

1R - 427-231

**REPORTS**

**DATE:**

4-1-08

EME Jct P-8-3

1R 427-231

DISCLOSURE

4-1-08

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice-Monument-Eumont (EME)	jct. P-8-3	P	8	T20S	R37E	Lea	no box; junction eliminated		

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

Depth to Groundwater 23 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/30/2007 Date Completed 12/28/2007 NMOCD Witness no

Soil Excavated 9 cubic yards Excavation Length 5 Width 3 Depth 15 feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Location Eunice, New Mexico

FINAL ANALYTICAL RESULTS: Sample Date 12/12/2007 Sample Depth 15 ft

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

**CHLORIDE FIELD TESTS**

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 15 ft BGS	2.3	<10.0	<10.0	624

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at former junction site	5	177
	6	169
	7	168
	8	166
	9	262
	10	482
	11	602
	12	720
	13	690
	14	472
	15	683

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement/upgrade program. After the box lumber was removed, a vertical delineation trench 15-ft-deep was made at the site using a backhoe. Soil samples were collected at every foot of depth below the pipeline and field tested for chloride and organic vapors. PID screenings resulted in low concentrations (<100 ppm), but chloride concentrations generally increased with depth. A grab sample from the bottom of the trench was collected for laboratory analysis which confirmed TPH (non-detect concentrations) meets NMOCD guidelines. The excavated soil from the trench was taken to a disposal facility and 24 cubic yards of clean, imported soils were used to backfill the trench and spread on the surface. This soil was then seeded with a blend of native vegetation on 12/28/2007. NMOCD was notified of potential groundwater impact at this site on 3/13/2008.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, PID field screenings, chloride graph, disposal manifest

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

SITE SUPERVISOR L. Bruce Baker SIGNATURE Bruce Baker COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope  
DATE 3/13/2008 TITLE Project Scientist

\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.



**ARDINAL  
LABORATORIES**

PHONE (575) 393-2326 • 101 E. MARL/ND • HOBBS, NM 88240

COPY

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

Receiving Date: 12/13/07  
Reporting Date: 12/17/07  
Project Owner: NOT GIVEN  
Project Name: EME P-8-3 BOOT  
Project Location: EME P-8-3 BOOT

Sampling Date: 12/12/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: CK/KS

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>12</sub> ) (mg/kg)	DRO (>C <sub>12</sub> -C <sub>28</sub> ) (mg/kg)	CP (mg/kg)
ANALYSIS DATE		12/14/07	12/14/07	12/13/07
H13906-1	SOURCE @ 15' GRAB	<10.0	<10.0	624
Quality Control		526	410	500
True Value QC		500	500	500
% Recovery		105	82.0	100
Relative Percent Difference		<0.1	6.3	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M: Std. Methods 4500-CFB  
\*Analysis performed on a 1:4 w:v aqueous extract.

*Clyde Keene*  
Chemist

*12/17/07*  
Date

H13906TCL 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 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 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.



# Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231

(575) 394-2511

Ticket # 71288

Lease Operator/Shipper/Company: Rice

Lease Name: Em. Pool # 38 (P-8-3 Beat) BB

Transporter Company: Smithfield Log Time \_\_\_\_\_ AM/PM

Date: 12/27/07 Vehicle No. 700 Driver No. \_\_\_\_\_

Charge To: Rice

### TYPE OF MATERIAL

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Produced Water  | <input type="checkbox"/> Drilling Fluids              | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms    | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.:        |
| <input type="checkbox"/> Other Materials | <input type="checkbox"/> BS&W Content:                |  |

Description: Contaminated

- JETOUT  
 CALLOUT

### VOLUME OF MATERIAL

BBLs. 17 YARDS

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 6901, ET SEQ., THE NM HEALTH AND SAF. CODE 361.001 ET SEQ., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

*THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: [Signature]

FACILITY REPRESENTATIVE: [Signature]

COPY

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (505) 393-9174 FAX: (505) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input checked="" 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 type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

