

1R - 427-314

**REPORTS**

**DATE:**

5-11-09

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EME Amoco 'J' EOL

2009

1R427-314

RECEIVED

APR - 6 2010

Environmental Bureau  
Oil Conservation Division

**CLOSURE**

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APP - 6 2010  
Environmental Bureau  
Oil Conservation Division

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Amoco St 'J' EOL	E	22	21S	36E	Lea	eliminated		

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

Depth to Groundwater 128 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 10/21/2008 Date Completed 11/21/2008 OCD 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 11/14/2008 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab 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.	0.0	<10.0	<10.0	160
BOTTOM COMP.	2.6	<10.0	<10.0	176
BLENDED BACKFILL	1.2	<10.0	<10.0	224

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	211
bottom comp.	12'	234
blended backfill	n/a	300
background	6"	141
vertical delineation trench at 15 ft south of the junction (source)	1'	179
	2'	177
	3'	197
	4'	201
	5'	235
	6'	203
	7'	233
	8'	238
	9'	174
	10'	182
11'	146	
12'	173	

**General Description of Remedial Action:** This junction box was eliminated during 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 30x30x12-ft-deep excavation. Chloride field tests performed on each sample yielded low concentrations similar to that of the background sample. Organic vapors were measured using a PID, which also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on site and returned to the excavation to ground surface and contoured to the surrounding area. On 11/21/2008, 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) screening, chloride curve

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

SITE SUPERVISOR Eric Garrison SIGNATURE *Eric Garrison* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 5-11-09

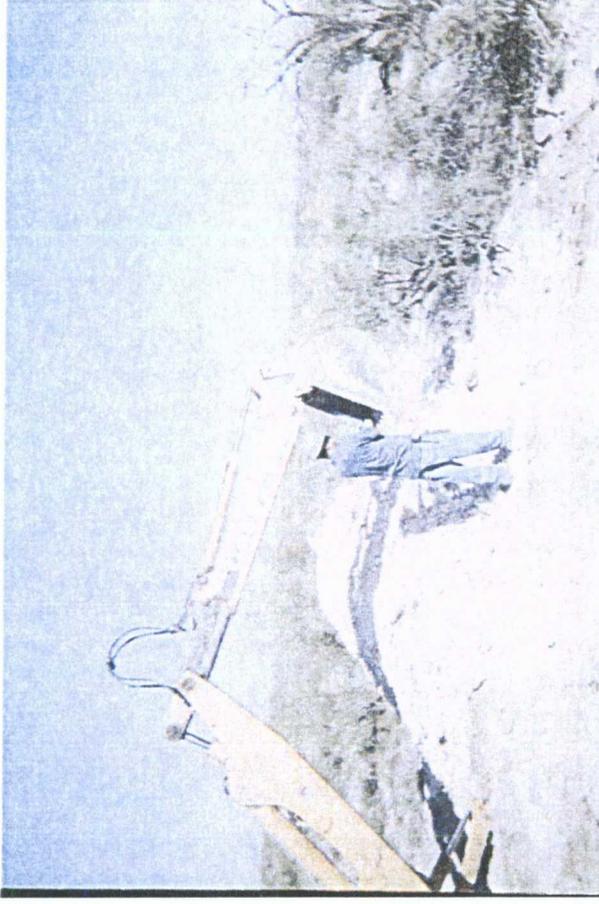
# EME Amoco St 'J' EOL

Unit E, Section 22, T21S, R36E



former junction box site, facing north

10/21/2008



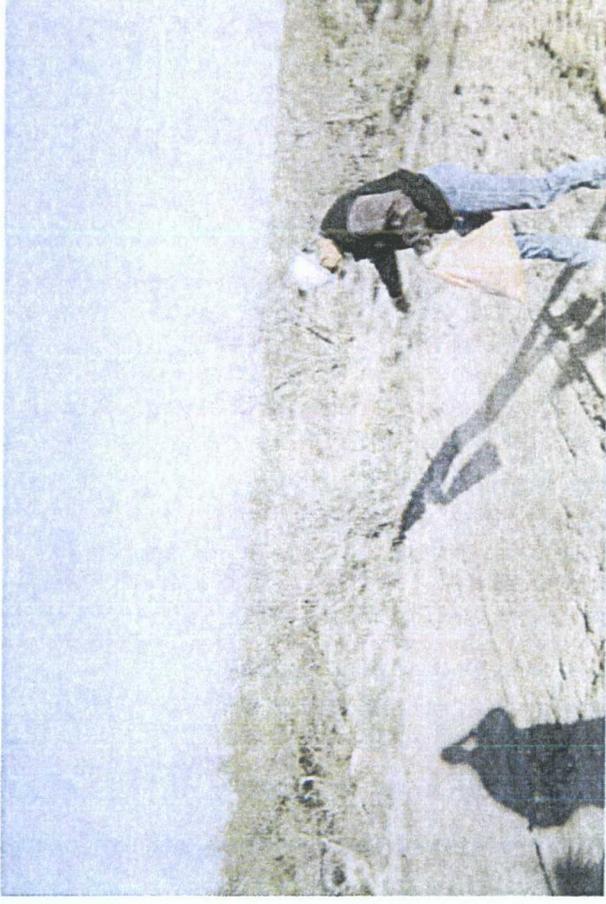
collecting a soil sample, facing north

10/31/2008



excavating former junction box site to 30x30x12-ft-deep, facing east

11/13/2008



seeding backfilled site, facing east

11/21/2008



# CARDINAL LABORATORIES

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

## RECEIVED

NOV 24 2008  
RICE OPERATING  
HOBBS, NM

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: ERIC GARRISON  
122 W. TAYLOR  
HOBBS, NM 88240

