

1R - 427-150

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Monday, September 23, 2013 4:57 PM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-150) Termination - ROC EME Jct J-32 Site

**RE: Termination Request
for the Rice Operating Company's
EME Jct J-32 Site
Unit Letter J, Section 32, T19S, R37E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-150) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated September 12, 2013 (received September 16, 2013). The report is acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R427-150) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

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

RECEIVED OGD

SEP 16 10 14 AM

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8944

September 12, 2013

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 Jct. J-32 (1R427-150): UL/J, Sec. 32, 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 2004, ROC initiated work on the former J-32 junction box. The site is located in UL/J, Sec. 32, 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 10x10x6 ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of both. The excavated soil was blended on site and representative composite samples of the excavation walls, bottom and remediated backfill were sent to a commercial for analysis of chloride and TPH, resulting in a sidewalls chloride concentration of 191 mg/kg and concentrations of gasoline range organics (GRO) concentration and diesel range organics (DRO) below detectable limits. The bottom composite resulted in a chloride concentration of 106 mg/kg and concentrations of GRO and DRO below detectable limits. The remediated backfill resulted in a chloride concentration of 213 mg/kg and concentrations of GRO and DRO below detectable limits. The excavation was backfilled with the remediated soil to ground surface and contoured to the surrounding area. On 10/4/2004, the site was seeded with a blend of native vegetation.

The surrounding, nearby vegetation has rebounded at this site. Vegetation will act as an evapo-transpiration barrier that will also inhibit the downward migration of chlorides and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone. A new watertight junction box was built at the same location.

The junction box site location map, area map, final report, photodocumentation, laboratory analysis and current photodocumentation 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.

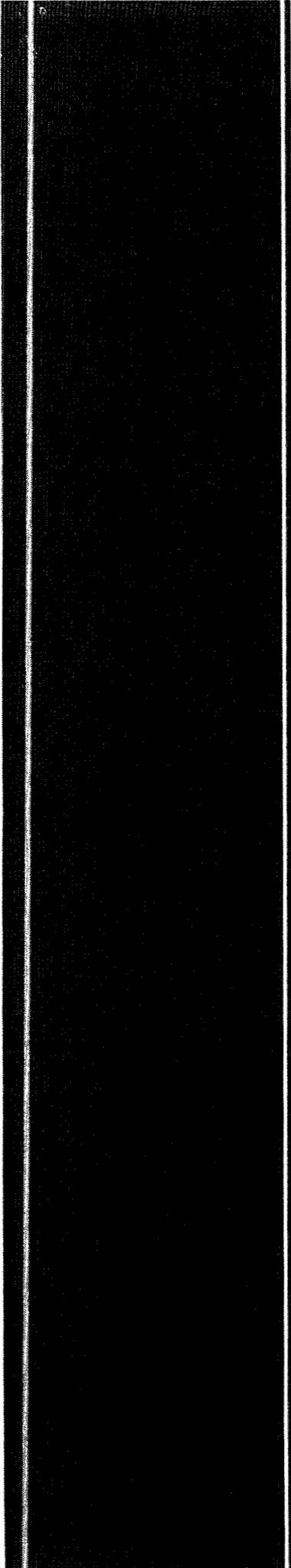
Please contact Hack Conder or me at (575)393-2967 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company