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

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. P-8-3 Boat	P	8	205	37E

Source

SAMPLE ID	PID	SAMPLE ID	PID
13'	1.9		
14'	59.7		
15'	2.3		

COPY

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

SIGNATURE: *Bruce Baker*

DATE: 12-12-07

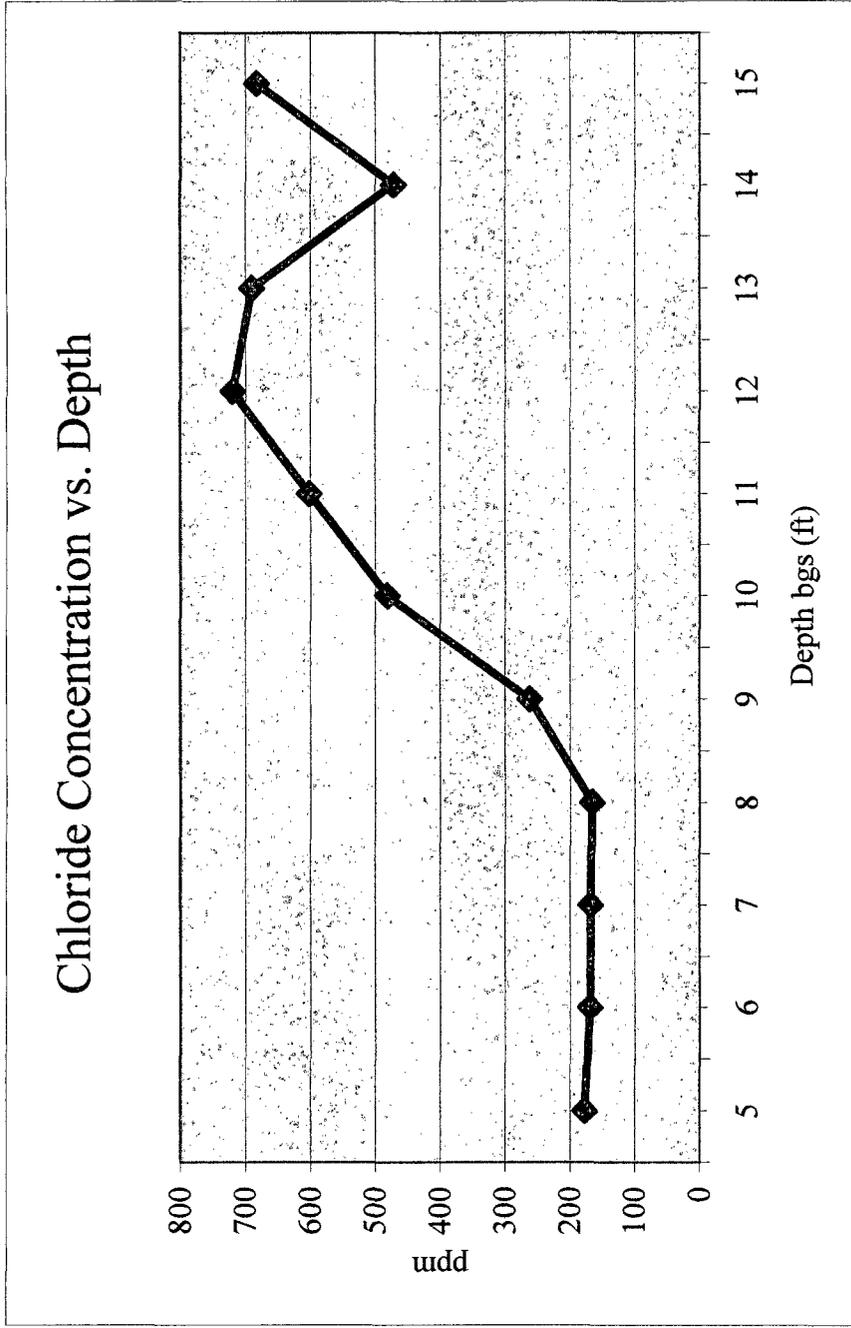
# EME jct. P-8-3

unit 'P', Sec. 8, T20S, R37E

Backhoe samples at junction  
(source)

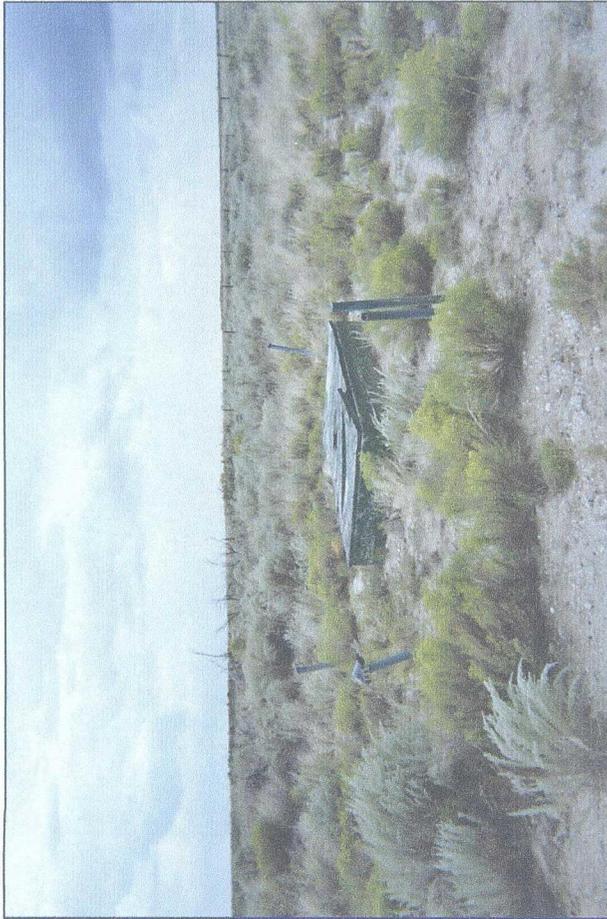
Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
5	177
6	169
7	168
8	166
9	262
10	482
11	602
12	720
13	690
14	472
15	683

Groundwater = 23 ft



# EME P-8-3 boot

Unit P, Section 8, T20S, R37E



undisturbed junction box during initial investigation

8/29/2007



collecting samples from delineation trench

12/11/2007



seeding topsoil spread on site

12/28/2007



close-up of identification plate on backfilled surface

12/28/2007