix Sarkeys 1&2

EOL

1R426-213

RECEIVED

MAR 24 1980

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		
Blinebry-Drinkard (BD)	John H. Hendrix Sarkeys 1&2 EOL	D	25	21S	37E	Lea	Length 6'	Width 4'	Depth 2'
							moved 50 ft west		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Mark Owen Estate OTHER _____

Depth to Groundwater 45 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/10/2008 Date Completed 1/28/2008 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 1/21/2008 Sample Depth 12 ft

Procure 5-point composite sample of bottom. 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
BOTTOM COMP.	0.931	1.06	4.66	12.5	431	2210	1630
BACKFILL COMP.	PID = 70.2 (field)				11.1	791	992

General Description of Remedial Action: This juncton was addressed under the pipeline replace/upgrade program. A new, watertight junction box was installed 50 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 10x10x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded elevated levels. 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. NMOCD was notified of potential groundwater impact on 11/4/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID screenings, BTEX study, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
bottom comp.	12'	1419
backfill comp.	n/a	1112
background	1'	144
vertical delineation trench at the junction (source)	4'	131
	5'	216
	6'	199
	7'	203
	8'	229
	9'	113
	10'	344
	11'	1384
	12'	2203

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 11/7/08 TITLE _____ PROJECT LEADER

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

BD John H. Hendrix Sarkeys 1&2 EOL

Unit D, Section 25, T21S, R37E



former junction box with new,
watertight junction box on right, facing south

10/22/2007



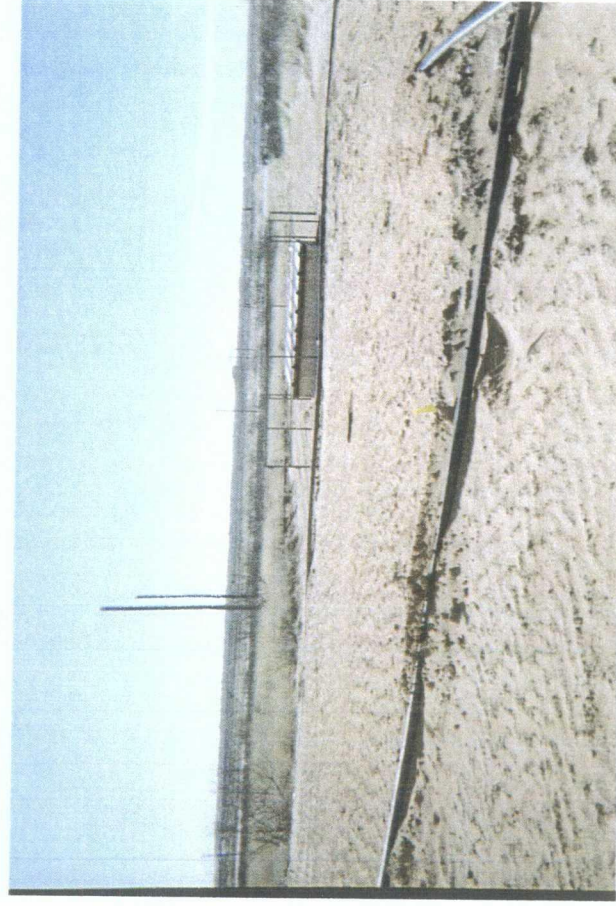
10x10x12-ft delineation trench

1/11/2008



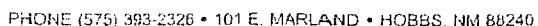
collecting soil samples

1/21/2008



site complete with site marker in center

2/12/2008



COPY

Sampling Date: 01/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: BC/KS

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

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

* Revised Report

Date _____

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CARDINAL LABORATORIES

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

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

COPY

Receiving Date: 01/21/08

Reporting Date: 01/23/08

Project Owner: NOT GIVEN

Project Name: BD JOHN H. HENDRIX SARKEYS 1&2 EOL

Project Location: BD JOHN H. HENDRIX
SARKEYS 1&2 EOL

Sampling Date: 01/21/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		01/22/08	01/22/08	01/22/08	01/22/08
H14121-1	5 PT. BTTM COMP @ 12'	0.931	1.06	4.66	12.5
H14121-2-6	5PT. BTTM SAMPLE	0.797	0.709	4.29	11.7
	COMPOSITE PT. 1-5				
Quality Control		0.092	0.084	0.088	0.253
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.4	84.4	88.3	84.4
Relative Percent Difference		0.1	0.8	0.7	0.3

METHOD: EPA SW-846 8021B

JAN 28 2008

Chemist

Date

H14121B RICE

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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.
MODEL
NO.

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

MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 110-013676
SERIAL NO: 110-013744
SERIAL NO: 110-12383
SERIAL NO: 110-012920



GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 4/12/09
FILL DATE: 10/12/07	METER READING ACCURACY: 99.5 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	John H. Hendrix SarKeys 1+2 EOL	D	25	215	37E

SAMPLE ID	PID	SAMPLE ID	PID
5pt. Bttm. Comp.	1087	Blended Backfill	70.7
Sample pt. 1	1326		
Sample pt. 2	1036		
Sample pt. 3	563		
Sample pt. 4	1024		
Sample pt. 5	1146		

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

SIGNATURE:

Bruce Baker

DATE:

1-21-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD
Site: John H. Hendrix
Sarkeys 1&2 EOL

Date: 1/21/2008
Sampler: Bruce Baker
Laboratory: Cardinal
Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	1326	0.931	1.06	4.66	12.5
	2	1036				
	3	563				
	4	1024				
	5	1146				
			LAB COMPOSITE (mg/kg)			
			0.797	0.709	4.29	11.7

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)

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

BD John H. Hendrix Sarkeys 1&2 EOL

Unit 'D', Sec. 25, T21S, R37E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
4	131
5	216
6	199
7	203
8	229
9	113
10	344
11	1384
12	2203

Groundwater = 45 ft

