

1R - 427-367

**REPORTS**

**DATE:**

4-10-12

1R427-367

RECEIVED OGD

2012 MAY -1 P 1:50

EME P-18 EOL  
2011

DISCLOSURE

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	P-18 EOL	P	18	19S	37E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/26/2011 Date Completed 2/14/2011 OCD Witness No

Soil Excavated 44.4 cubic yards Excavation Length 10 Width 10 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 2/14/2011 Sample Depth 12'

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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	5.7	82.3	1,100	16
BOTTOM COMP.	5.7	76.0	1,780	16
BLENDED BACKFILL	6.7	76.3	1,080	16

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	148
4-WALL Comp	n/a	148
Bottom Comp	12'	148
Blended Backfill	n/a	151
Vertical delineation trench at the former junction (source)	3'	111
	4'	146
	5'	140
	6'	84
	7'	149
	8'	116
	9'	118
	10'	122
	11'	94
	12'	90

**General Description of Remedial Action:** This junction box 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 producing a 10x10x12 ft deep excavation. Chloride field tests were performed on soil samples which yielded low chloride. Organic vapors were measured using a PID which yielded elevated concentrations. The excavated soil was blended on site and representative composite samples were collected from the excavation walls, the excavation bottom, and the blended backfill. The samples were sent to a commercial laboratory for analysis of chloride and TPH. Sample analysis showed elevated levels of TPH. The excavation was backfilled with the blended soil to ground surface and contoured to the surrounding area. On 3/2/2012, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 3/13/2012.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

Enclosures: photos, lab results, PID (field) screenings, chloride graph, revegetation form

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

SITE SUPERVISOR Oscar Frayre SIGNATURE \_\_\_\_\_

REPORT ASSEMBLED BY Laura Peña SIGNATURE \_\_\_\_\_

PROJECT LEADER Larry Bruce Baker, Jr. SIGNATURE \_\_\_\_\_

COMPANY RICE OPERATING COMPANY

DATE 4-10-12

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

# EME P-18 EOL

Unit P, Section 18, T19S, R37E



Excavating site

1.26.11



Collecting sample

2.14.11



Blending backfill

2.14.11



Seeding site

3.2.12



February 18, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME P-18 EOL (19/37)

Enclosed are the results of analyses for samples received by the laboratory on 02/15/11 8:09.

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

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### Analytical Results For:

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

Received: 02/15/2011  
Reported: 02/18/2011  
Project Name: EME P-18 EOL (19/37)  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/14/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: 4 WALL COMP (H100299-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/16/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	82.3	50.0	02/15/2011	ND	206	103	200	1.92	
DRO >C10-C28	1100	50.0	02/15/2011	ND	213	107	200	1.36	
Surrogate: 1-Chlorooctane		107 %	70-130						
Surrogate: 1-Chlorooctadecane		104 %	70-130						

### Sample ID: 5 PT BOTTOM COMP (H100299-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/16/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	76.0	50.0	02/15/2011	ND	206	103	200	1.92	
DRO >C10-C28	1780	50.0	02/15/2011	ND	213	107	200	1.36	
Surrogate: 1-Chlorooctane		110 %	70-130						
Surrogate: 1-Chlorooctadecane		104 %	70-130						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 02/15/2011  
 Reported: 02/18/2011  
 Project Name: EME P-18 EOL (19/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 02/14/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BLENDED BACKFILL COMP (H100299-03)**

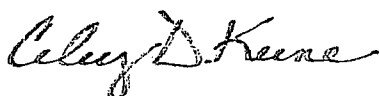
Chloride, SM4500Cl-B			mg/kg		Analyzed By: LR				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/16/2011	ND	416	104	400	0.00	
TPH 8015M			mg/kg		Analyzed By: AB				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	76.3	50.0	02/15/2011	ND	206	103	200	1.92	
DRO >C10-C28	1080	50.0	02/15/2011	ND	213	107	200	1.36	
Surrogate: 1-Chlorooctane	105 %	70-130							
Surrogate: 1-Chlorooctadecane	98.2 %	70-130							

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Celey D. Keene, Lab Director/Quality Manager

**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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

Company Name: <u>Acce</u>		Project Manager: <u>Mark Conder</u>		Address: <u>1325 74th</u>		City: <u>Holmes</u> State: <u>Id</u> Zip: <u>83824</u>		Phone #: _____ Fax #: _____		Project #: _____ Project Owner: _____		Project Name: <u>EME D-18 EOL 19-37</u>		Project Location: _____		Sampler Name: <u>Peter Frazier</u>	
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		C/PAS OR C/COMP		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE ICE / COOL OTHER:		DATE TIME			
H100299-1		4 Wall Comp		C		C		1		X				2-14-11 5:55			
2		5, 21 Bottom Comp		C		C		1		X				2-14-11 5:40			
3		Blended Backfill Comp		C		C		1		X				2-14-11 2:20			

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and plaintiff's exclusive remedy for any claim arising out of or based on conflict of card, will be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. In the event that Cardinal be held liable for incidental or consequential damages, including without limitation, business interruptions, loss of time, or loss of profits incurred by client, its subsidiaries, affiliates or successors within 60 days of the date of the performance of a service hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>		Date: <i>2-15-11</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <i>8:09</i>			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	REMARKS:
Relinquished By: <i>[Signature]</i>		Date:	Received By:	<i>1. London @ 11:00 - 11:15 AM</i>
Time:				<i>2. Bus @ 11:15 - 11:30 AM</i>
Delivered By: (Circle One)		Sample Condition		CHECKED BY:
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>

