

1R - 427-244

# REPORTS

DATE:

7-28-08

9  
**EME Apache Laughlin EOL**

**1R427-244**

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	Width	Depth
Eunice Monument Eumont (EME)	Jct. D-9 boot (2 boxes)	D	9	20S	37E	Lea	moved 160 ft southeast		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER D.L. Laughlin, Est. OTHER \_\_\_\_\_

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/9/2007 Date Completed 11/9/2007 OCD Witness no

Soil Excavated 6.7 cubic yards Excavation Length 2.5 Width 6 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 10/30/2007 Sample Depth 12 ft

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SOURCE 12' GRAB	7.4	<10.0	<10.0	160
BACKFILL	2.7	<10.0	<10.0	48

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
background	6"	176
vertical delineations trench at source	1'	225
	2'	170
	3'	228
	4'	115
	5'	148
	6'	202
	7'	251
	8'	n/a
	9'	205
	10'	122
	11'	182
	12'	179
backfill comp.	n/a	90

General Description of Remedial Action: These junction boxes were addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 160 ft southeast of the former site. After the lumber was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 2.5x6x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded low concentrations of chloride, similar to that of the background. Organic vapors were measured using PID, which also yielded low concentrations. A 12 ft grab sample from the source and a backfill composite sample were sent to a commercial laboratory for analysis confirming low concentrations of chloride and organics. The excavated soil was then blended on-site and returned to the excavation and contoured to the surrounding area. On 11/09/2007, 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 screenings, chloride graph

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

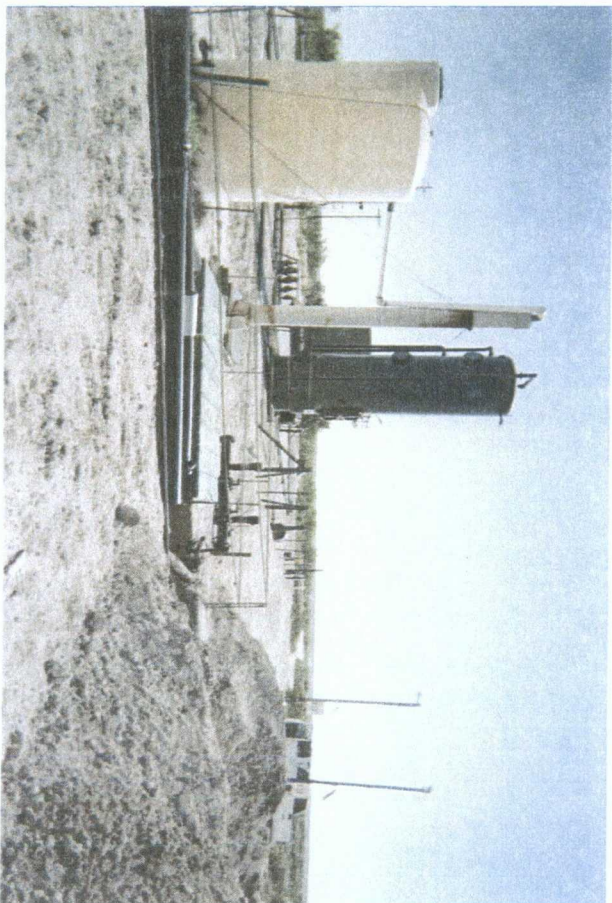
REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY

SITE SUPERVISOR Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr.

