

1R - 427-212

**REPORTS**

**DATE:**

3-6-07

EME Jct P-6

*JP 4/3*

1R-427-212

RECEIVED

APR - 4 2007

Environmental Bureau  
Oil Conservation Division

**CLOSURE**

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	jct. P-6	P	6	22S	38E	Lea	no box--jct. eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Chevron Texaco OTHER \_\_\_\_\_

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/12/2003 Date Completed 9/15/2006 NMOCD Witness no

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

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

FINAL ANALYTICAL RESULTS: Sample Date 7/20/2006 Sample Depth 12 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	4.1	<10.0	<10.0	80
BOTTOM COMP.	2.8	<10.0	13.6	48
BACKFILL	10.9	<10.0	24.0	80

LOCATION	DEPTH (ft)	mg/kg
4-wall comp.	n/a	88
bottom comp.	12	341
backfill comp.	n/a	111

General Description of Remedial Action:

This junction box was eliminated with the pipeline replacement/upgrade program. After the box lumber was removed, delineation trenches were made using a backhoe to collect soil samples at regular intervals. Field chloride tests and organic vapor headspace measurements using a PID were performed on each sample yielding very low chloride concentrations and PID readings throughout the 30 x 30 x 12-ft-deep excavation. Composite samples were sent to a laboratory for confirmation of the field tests. The excavated soil was blended on site and then returned to the excavation and contoured to the surrounding terrain. On 9/19/2006, the disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope  
DATE 3/6/2007 TITLE Project Scientist

# EMME jct. P-6

Unit 'P', Sec. 6, T22S, R38E



deconstructing junction box 2/3/2003



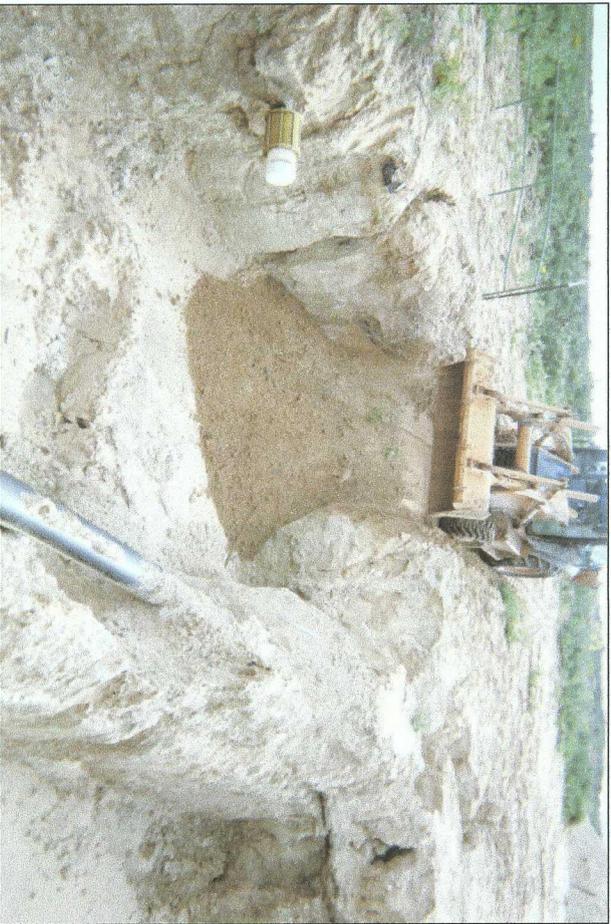
junction after box was removed 7/28/2003



