

1R - 427-257

REPORTS

DATE:

02-03-09

EME Jct M-6

1R427-257

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 (E:ME)	Jct. M-6	M	6	20S	38E	Lea	Length 5'3"	Width 4'	Depth 5'
							eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER SW Cattle Co. OTHER _____

Depth to Groundwater 57 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30*

Date Started 9/17/2008 Date Completed 9/26/2008 OCD Witness no

Soil Excavated 5.0 cubic yards Excavation Length 5 Width 3 Depth 9 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/17/2008 Sample Depth 9 ft

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
SOURCE 9' GRAB	8.2	<25.0	<25.0	32

LOCATION	DEPTH	mg/kg
background	6"	115
vertical delineation trench at the junction (source)	5'	178
	6'	149
	7'	122
	8'	150
	9'	118

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 5x3x9-ft-deep excavation. Chloride field tests performed on each sample yielded low concentrations similar to that of the background sample. Organic vapors measured with a PID also yielded low concentrations. The deepest sample, 9 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was returned to the excavation to ground surface. Clean, imported blow sand was used to top cap and to contour to the surrounding area. On 9/29/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

*Pond located 430 ft northwest of the site.

enclosures: photos, lab results, PID (field) screening, chloride curve

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

SITE SUPERVISOR Eric Garrison SIGNATURE *Eric Garrison* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 2-3-09

EME Jct. M-6

Unit M, Section 6, T20S, R38E



undisturbed junction box, facing northeast

9/17/2008



excavating at former junction site, facing west

9/17/2008



collecting a soil sample, facing east

9/17/2008



seeding and raking backfilled site, facing east

9/29/2008



CARDINAL LABORATORIES

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

RECEIVED

JAN 30 2009

RICE OPERATING
HOBBS, NM

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ERIC GARRISON
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 09/17/08
Reporting Date: 01/26/09*
Project Number: NOT GIVEN
Project Name: EME JCT M-6
Project Location: EME JCT M-6

Sampling Date: 09/17/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/TR

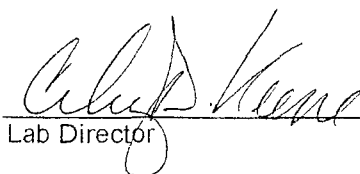
COPY

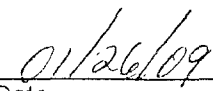
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		09/18/08	09/18/08	09/18/08
H15942-1	*EME JCT M-6 9'	<25.0	<25.0	32
Quality Control		483	477	490
True Value QC		500	500	500
% Recovery		96.6	95.4	98.0
Relative Percent Difference		14.7	19.7	< 0.1

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.

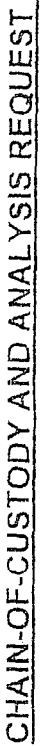
*Revised Report.


Lab Director


Date

H15942 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.



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

† 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.

<input checked="" type="checkbox"/>

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: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	M-6	M	6	209	38E

Initial Source

Back Ground

SAMPLE ID	PID	SAMPLE ID	PID
5'	22.7	6"	11.6
6'	9.7		
7'	5.2		
8'	6.9		
9'	8.2		

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

SIGNATURE:

Eric Garrison

DATE:

9-17-08

CHLORIDE CONCENTRATION CURVE

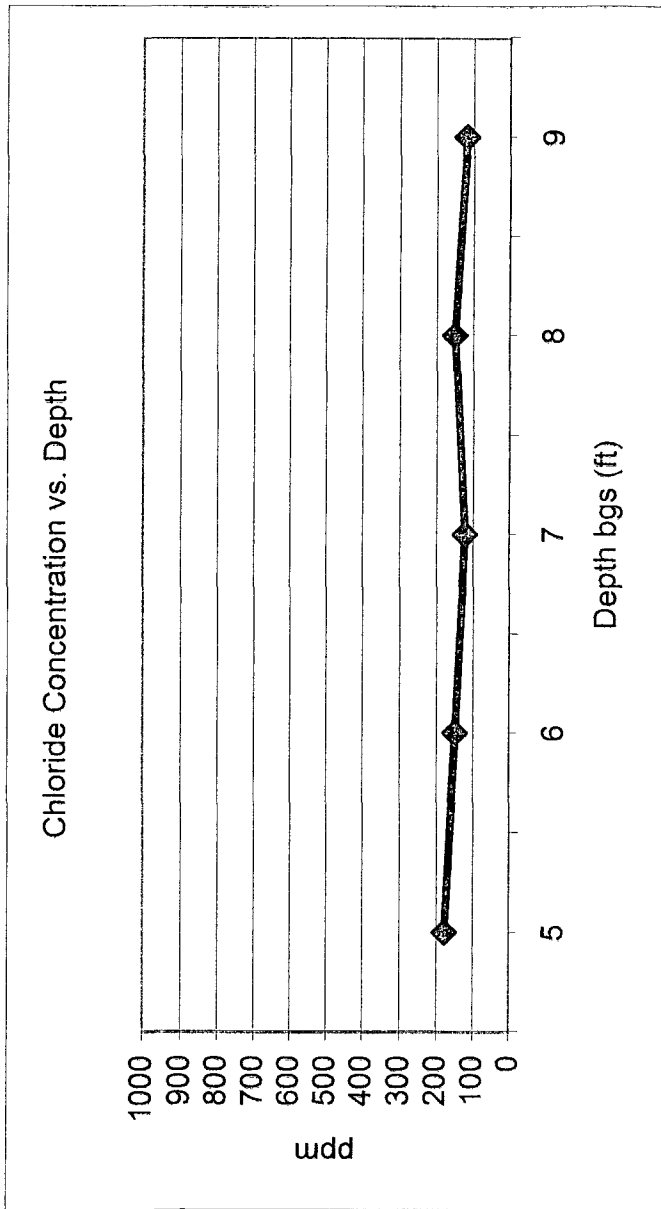
RICE Operating Company

EME Jct. M-6

Unit 'M', Sec. 6, T20S, R38E

Backhoe samples at the junction (source)

Depth bgs (ft)	Cl ppm
5	178
6	149
7	122
8	150
9	118



Groundwater = 57 ft