

1R - 427-242

# REPORTS

DATE:

7-10-08

EME Jet D-4

1R427-242

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. D-4	D	4	20S	37E	Lea	Length	Width	Depth
							moved 76 ft. south		

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

Depth to Groundwater 22 feet NMOC SITE ASSESSMENT RANKING SCORE: 40

Date Started 8/24/2007 Date Completed 11/12/2007 OCD Witness no

Soil Excavated 400.0 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 11/8/2007 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 NMOC guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	112
BOTTOM COMP.	0.0	<10.0	<10.0	432
BACKFILL	9.9	<10.0	<10.0	96

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
background	1'	117
25 ft. North of former junction	1'	179
	2'	198
	3'	161
	4'	166
	5'	187
	6'	142
	7'	150
	8'	136
	9'	172
	10'	194
	11'	151
	12'	185
4-wall comp.	n/a	248
bottom comp.	12'	344
backfill	n/a	271

General Description of Remedial Action: This junction box was addressed under the pipeline replacement/upgrade program. A new, water tight box was built 76 ft. south of the former. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft-deep hole. Field chloride tests performed on the 4-wall composite and 5-point bottom composite samples yielded relatively low concentrations of chloride. Organic vapors were also measured, yielding low concentrations. Commercial laboratory analyses performed on the representative composite samples confirmed concentrations of chloride and organics. The site was then backfilled and contoured to the surrounding area. On 11/12/2007, 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 screening, 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 7-10-08 TITLE PROJECT LEADER

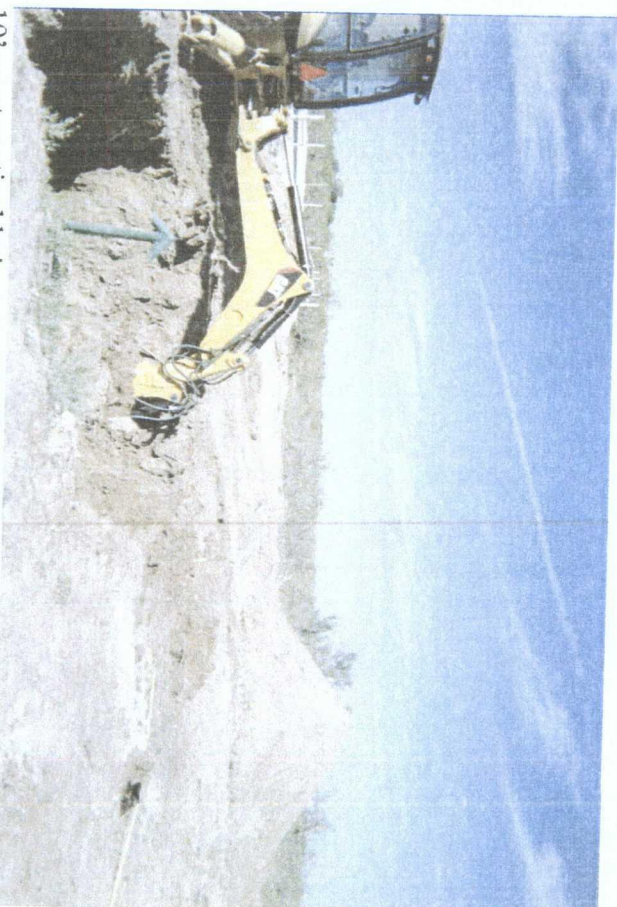
# EME Jct. D-4

Unit D, Section 4, T20S, R37E



site prior to excavating, facing north

11/01/2007



10' west vertical being excavated

11/01/2007



backfilling excavation site, facing west

11/12/2007



seeding backfilled site, facing northwest

11/13/2007



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

COPY

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: BRUCE BAKER  
122 WEST TAYLOR  
HOBBS, NM 88240  
FAX TO: (575) 397-1471

NOV 15 2007

RICE OPERATING CO.  
HOBBS, NM

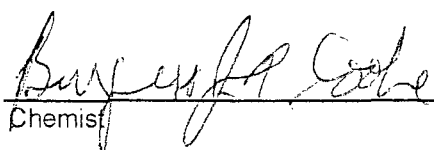
Receiving Date: 11/08/07  
Reporting Date: 11/09/07  
Project Number: NOT GIVEN  
Project Name: EME JCT D-4  
Project Location: EME JCT D-4

Sampling Date: 11/08/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
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)	CI* (mg/Kg)
ANALYSIS DATE		11/08/07	11/08/07	11/09/07
H13672-1	5PT BTTM. COMP. @ 12'	<10.0	<10.0	432
H13672-2	4 WALL COMP. 30x30	<10.0	<10.0	112
H13672-3	BLENDED BACKFILL	<10.0	<10.0	96
Quality Control		758	798	500
True Value QC		800	800	500
% Recovery		94.8	99.7	100
Relative Percent Difference		6.3	0.4	<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.

