

1R - 427-371

REPORTS

DATE:

4-9-12

1R427-371

RECEIVED COD

2012 MAY -1 P 1:51

EME E-30 EOL
2011

CLOSURE

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

May 1, 2012

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Termination Request
EME E-30 EOL: UL/E, Sec. 30, T19S, R37E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2011, ROC initiated work on the former E-30 EOL junction box. The site is located in UL/E, Sec. 30, T19S, R37E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 25 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 6x2x8-ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of each. The 8-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of <16 mg/kg, and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The excavated soil was returned to the excavation. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 1/24/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. The junction box final report, laboratory analysis, photo documentation, PID sheet, and chloride graph are attached.

Recommendations

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD

standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a stylized, flowing script.

Hack Conder
Environmental Manager

enclosures

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	E-30 EOL	E	30	19S	37E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 25 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/24/2011 Date Completed 1/24/2011 OCD Witness No

Soil Excavated 3.6 cubic yards Excavation Length 6 Width 2 Depth 8 feet

Soil Disposed None cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 1/24/2011 Sample Depth 8'

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	0.7	<10.0	<10.0	<16

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	111
vertical delineation trench at the junction (source)	4'	56
	5'	117
	6'	120
	7'	118
	8'	116

General Description of Remedial Action: This junction and line were 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 creating a 6X2X8-ft. deep excavation. Chloride field tests performed on each sample yielded concentrations similar to that of the background sample. Organic vapors were measured using a PID, which yielded low concentrations. The deepest sample, 8 ft. BGS, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The excavation was backfilled with excavated soil. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 1/24/2011, 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 graph

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

SITE SUPERVISOR John Harrison SIGNATURE signature not available

REPORT
ASSEMBLED BY Laura Peña SIGNATURE Laura Peña COMPANY RICE OPERATING COMPANY

PROJECT LEADER Larry Bruce Baker, Jr. SIGNATURE Larry Bruce Baker Jr. DATE 4-9-12

EME E-30 EOL

Unit E, Section 30, T19S, R37E



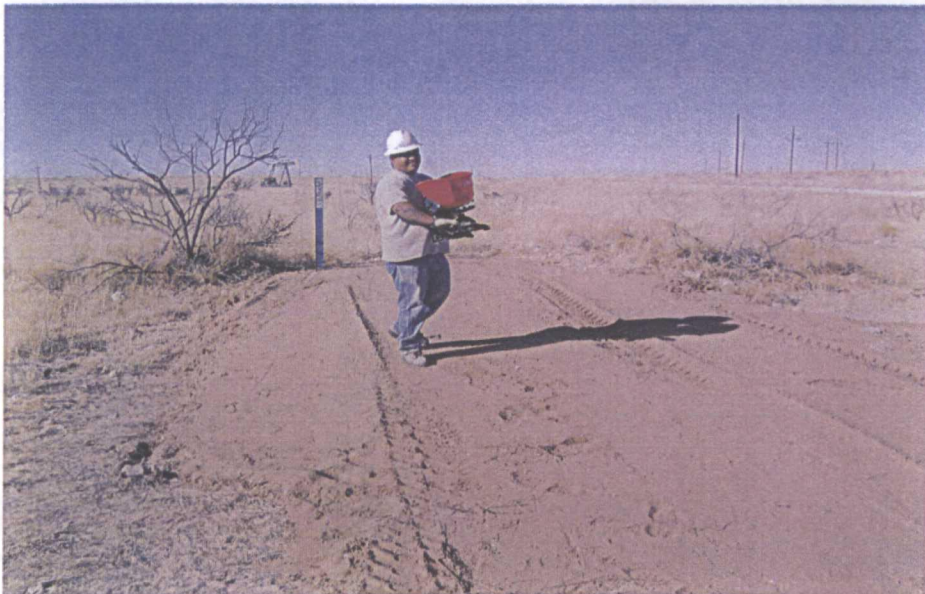
Sampling delineation trench, facing northwest

1/24/2011



Backfilling with clean imported soil, facing north

1/24/2011



Seeding location, facing west

1/24/2011



Site Complete, facing northwest

1/24/2011



January 27, 2011

Bruce Baker
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: EME E-30 EOL (19/37)

Enclosed are the results of analyses for samples received by the laboratory on 01/24/11 16:10.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene
Lab Director/Quality Manager

COPY



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

Analytical Results For:

Rice Operating Company
Bruce Baker
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 01/24/2011
Reported: 01/27/2011
Project Name: EME E-30 EOL (19/37)
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/24/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOURCE @ 8' (H100166-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2011	ND	432	108	400	7.14	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2011	ND	229	91.6	250	4.27	
DRO >C10-C28	<10.0	10.0	01/26/2011	ND	210	84.2	250	3.64	
Surrogate: 1-Chlorooctane	101 %	70-130							
Surrogate: 1-Chlorooctadecane	109 %	70-130							

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

BILL TO				ANALYSIS REQUEST												
Company Name: RICE Project Manager: BRUCE BAKER Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: EME F-30 EOL 19.37 Project Location: Sampler Name: HARRISON				P.O. #:												
Company:				Attn:												
Address:				City:												
State: Zip:				Phone #:												
Fax #:				Fax #:												

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV.	SAMPLING																		
					GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER	ACID/BASE ICE / COOL OTHER	DATE TIME																		
H1001661	SOURCE @ 8'	G	1		<input checked="" type="checkbox"/> SOIL	<input checked="" type="checkbox"/>	11:30 1/24/11	TPLH	CHELOTONE																
														COPY											

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Relinquished By: <u>[Signature]</u>		Date: <u>1/24/11</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____	
Time: <u>4:10</u>		Date: _____		Received By: _____		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: _____	
Relinquished By: _____		Date: _____		Received By: _____		REMARKS: <u>Email</u>			
Delivered By: (Circle One) <u>Sampler</u> - UPS - Bus - Other: _____		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>[Signature]</u>		<u>631-8909-BERT</u>			

RICE OPERATING COMPANY

122 West Taylor 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 : 930737	EXPIRATION DATE: 6-16-2013
FILL DATE:	METER READING ACCURACY: 100PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	E-30 EOL	E	30	19S	37E

SAMPLE ID	PID	SAMPLE ID	PID
SOURCE @ 4'	3.4		
SOURCE @ 5'	2		
SOURCE @ 6'	0.9		
SOURCE @ 7'	0.8		
SOURCE @ 8'	0.7		
BACKGROUND	2.2		

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

SIGNATUE: John R. Harrison

DATE: 1/24/2011

EME E-30 EOL

Unit 'E', Sec. 30, T19S, R37E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
4	56
5	117
6	120
7	118
8	116

Groundwater = 25 ft

