

1R - 427-256

REPORTS

DATE:

1-22-09

EME Jct F-9 Boot
(2 boxes)

1R427-256

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. F-9 boot (2 boxes)	F	9	20S	37E	Lea	Length 10'	Width 4'	Depth 3'
							moved 130 ft north		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER WHV Laughlin Estates OTHER _____

Depth to Groundwater 30 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/18/2008 Date Completed 9/19/2008 OCD Witness no

Soil Excavated 178 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/29/2008 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.	1.3	<10.0	<10.0	16
BOTTOM COMP.	5.2	<10.0	<10.0	64
BACKFILL COMP.	2.9	<10.0	<10.0	16

General Description of Remedial Action: These junction boxes were addressed during the pipeline replacement/upgrade program. A new, watertight junction box was built 130 ft north of the former. After the former boxes were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft-deep excavation. Chloride field tests were performed on each sample, yielding generally low concentrations. Organic vapors were measured using a PID, yielding 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, returned to the excavation to ground surface, and contoured to the surrounding area. On 9/19/2008, 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 screenings, chloride curve

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	141
bottom comp.	12'	298
blended backfill	n/a	147
vertical delineation trench at 10 ft south of the junction (source)	1'	165
	2'	171
	3'	231
	4'	151
	5'	200
	6'	180
	7'	273
	8'	197
	9'	234
	10'	140
	11'	245
	12'	197

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 1-22-09 TITLE PROJECT LEADER

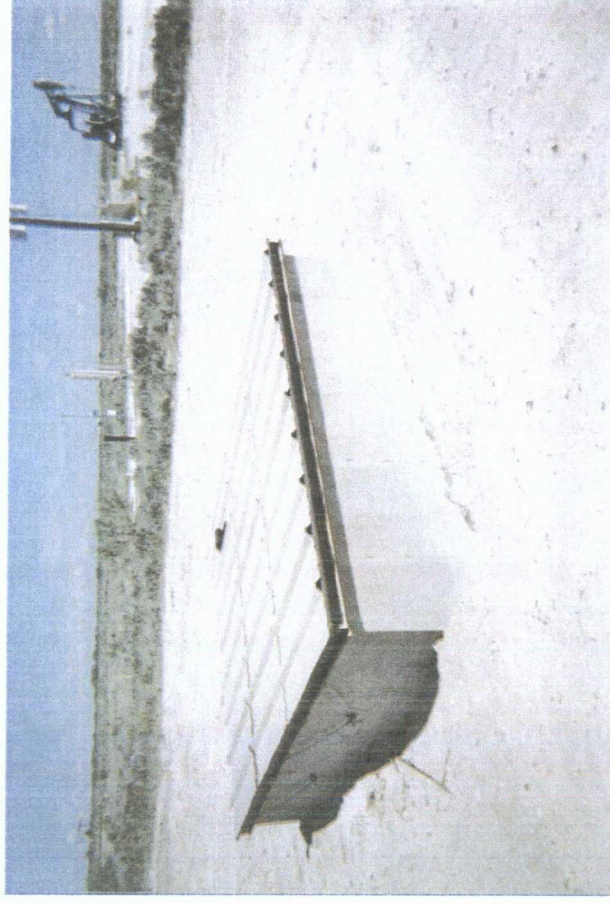
EME Jct. F-9 boot

Unit F, Section 9, T20S, R37E



undisturbed junction boxes

8/06/2007



new, watertight junction box
130 ft north of the former

9/24/2007



collecting a soil sample

8/18/2008



blending excavated soil

8/27/2008



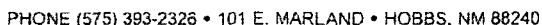
backfilling the 20x20x12-ft excavation

9/19/2008



seeding backfilled site

9/19/2008



COPY

Sampling Date: 08/29/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB/HM

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

Date 09/03/08

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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