## COPY

Receiving Date: 11/14/08  
Reporting Date: 11/17/08  
Project Number: NOT GIVEN  
Project Name: EME AMOCO ST J EOL  
Project Location: EME AMOCO ST J EOL

Sampling Date: 11/14/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: AB/TR

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	11/15/08	11/15/08	11/17/08
H16335-1	4 WALL COMP @ 30'X30'	<10.0	<10.0	160
H16335-2	5 PT BTTM COMP @ 12'	<10.0	<10.0	176
H16335-3	BLENDED BACKFILL COMP	<10.0	<10.0	224
	Quality Control	583	468	510
	True Value QC	500	500	500
	% Recovery	117	93.6	102
	Relative Percent Difference	2.2	16.8	2.0

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

\_\_\_\_\_  
Lab Director

11/18/08  
\_\_\_\_\_  
Date

H16335 TCL RICE

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**CARDINAL LABORATORIES**  
 101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 Fax (575) 393-2476

BILL TO		ANALYSIS REQUEST									
P.O. #:											
Company:											
Attn:											
Address:											
City:											
State:											
Phone #:											
Fax #:											
Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX			PRESERV.			SAMPLING		
			GROUNDWATER	WASTEWATER	SLUDGE	ICE/COOL	OTHER:	DATE	TIME	DATE	TIME
H10335-1	4 well comp @ 30x30'	1	1	1	1	1	1	11-14-08	9:00		
-2	5 PT SYSTEM COMP @ 12'	1	1	1	1	1	1	11-14-08	9:15	X	X
-3	Blended backfill comp	1	1	1	1	1	1	11-14-08	9:30	X	X

COPY

8015 m TPH  
 72

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: Eric Garrison Date: 11-14-08 Time: 4:05

Received By: Eric Garrison Date: 11-14-08 Time: 4:05

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) \_\_\_\_\_

Temp. \_\_\_\_\_

Sample Condition: Cool  Intact  Yes  No  Yes  No

Checked By: (Initials) EG

Phone Result:  No  Add'l Phone #:

Fax Result:  No  Add'l Fax #:

REMARKS: Results Bunker@ricead.com  
Surveillance

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



CHLORIDE CONCENTRATION CURVE

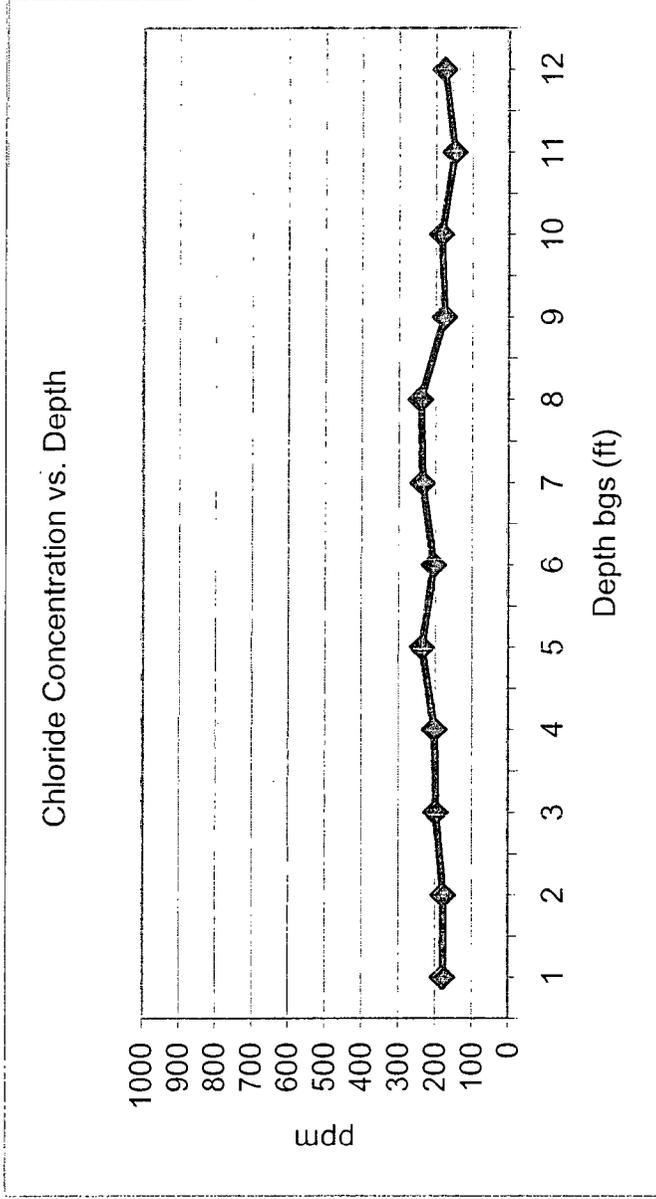
RICE Operating Company

**EME Amoco St 'J' EOL**

Unit 'E', Sec. 22, T21S, R36E

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

Depth bgs (ft)	[Cl] ppm
1	179
2	177
3	197
4	201
5	235
6	203
7	233
8	238
9	174
10	182
11	146
12	173



Groundwater = 128 ft