  
Chemist

11/9/07  
Date

H13672 RICE

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

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

[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.	<input checked="" type="checkbox"/>
MODEL	<input type="checkbox"/>
NO.	<input type="checkbox"/>

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: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

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

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct D-4	D	4	20S	37E

SAMPLE ID	PID	SAMPLE ID	PID
Spt Btm Comp @ 12'	0		
4 Wall Comp @ 30x30	0		
Blended Backfill	9.9		

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

SIGNATURE:

Bruce Baker

DATE:

11-08-07

# CHLORIDE CONCENTRATION CURVE

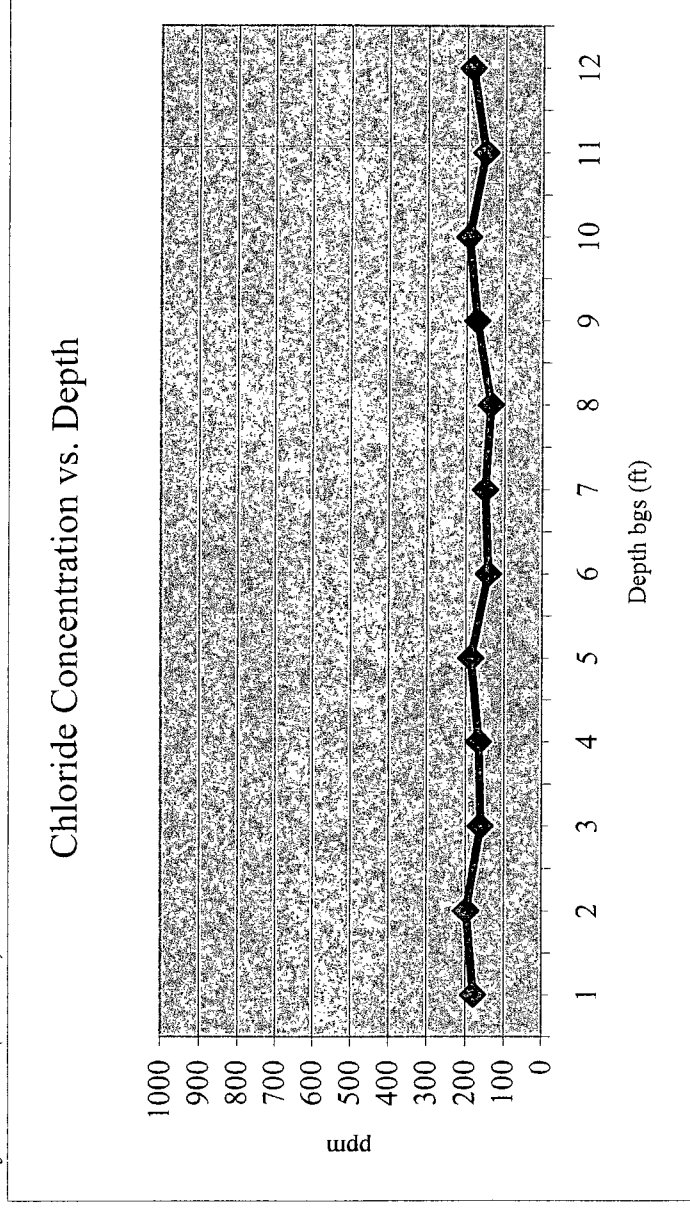
RICE Operating Company

## EME Jct. D-4

unit 'D', Sec. 4, T20S, R37E

Backhoe samples at 25' north of former junction (source)

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	179
2	198
3	161
4	166
5	187
6	142
7	150
8	136
9	172
10	194
11	151
12	185



Groundwater = 22 ft