BILL TO ANALYSIS REQUEST									
Company Name: Rice Operating			P.O. #:		COPY				
Project Manager: Jordan Woodfin			Company:						
Address: 122 W Taylor			Attn:						
City: Ft. Worth			Address:						
State: NM Zip: 88240			City:						
Phone # (575) 393-9184 Fax # (575) 347-1471			State: Zip:		COPY				
Project #:			Phone #:						
Project Name: FME JCT F-9 BOOT			Fax #:						
Project Location: FME JCT F-9 BOOT									
Sampler Name:									
<div style="display: flex; justify-content: space-between;"> <div> <p>FOR LAB USE ONLY</p> <p>Lab I.D. 11/5843-</p> </div> <div> <p>Sample I.D.</p> <p>1 Blended Baefull</p> <p>2 4 wall composite</p> <p>3 6pt Blm Composite</p> </div> </div>									
<div style="display: flex; justify-content: space-between;"> <div> <p>(G)RAB OR (C)OMP</p> <p>0 C C</p> </div> <div> <p># CONTAINERS</p> </div> </div>			<div style="display: flex; justify-content: space-between;"> <div> <p>MATRIX</p> <p>GROUNDWATER</p> <p>WASTEWATER</p> <p>SOIL</p> <p>OIL</p> <p>SLUDGE</p> <p>OTHER:</p> </div> <div> <p>PRESERV</p> <p>ACID/BASE</p> <p>ICE / COOL</p> <p>OTHER:</p> </div> </div>			<div style="display: flex; justify-content: space-between;"> <div> <p>DATE</p> <p>8-29-08 10:01 AM</p> <p>8-29-08 9:53 PM</p> <p>8-29-08 9:21 PM</p> </div> <div> <p>TIME</p> <p>✓</p> <p>✓</p> <p>✓</p> </div> </div>			
<p>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 analysis. 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.</p>									
<p>Relinquished By: Jordan Woodfin</p> <p>Date: 8-29-08</p> <p>Time: 4:20</p>			<p>Received By: [Signature]</p> <p>Date: 8/29/08</p> <p>Time: 4:20</p>			<p>Relinquished By: [Signature]</p> <p>Date: 8/29/08</p> <p>Time: 4:20</p>			
<p>Delivered By: (Circle One)</p> <p>(Sampler) UPS - Bus - Other:</p>			<p>REMARKS: EMAIL RESULTS TO BBAKER@RICESWD.COM CC: SPURVIS@RICESWD.COM</p>						

† 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 7300
MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 590-000183
SERIAL NO: 110-013744
SERIAL NO: 110-12383
SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 5-16-07
FILL DATE: 11-16-07	METER READING ACCURACY: 100

ACCURACY : +/- 2%

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

SAMPLE ID	PID	SAMPLE ID	PID
BLENDED BACKFILL	2.9		
5pt Btm Comp	5.2		
4 Wall Comp	1.3		

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

SIGNATURE:

John Wood

DATE: 8-29-08

CHLORIDE CONCENTRATION CURVE

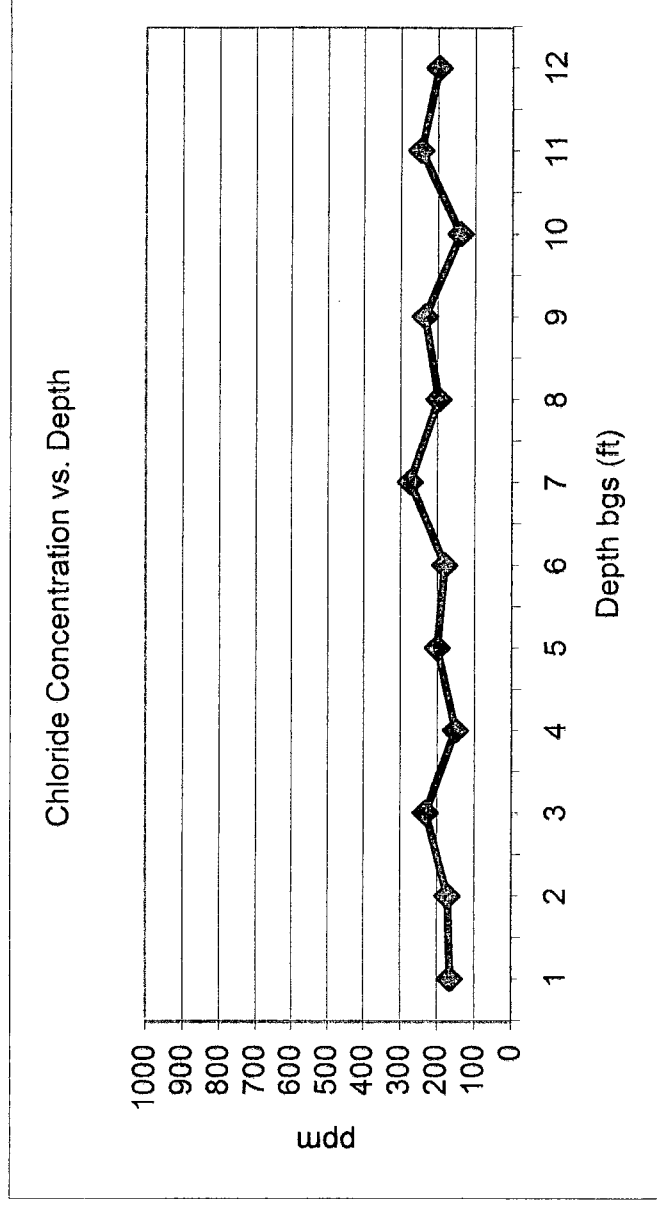
RICE Operating Company

EME Jct. F-9 boot (2 boxes)

Unit 'F', Sec. 9, T20S, R37E

Backhoe samples at 10 ft south of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	165
2	171
3	231
4	151
5	200
6	180
7	273
8	197
9	234
10	140
11	245
12	197



Groundwater = 30 ft