beginning excavation & delineation 8/12/2003

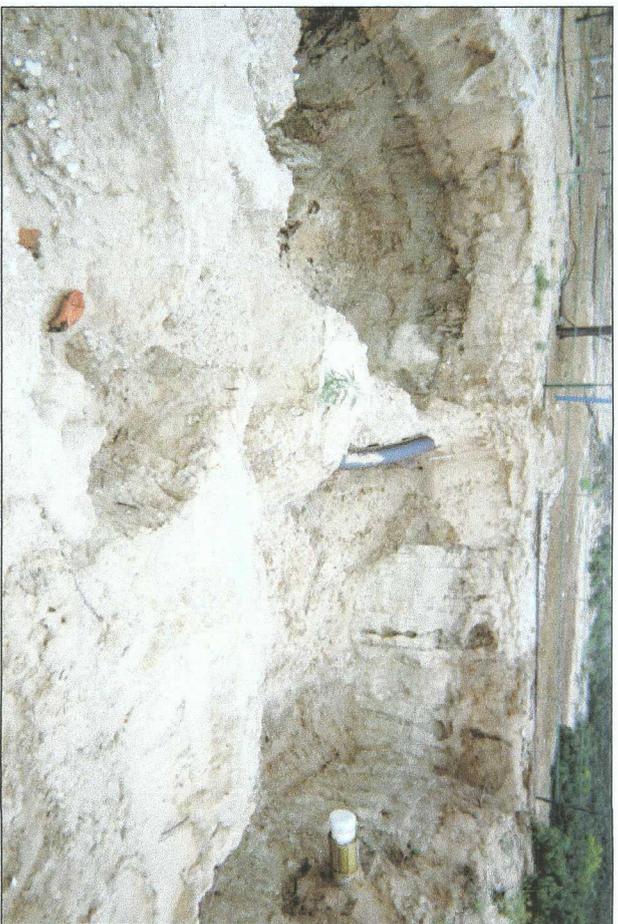


continuing delineation & excavation



backfilling excavation

Sept. 2006



final 30 x 30 x 12 ft excavation



seeding backfilled site

9/19/2006



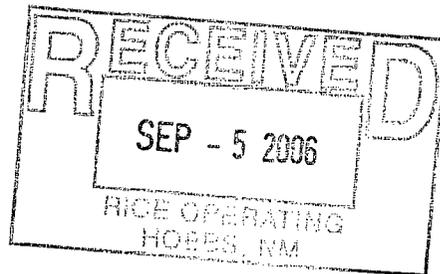




PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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



Receiving Date: 08/29/06  
 Reporting Date: 08/31/06  
 Project Number: NOT GIVEN  
 Project Name: EME JCT P-6  
 Project Location: NOT GIVEN

Sampling Date: 08/29/06  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: HM  
 Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		08/30/06	08/30/06	08/30/06
H11486-1	5 PT BOTTOM COMP	<10.0	13.6	48
Quality Control		783	779	990
True Value QC		800	800	1000
% Recovery		97.9	97.4	99.0
Relative Percent Difference		3.6	2.4	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB  
 \*Analysis performed on a 1:4 w:v aqueous extract.

*Burgen J. Coche*  
 Chemist

8/31/06  
 Date

H11486

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page \_\_\_\_\_ of \_\_\_\_\_

**CARDINAL 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

<b>Company Name:</b> Rice Operating		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																	
<b>Project Manager:</b> Roy R. Rascone		P.O. #																			
<b>Address:</b> 122 W. Taylor		Company:																			
<b>City:</b> 393-9174		Attn:																			
<b>State:</b> NM Zip: 88240		Address:																			
<b>Phone #:</b>		City:																			
<b>Project #:</b>		State:																			
<b>Project Name:</b> EME JCT P-6		Phone #:																			
<b>Project Location:</b>		Fax #:																			
<b>Sampler Name:</b>		Project Owner:																			
FOR LAB USE ONLY																					
<b>Lab I.D.</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>															
Sample I.D.		GROUNDWATER		ICE/COOL		DATE		TIME													
411486-1 SPT Bottom Comp		WASTEWATER		ACID/BASE		8-29-06		11:15													
		CRUDE OIL		OTHER:																	
		SLUDGE		OTHER:																	
		# CONTAINERS		OTHER:																	
		(G) RAB OR (COMP)		OTHER:																	
				SLUDGE																	
				CRUDE OIL																	
				WASTEWATER																	
				SOIL																	
				GROUNDWATER																	
				ICE/COOL																	
				ACID/BASE																	
				OTHER:																	
				OTHER:																	

**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 analyses. 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 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.

**Sampler Relinquished:** Date: 8-29-06 Time: 12:30  
 Received By: (Lab Staff) [Signature]  
 Checked By: (Initials) [Signature]

**Delivered By: (Circle One)**  
 Sampler - UPS - Bus - Other:  Yes  No

**Phone Result:**  Yes  No **Add'l Phone #:** \_\_\_\_\_  
**Fax Result:**  Yes  No **Add'l Fax #:** \_\_\_\_\_

**REMARKS:**  
 E. MAIL TO ROY

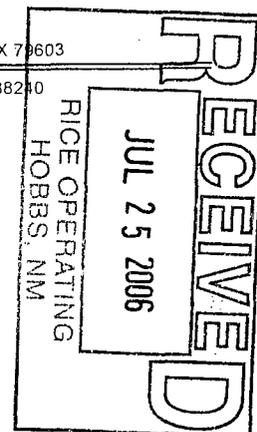
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



# ARDINAL LABORATORIES

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Project Name: EME JCT P-6  
Project Location: NOT GIVEN

Sampling Date: 07/20/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AB

COPY

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		07/20/06	07/20/06	07/21/06
H11364-1	BOTTOM 5 PT @ 12 FT.	<10.0	<10.0	528 *
H11364-2	4 WALL COMP 30x30	<10.0	<10.0	80
H11364-3	BACKFILL BLEND	<10.0	24.0	80
Quality Control		706	807	990
True Value QC		800	800	1000
% Recovery		95.7	101	99.0
Relative Percent Difference		3.4	8.9	1.0

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

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

\* Inconsistent with field tests.

Resample. RP

Chemist

Date

H11364

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