

1R - 427-249

# REPORTS

DATE:

10-24-08

**EME Jct O-7-1**

1R427-249

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		
							Length 4'	Width 6'	Depth 3'
Eunice Monument Eumont (EME)	Jct. O-7-1	O	7	19S	37E	Lea	eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Jimmie T. Cooper OTHER \_\_\_\_\_

Depth to Groundwater 41 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40\*

Date Started 8/22/2008 Date Completed 9/2/2008 OCD Witness no

Soil Excavated 111 cubic yards Excavation Length 10 Width 25 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 8/28/2008 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.

**CHLORIDE FIELD TESTS**

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.5	<10.0	<10.0	192
BOTTOM COMP.	0.5	<10.0	<10.0	256
BACKFILL COMP.	0.6	<10.0	<10.0	224

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	362
bottom comp.	12'	296
backfill comp.	n/a	333
background	6"	172
vertical delineation trench at 15 ft north of the junction (source)	1'	184
	2'	150
	3'	207
	4'	124
	5'	234
	6'	239
	7'	204
	8'	173
	9'	150
	10'	149
	11'	174
	12'	177

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x25x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded generally low concentrations. 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, confirming low concentrations. The excavated soil was returned to the excavation and contoured to the surrounding area. On 9/2/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

\*A small pond is located 755 ft west of the site.

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

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 Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 10-24-08

# EME Jct. O-7-1

Unit O, Section 7, T19S, R37E



undisturbed junction box, facing west

8/22/2008



collecting soil samples from trench

8/26/2008



backfilling excavation, facing west

9/2/2008



seeding backfilled site, facing northwest

9/2/2008



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

COPY

Receiving Date: 08/28/08  
 Reporting Date: 08/29/08  
 Project Number: NOT GIVEN  
 Project Name: NOT GIVEN  
 Project Location: EME JCT 0-7-1

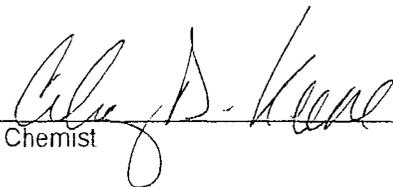
Sampling Date: 08/28/08  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: AB/TR

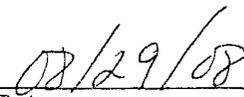
LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	CI* (mg/kg)
	ANALYSIS DATE	08/29/08	08/29/08	08/29/08
H15829-1	5 PT BOTTOM COMPOSITE 10X25X12*	<10.0	<10.0	256
H15829-2	4 WALL COMPOSITE 10X25X12*	<10.0	<10.0	192
H15829-3	BLENDED BACKFILL	<10.0	<10.0	224
	Quality Control	498	472	500
	True Value QC	500	500	500
	% Recovery	100	94.4	100
	Relative Percent Difference	16.2	9.1	< 0.1

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

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

\*Revised Report

  
 Chemist

  
 Date

H15829TCL RICE



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

**COPY**

BILL TO	ANALYSIS REQUEST										
Company Name: <u>Rice operating</u>	P.O. #:	Company: <u>SAME</u>	P.O. #:	Attn: _____	Company: _____	Attn: _____	Company: _____	Attn: _____	Company: _____	Attn: _____	Company: _____
Address: <u>620 W. Taylor</u>	City: <u>Hobbs</u>	State: <u>NM</u>	Zip: <u>88240</u>	City: _____	State: _____	Zip: _____	City: _____	State: _____	Zip: _____	City: _____	State: _____
Phone #: <u>393-9174</u>	Fax #: <u>575-397-1471</u>	Project #: _____	Project Name: _____	Project Location: <u>EME JCT 0-7-1</u>	Sampler Name: <u>Darnell Mitchell</u>	Project Owner: _____	Project #: _____	Project Name: _____	Project Location: _____	Sampler Name: _____	Project Owner: _____
Lab I.D. <u>H/5827-1</u>	Sample I.D. _____	Matrix: <u>SOIL</u>	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____	Matrix: _____
<u>5ft Bottom Compost 15x25x1A</u>	<u>4 wall compost 15x25x1A</u>	<u>Blended Backfill</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____
Date: <u>8/28/08</u>	Time: <u>9:05</u>	Date: _____	Time: _____	Date: _____	Time: _____	Date: _____	Time: _____	Date: _____	Time: _____	Date: _____	Time: _____
Received By: <u>[Signature]</u>	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____	Received By: _____
Relinquished By: <u>Darnell Mitchell</u>	Delivered By: <u>(Circle One)</u>	Temp: _____	Sample Condition: <u>Cool Intact</u>	Checked By: <u>[Signature]</u>	Checked By: _____	Checked By: _____	Checked By: _____	Checked By: _____	Checked By: _____	Checked By: _____	Checked By: _____
Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____	Sampler - UPS - Bus - Other: _____
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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 services. 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. No one shall 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.

