

1R - 427-272

# REPORTS

DATE:

1-20-09

EME Jct A-19-1

1R427-27a

RECEIVED

MAR 25 2009

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		
Eunice Monument Eumont (EME)	Jct. A-19-1	A	19	21S	36E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 106 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/27/2008 Date Completed 9/24/2008 OCD Witness no

Soil Excavated 100.0 cubic yards Excavation Length 15 Width 15 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 9/5/2008 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	Chloride mg/kg
4-WALL COMP.	PID = 16.0 (field)				<25.0	<25.0	16
BOTTOM COMP.	<0.050	<0.050	<0.050	0.194	<25.0	148	64
BLENDED BACKFILL	PID = 23.8 (field)				<25.0	289	32

**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 producing a 15x15x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which yielded some elevated concentrations. Representative composite samples were collected and sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. Lab analysis confirmed that chloride, TPH, and BTEX were all within limits. The excavated soil was blended on-site and returned to the excavation to ground surface and contoured to the surrounding area. On 9/24/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings,

BTEX study, chloride curve

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	142
bottom comp.	12'	199
blended backfill	n/a	243
background	6"	150
vertical delineation trench at 15 ft south of the junction (source)	1'	116
	2'	157
	3'	150
	4'	84
	5'	147
	6'	171
	7'	140
	8'	172
	9'	173
	10'	138
	11'	120
	12'	120

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

SITE SUPERVISOR Jordan Woodfin SIGNATURE Jordan Woodfin COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 1-20-09



# EME Jct. A-19-1

Unit A, Section 19, T21S, R36E



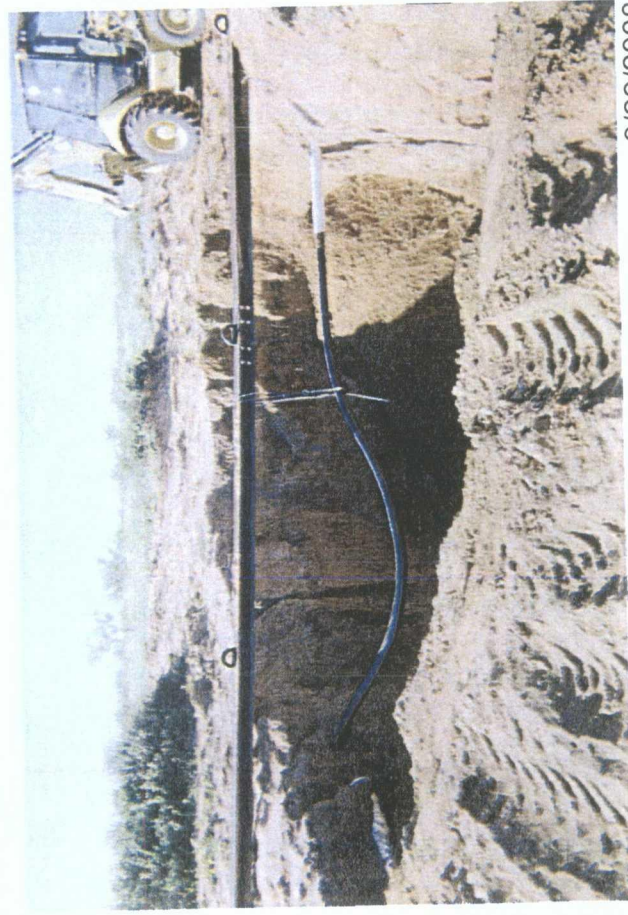
undisturbed junction box, facing north

1/28/2005



collecting a soil sample, facing north

8/27/2008



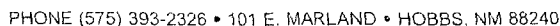
final excavation

9/22/2008



seeding backfilled site

9/24/2008



Sampling Date: 09/05/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: AB/HM

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

ANALYTICAL RESULTS FOR  
RICE OPERATION COMPANY  
ATTN: JORDAN WOODFIN  
122 W. TAYLOR  
HOBBS, NM 88240

Receiving Date: 09/05/08  
Reporting Date: 09/10/08  
Project Number: NOT GIVEN  
Project Name: EME JCT A-19-1  
Project Location: EME JCT A-19-1


Sampling Date: 09/05/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: ZL

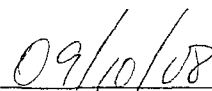
COPY

LAB NUMBER	SAMPLE ID	ETHYL TOTAL			
		BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE		09/09/08	09/09/08	09/09/08	09/09/08
H15881-3	5PT BTM COMP 12FT	<0.050	<0.050	<0.050	0.194
H15881-4 THRU 8	COMPOSITE OF	<0.050	<0.050	<0.050	0.256
	BTM #1 THRU BTM #5				
Quality Control		0.055	0.051	0.051	0.162
True Value QC		0.050	0.050	0.050	0.150
% Recovery		110	102	102	108
Relative Percent Difference		13.6	1.9	1.9	7.4

METHOD: EPA SW-846 8021B

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

  
Lab Director

  
Date

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# CARDINAL 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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST									
Company Name: <u>PRICE OPERATIONS</u>										P.O. #:									
Project Manager: <u>JORDAN WOODEN</u>										Company:									
Address: <u>122 W TAYLOR</u>										Attn:									
City: <u>110135</u> State: <u>NM</u> Zip: <u>88240</u>										Address:									
Phone #: <u>(505) 393-2326</u> Fax #: <u>(505) 393-2476</u>										City:									
Project #:										State:									
Project Name: <u>EMERGENCY A-14-1</u>										Phone #:									
Project Location: <u>EMERGENCY A-14-1</u>										Fax #:									
Sampler Name: <u>JORDAN WOODEN</u>																			
FOR USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	PRESERV	SAMPLING	DATE	TIME	CHLORIDE	TPH	BOISM	BETEX
1-15881-1	BLENDEN BACKFILL	2	1											9/4/08	1:10 pm				
2	Wall Composite	2	1											9/4/08	2:41				
3	5pt Btm Comp 12ft	2	1											9/4/08	3:05 pm				
4	BTM #1	6	1											9/4/08	1:15 pm				
5	BTM #2	6	1											9/4/08	1:22 pm				
6	BTM #3	6	1											9/4/08	1:35 pm				
7	BTM #4	6	1											9/4/08	1:41 pm				
8	BTM #5	6	1											9/4/08	1:59 pm				