Laura Flores
Environmental Project Assistant Manager

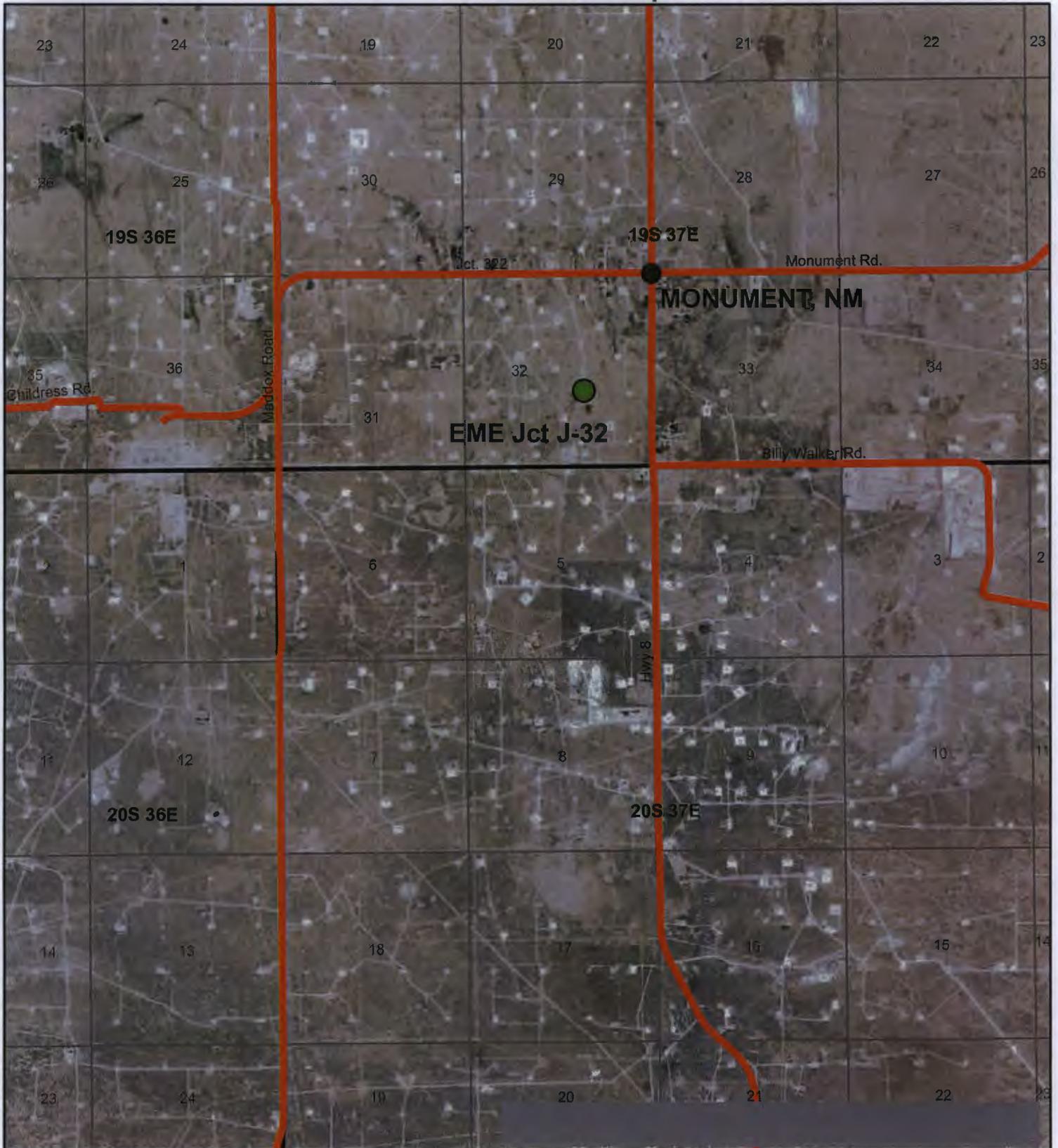
enclosures



Site Maps

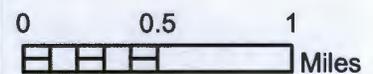
RICE *Operating Company* (ROC)
419 West Cain Hobbs, NM 88240
Phone: (575) 393-2967 Fax: (575) 393-0293

Site Location Map

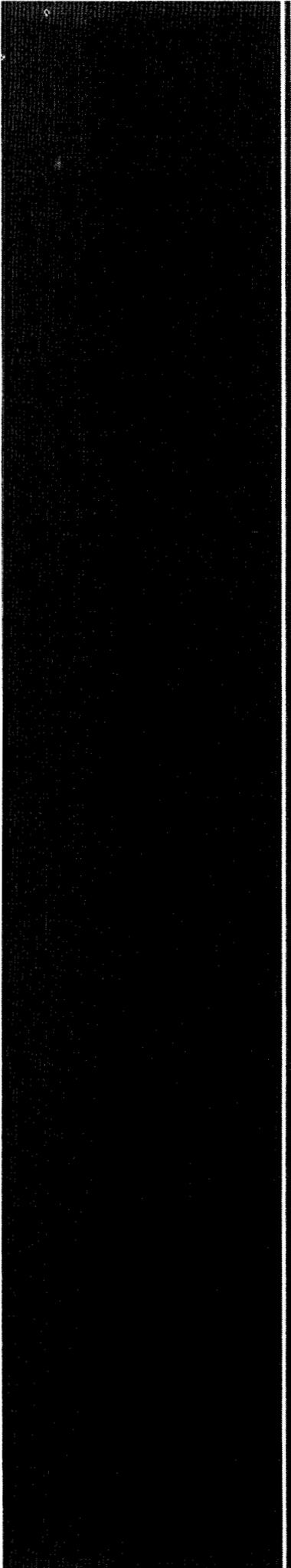


**EME Jct. J-32
(1R427-150)**

UL/J SECTION 32
T19S, R37E
LEA COUNTY, NM



Drawing date: 9/9/13 LS



Junction Box Report

RICE *Operating Company* (ROC)
419 West Cain Hobbs, NM 88240
Phone: (575) 393-2967 Fax: (575) 393-0293

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	J-32	J	32	19S	37E	Lea	6	5	5