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.

Phone Result:  No  Add'l Phone #:  
 Fax Result:  No  Add'l Fax #:

REMARKS: RESULTS B Baker @ Rice SWD .com

Darnell Mitchell

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: \_\_\_\_\_

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

# 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 type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-12383
	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100 PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	0-9-1	0	7	37 E	19-S

SAMPLE ID	PID	SAMPLE ID	PID
5PT Bottom COMPOSIT	0.5		
4 wall COMPOSIT	0.5		
Blended BACKFILL	0.6		

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

SIGNATURE: *Dannell Ritchie*

DATE: 8-28-08

# CHLORIDE CONCENTRATION CURVE

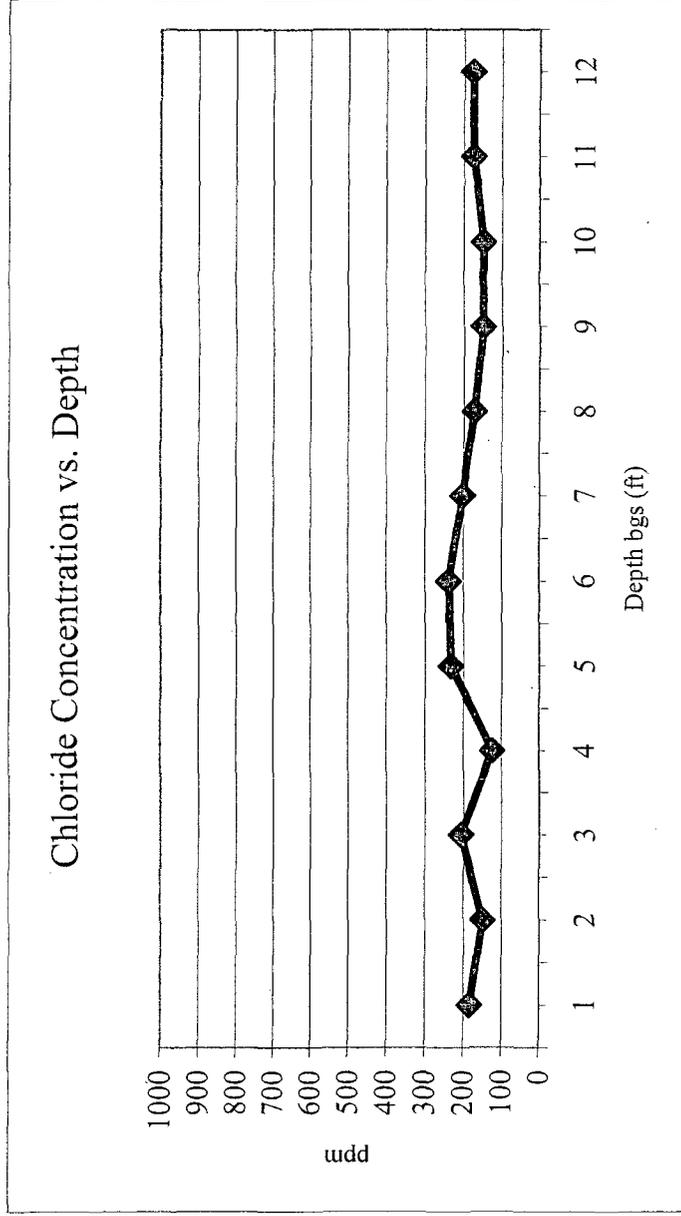
RICE Operating Company

## EME Jct. O-7-1

Unit 'O', Sec. 7, T19S, R37E

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

Depth bgs (ft)	Cl <sup>-</sup> ppm
1	184
2	150
3	207
4	124
5	234
6	239
7	204
8	173
9	150
10	149
11	174
12	177



Groundwater = 41 ft