

1R - 427-302

**REPORTS**

**DATE:**

2-15-10

**EME B-6 EOL  
2009**

1R427-302

RECEIVED

APR - 6 2010

Environmental Bureau  
Oil Conservation Division

**CLOSURE**

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

RECEIVED

ADD - 6 2010

Environmental Bureau  
Oil Conservation Division

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	B-6 EOL	B	6	21S	36E	Lea	Length	Width	Depth
							Eliminated		

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

Depth to Groundwater 153 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 10/16/2009 Date Completed 10/16/2009 OCD Witness no

Soil Excavated 4.4 cubic yards Excavation Length 5 Width 3 Depth 8 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 10/16/2009 Sample Depth 8 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 8' GRAB	1.1	<10.0	81.4	<16

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
vertical delineation trench at the junction (source)	4'	57
	5'	57
	6'	56
	7'	89
	8'	60

**General Description of Remedial Action:** This junction was eliminated under the pipeline replacement/upgrade program. After the former junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals.

Chloride field tests were performed on each sample, which yielded low concentrations of chloride similar to that of the background sample. Organic vapors were measured using

using a PID, which also yielded low concentrations. The deepest sample, 8 ft BGS, was sent to a commercial laboratory for analysis,

which confirmed low concentrations of chloride and organics. The excavated soil was returned to the excavation to ground surface and

surface and contoured to the surrounding area. On 12/18/09, 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, (field) 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 Noel Carmona SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT  
ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 2-15-10

# EME B-6 EOL

Unit B, Section 6, T21S, R36E



Site prior to delineation

10/16/2009



Delineation trench being excavated

10/16/2009



Sample being taken

10/16/2009



Seeding site

12/18/2009



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

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

Receiving Date: 10/16/09  
Reporting Date: 10/21/09  
Project Owner: NOT GIVEN  
Project Name: EME B-6 EOL 21-36  
Project Location: EME B-6 EOL 21-36

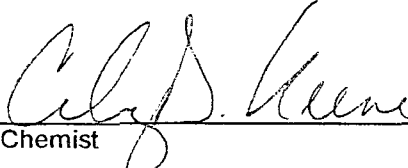
Sampling Date: 10/16/09  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: AB  
Analyzed By: AB/HM

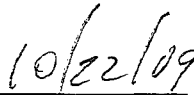
LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	
	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	10/20/09	10/20/09	10/19/09
H18521-1 SOURCE @ 8'	<10.0	81.4	< 16
Quality Control	495	521	500
True Value QC	500	500	500
% Recovery	99.0	104	100
Relative Percent Difference	1.6	2.7	< 0.1

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

\*Analysis performed on a 1:4 w:v aqueous extract. Reported on wet weight.

  
Chemist

  
Date

H18521 TCL 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

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

## BILL TO

## ANALYSIS REQUEST

Company Name: Rice Operating Co.

Project Manager: Bruce Baker

Address: 182 E. Taylor

City: Hobbs State: NM Zip: 88240

Phone #: 575-393-4174 Fax #: 575-393-1471

Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: Eme 86 cel 21-36

Sample Name: Hot Air

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

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: 10/16/09 Received By: CB

Time: 4:20

Relinquished By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Time: \_\_\_\_\_

Delivered By: (Circle One)

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

Sample Condition \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

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

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

REMARKS: Eme 1 Baker & J. Purvis @ Rice

St. Louis, MO

Phone Result: ☐ No ☐ Add'l Phone #:

Fax Result: ☐ No ☐ Add'l Fax #:

# RICE OPERATING COMPANY

122 West Tayor Hobbs, NM 88240  
 PHONE: (575) 393-9174 FAX: (575) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

X

Model: PGM 7300 Serial No: 590-000183  
 Model: PGM 7300 Serial No: 590-000508  
 Model: PGM 7300 Serial No: 590-000504


Model: PGM 7600 Serial No: 110-023920  
 Model: PGM 7600 Serial No: 110-013744  
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 924908	EXPIRATION DATE: 7-29-09
FILL DATE: 7-30-09	METER READING ACCURACY: 100 ppm

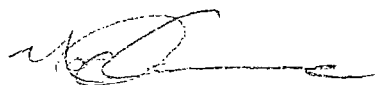
ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	B-C	B	6	21	36

SAMPLE ID	PID	SAMPLE ID	PID
4'	2.9		
5'	2.0		
6'	1.3		
7'	1.1		
8'	1.1		

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

SIGNATURE:



DATE:

10/16/09

# CHLORIDE CONCENTRATION CURVE

RICE Operating Company

## EME B-6 EOL

Unit 'B', Sec. 6, T21S, R36E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
4	57
5	57
6	56
7	89
8	60

Groundwater = 153 ft.