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Edwin Johnston OTHER _____

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

Date Started 7/23/2004 Date Completed 8/10/2004 OCD Witness No

Soil Excavated 22 cubic yards Excavation Length 10 Width 10 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 7/26/2004 Sample Depth 6-7 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	191
BOTTOM COMP.	0.0	<10.0	<10.0	106
REMED. BACKFILL	0.0	<10.0	<10.0	213

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical	6	270
at jct.	7	240
5 ft North	wall comp.	180
5 ft South	wall comp.	180
5 ft East	wall comp.	230
5 ft West	wall comp.	270
4-wall comp.	0-6	330
bottom comp.	6-7	210
remed. backfill	n/a	210
background	0	88

General Description of Remedial Action: Initial assessment of this junction box included no physical evidence of hydrocarbon or chloride impact. The lumber was removed and excavation and delineation was performed with a backhoe while field screenings were conducted for chloride and VOC's. Field tests yielded low chloride concentrations, similar to background levels. All PID readings were 0.0 except one at 6 ft, which was 1.1 ppm. TPH guidelines were met within the 10 x 10 x 6-ft-deep excavation, as concentrations were non-detect in laboratory samples. The excavated soil was blended on site and then backfilled into the hole. A new watertight junction box has been built over this location.

enclosures: photos, lab results, PID screenings

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

SITE SUPERVISOR Rob Elam SIGNATURE *Rob Elam* COMPANY Curt's Environmental—Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

DATE 9/17/2004 TITLE Project Scientist

EME jct. J-32

unit 'J', Sec. 32, T19S, R37E



undisturbed junction box

7/26/2004



delineation & excavation

7/26/2004



delineation & excavation

7/26/2004



backfilling

8/10/2004



compacted floor ready for box

8/31/2004



completed watertight junction box

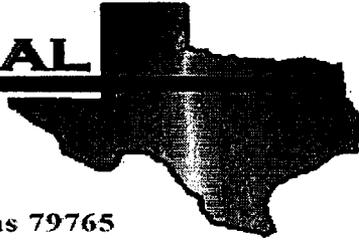
9/1/2004



seeding disturbed surface

10/4/2004

E NVIRONMENTAL
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: Jct. J-32

Project Number: None Given

Location: EME

Lab Order Number: 4G29015

Report Date: 08/04/04

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-32
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/04/04 15:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
6' Bottom Comp.	4G29015-01	Soil	07/26/04 11:30	07/29/04 15:17
Wall Comp.	4G29015-02	Soil	07/26/04 11:30	07/29/04 15:17
Backfill Comp.	4G29015-03	Soil	07/26/04 11:30	07/29/04 15:17

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: Jct. J-32 Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471 Reported: 08/04/04 15:24
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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Bottom Comp. (4G29015-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG42909	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		99.6 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		99.2 %		70-130	"	"	"	"	
Wall Comp. (4G29015-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG42909	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		94.8 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		101 %		70-130	"	"	"	"	
Backfill Comp. (4G29015-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG42909	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		78.2 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		73.8 %		70-130	"	"	"	"	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-32
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/04/04 15:24

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Bottom Comp. (4G29015-01) Soil									
Chloride	106	20.0	mg/kg Wet	2	EH40406	07/30/04	08/03/04	SW 846 9253	
% Solids	77.0		%	1	EH40206	07/30/04	07/30/04	% calculation	
Wall Comp. (4G29015-02) Soil									
Chloride	191	20.0	mg/kg Wet	2	EH40406	07/30/04	08/03/04	SW 846 9253	
% Solids	87.0		%	1	EH40206	07/30/04	07/30/04	% calculation	
Backfill Comp. (4G29015-03) Soil									
Chloride	213	20.0	mg/kg Wet	2	EH40406	07/30/04	08/03/04	SW 846 9253	
% Solids	80.0		%	1	EH40206	07/30/04	07/30/04	% calculation	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-32
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/04/04 15:24

**Organics by GC - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EG42909 - Solvent Extraction (GC)

Blank (EG42909-BLK1)		Prepared: 07/29/04 Analyzed: 08/03/04								
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	40.4		mg/kg	50.0		80.8	70-130			
Surrogate: 1-Chlorooctadecane	35.3		"	50.0		70.6	70-130			

LCS (EG42909-BS1)		Prepared: 07/29/04 Analyzed: 08/03/04								
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	428	10.0	"	500		85.6	75-125			
Total Hydrocarbon C6-C35	839	10.0	"	1000		83.9	75-125			
Surrogate: 1-Chlorooctane	57.4		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	38.2		"	50.0		76.4	70-130			