DATE 7-28-08 TITLE PROJECT LEADER

## EME Jct. D-9 boot

Unit D, Section 9, T20S, R37E



undisturbed junction boxes, facing south

8/9/2007



delineation trench, facing north

10/30/2007



backfilling excavation site

11/09/2007



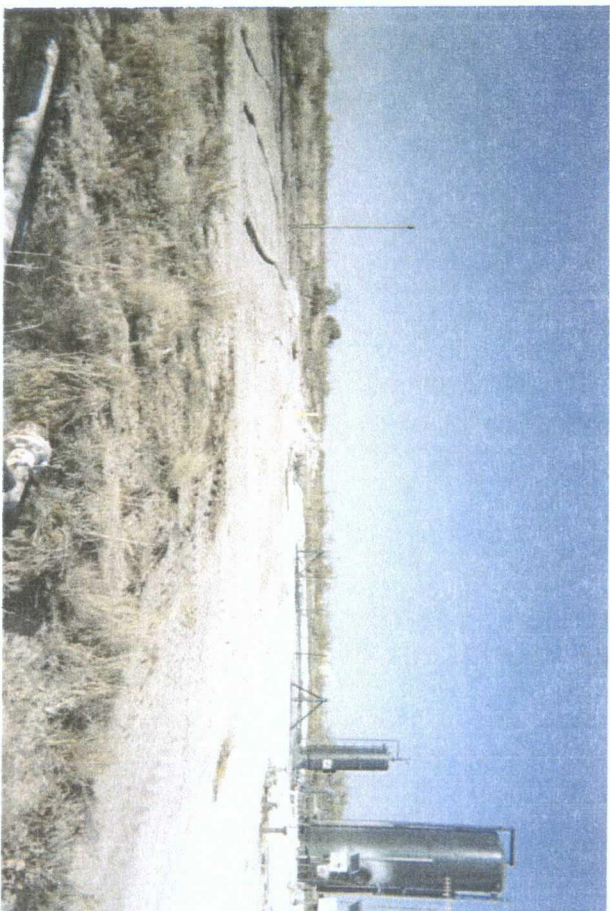
seeding backfilled site, facing north

11/09/2007



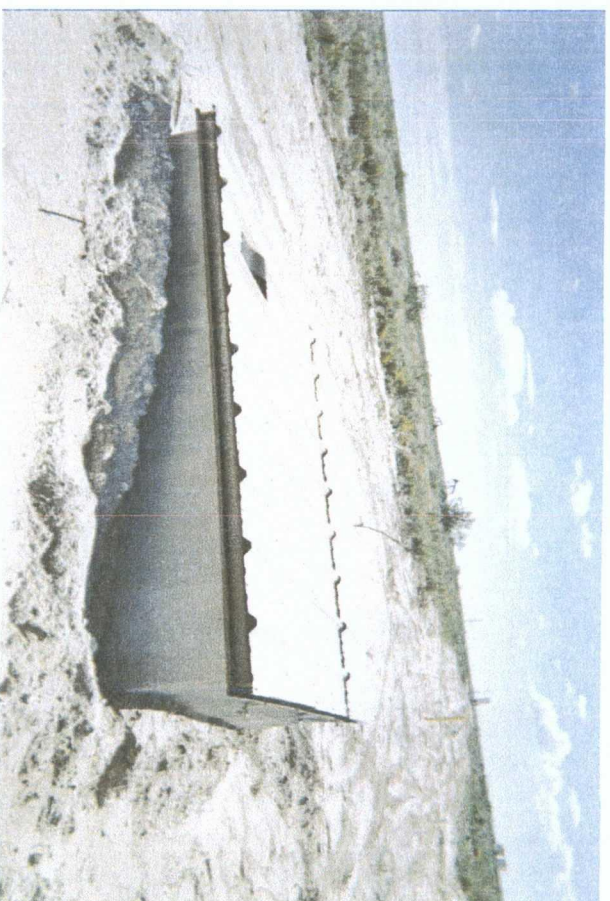
## EME Jct. D-9 boot

Unit D, Section 9, T20S, R37E



site complete, facing north

11/09/2007



new, watertight junction box

9/24/2007

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 client for 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 thirty (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.



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

# 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.	
MODEL	✓
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 4/08/09
FILL DATE: 10/08/07	METER READING ACCURACY:

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	D-9 Boot	D	9	20S	37E

Source

SAMPLE ID	PID	SAMPLE ID	PID
1'	2.2		
2'	0.6		
3'	1.6		
4'	0.1		
5'	0		
6'	0		
7'	0		
8'	NA		
9'	0		
10'	1.8		
11'	0		
12'	7.4		

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

SIGNATURE:

Bruce Baker

DATE:

10-30-07



# 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.	
MODEL	
NO.	

MODEL: PGM 761S	SERIAL NO: 104412
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 4/08/09
FILL DATE: 10-08-07	METER READING ACCURACY: 100ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. 0-9 Boat	D	9	205	37E

SAMPLE ID	PID	SAMPLE ID	PID
Backfill	2.7		
Background	1.1		

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

SIGNATURE:

Bruce Baker

DATE:

10-30-07

# CHLORIDE CONCENTRATION CURVE

RICE Operating Company

## EME Jct. D-9 boot

unit 'D', Sec. 9, T20S, R37E

Backhoe samples at source

Depth bgs (ft)	[Cl] ppm
1	225
2	170
3	228
4	115
5	148
6	202
7	251
9	205
10	122
11	182
12	179

Groundwater = 35 ft