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Relinquished By: <u>Jordan Wooden</u>	Date: <u>9/5/08</u>	Received By: <u>Justin DeBart</u>	Date: <u>9/5/08</u>
Relinquished By:	Date:	Received By:	Date:
Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)	
Samplet - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	<u>JD</u>	
	Yes <input type="checkbox"/> No <input type="checkbox"/>		

REMARKS: EMAIL RESULTS TO  
BBAKER@PRICE SWD.COM  
CSURVIS@PRICE SWD.COM

# 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.

✓

MODEL: PGM 7300  
MODEL: PGM 7600  
MODEL: PGM 7600  
MODEL: PGM 7600

SERIAL NO: 590-000183  
SERIAL NO: 110-013744  
SERIAL NO: 110-12383  
SERIAL NO: 110-023920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	A-19-1	A	19	21S	30E

10 ft EAST

SAMPLE ID	PID	SAMPLE ID	PID
1'	1.3	Blended Backfill	2.3.8
2'	1.2		
3'	0.9	4 wall Comp	16.0
4'	0.7		
5'	0.5	5pt Bottom Comp	182.7
6'	0.4	pt1	6.0
7'	0.4	pt2	17.6
8'	0.6	pt3	<del>2.38</del> 238.1
9'	0.9	pt4	7.8
10'	0.4	pt5	10.2
11'	0.3		
12'	0.2		

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

SIGNATURE:

*Jordan Wolf*

DATE: 9-5-08



# 2008 BTEX Study

## Revised Junction Box Upgrade Plan (2003)

System: EME  
Site: Jct. A-19-1

Date: 9/5/2008  
Sampler: Jordan Woodfin

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	6.0	<0.050	<0.050	<0.050	0.194
	2	17.6				
	3	238.1				
	4	7.8				
	5	10.2				
			LAB COMPOSITE (mg/kg)			
			<0.050	<0.050	<0.050	0.256

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.

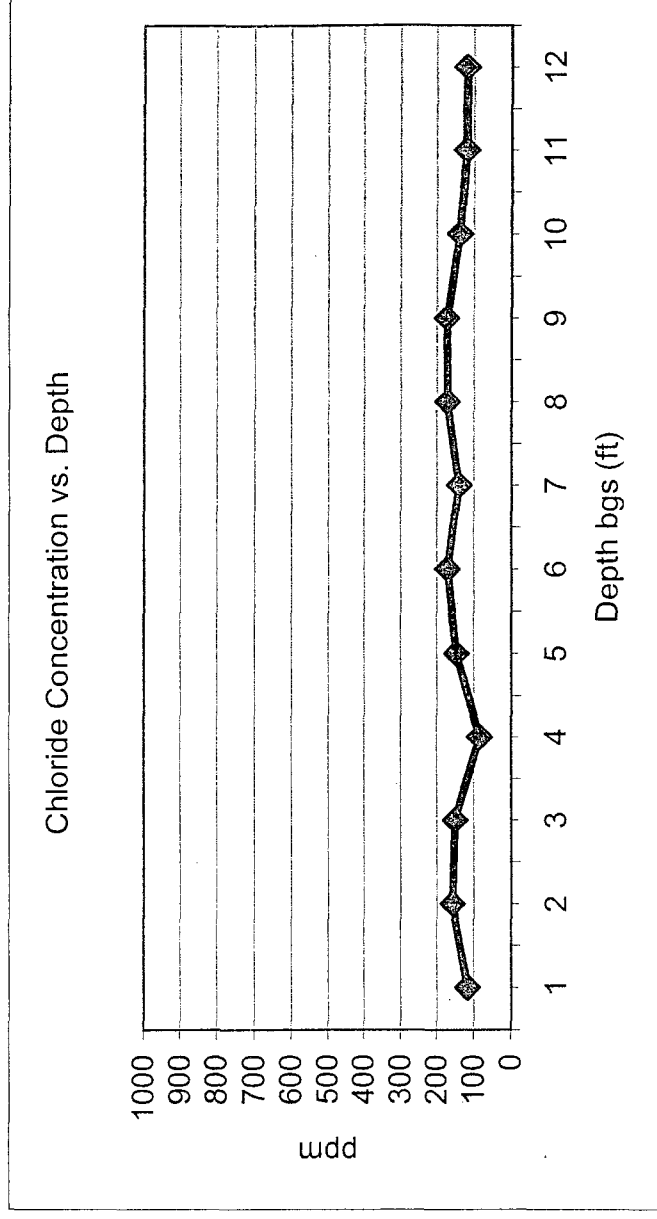
Revised Junction Box Upgrade Work Plan (July 16, 2003)

# EME Jct. A-19-1

Unit 'A', Sec. 19, T21S, R36E

Backhoe samples at 15 ft south of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	116
2	157
3	150
4	84
5	147
6	171
7	140
8	172
9	173
10	138
11	120
12	120



Groundwater = 170 ft