Calibration Check (EG42909-CCV1)		Prepared: 07/29/04 Analyzed: 08/03/04								
Gasoline Range Organics C6-C12	420		mg/kg	500		84.0	80-120			
Diesel Range Organics >C12-C35	420		"	500		84.0	80-120			
Total Hydrocarbon C6-C35	840		"	1000		84.0	80-120			
Surrogate: 1-Chlorooctane	57.0		"	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	52.3		"	50.0		105	70-130			

Matrix Spike (EG42909-MS1)		Source: 4G29007-63		Prepared: 07/29/04 Analyzed: 08/03/04						
Gasoline Range Organics C6-C12	476	10.0	mg/kg dry	568	ND	83.8	75-125			
Diesel Range Organics >C12-C35	558	10.0	"	568	ND	98.2	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1140	ND	90.4	75-125			
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	48.3		"	50.0		96.6	70-130			

Matrix Spike Dup (EG42909-MSD1)		Source: 4G29007-63		Prepared: 07/29/04 Analyzed: 08/03/04					
Gasoline Range Organics C6-C12	483	10.0	mg/kg dry	568	ND	85.0	75-125	1.46	20
Diesel Range Organics >C12-C35	521	10.0	"	568	ND	91.7	75-125	6.86	20
Total Hydrocarbon C6-C35	1000	10.0	"	1140	ND	87.7	75-125	2.96	20
Surrogate: 1-Chlorooctane	53.5		mg/kg	50.0		107	70-130		
Surrogate: 1-Chlorooctadecane	44.9		"	50.0		89.8	70-130		

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-32
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
08/04/04 15:24

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EH40206 - General Preparation (Prep)

Blank (EH40206-BLK1) Prepared & Analyzed: 07/30/04

% Solids	100		%							
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Duplicate (EH40206-DUP1) Source: 4G29012-01 Prepared & Analyzed: 07/30/04

% Solids	87.0		%		88.0			1.14	20	
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Batch EH40406 - Water Extraction

Blank (EH40406-BLK1) Prepared & Analyzed: 08/03/04

Chloride	ND	20.0	mg/kg Wet							
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Matrix Spike (EH40406-MS1) Source: 4G29015-01 Prepared: 07/30/04 Analyzed: 08/03/04

Chloride	564	20.0	mg/kg Wet	500	106	91.6	80-120			
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Matrix Spike Dup (EH40406-MSD1) Source: 4G29015-01 Prepared: 07/30/04 Analyzed: 08/03/04

Chloride	553	20.0	mg/kg Wet	500	106	89.4	80-120	1.97	20	
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Reference (EH40406-SRM1) Prepared & Analyzed: 08/03/04

Chloride	4940		mg/kg	5000		98.8	80-120			
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Jct. J-32
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/04/04 15:24

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

8-04-04

Raland K. Tuttle, QA Officer

James L. Hawkins, Chemist/Geologist

Celey D. Keene, Lab Director, Org. Tech Director

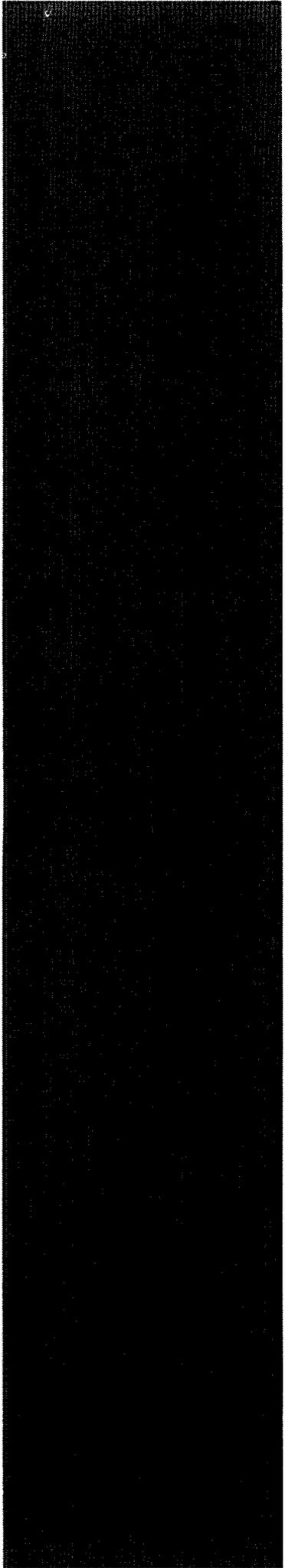
Sara Molina, Chemist

Jeanne Mc Murrey, Inorg. Tech Director

Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.



Current Photodocumentation

RICE *Operating Company* (ROC)
419 West Cain Hobbs, NM 88240
Phone: (575) 393-2967 Fax: (575) 393-0293

EME Jct. J-32 (1R427-150)

UL/J, Section 32, T19S, R37E



Facing South

7/3/2013



Facing West

7/3/2013