† Cardinal cannot accept verbal changes. Please fax written changes to 505:393-2426

# 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 : 930132	EXPIRATION DATE: 4-28-13
METER READING ACCURACY: 100.00	

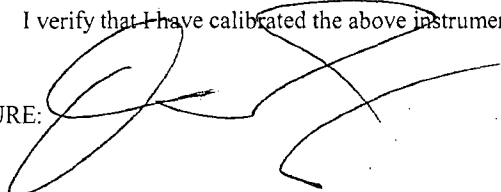
ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	P-18 EOL	P	18	19S	37E

SAMPLE ID	PID	SAMPLE ID	PID
5 Pt. Bottom Composite	5.7		
4 Wall Composite	5.7		
Blended Backfill	6.7		

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

SIGNATURE:



DATE: 2/14/2011

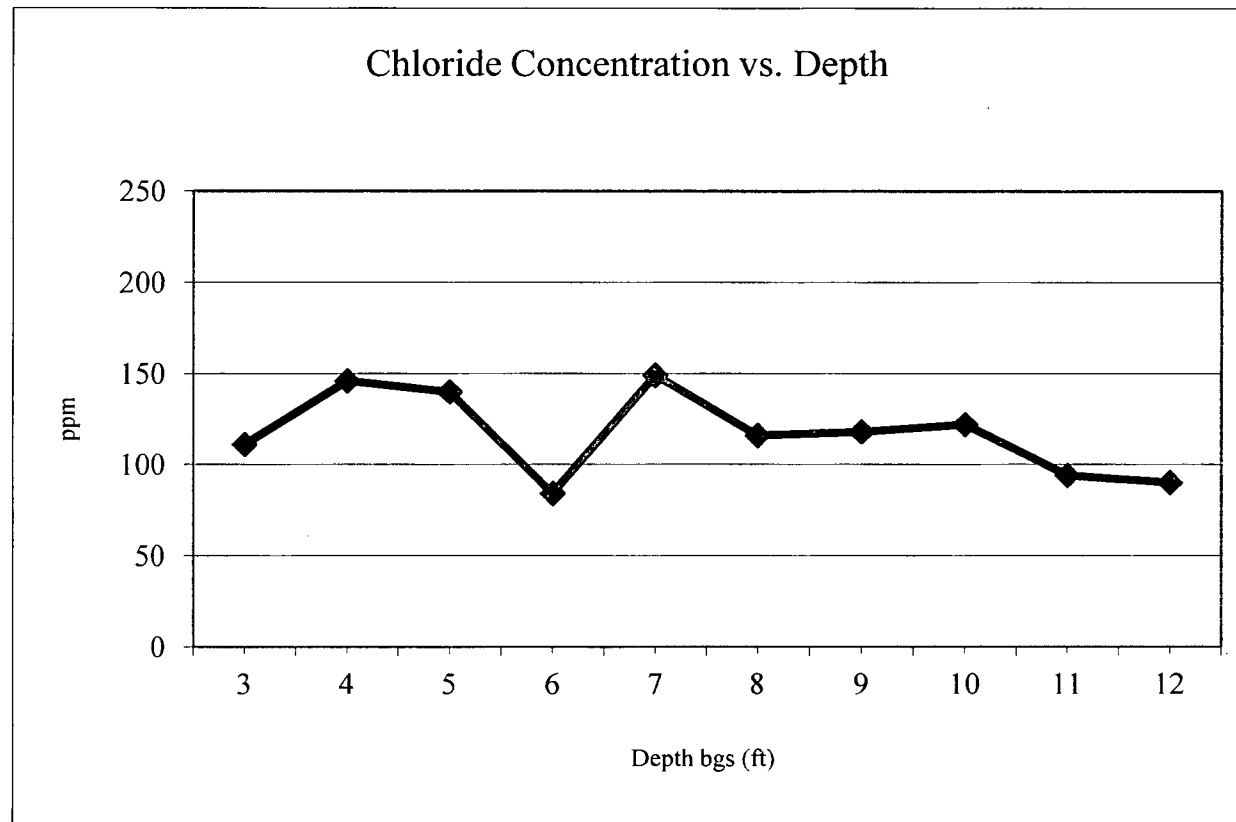
**EME P-18 EOL**

Unit 'P', Sec. 18, T19S, R37E

*Backhoe samples at junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
3	111
4	146
5	140
6	84
7	149
8	116
9	118
10	122
11	94
12	90

Groundwater = 35 ft





PO Box 5630  
Hobbs, NM 88241  
Phone: (575) 393-4411  
Fax: (575) 393-0293

## VEGETATION FORM

### 1. General Information

Site name: EME P-18 EOL						
U/L P	Section 18	Township 19S	Range 37E	County Lea	Latitude N 32*.65721'	Longitude W 103*28417'
Contact Name: Zack Conder						
Email: <a href="mailto:zconder@rice-ecs.com">zconder@rice-ecs.com</a>						
Site size: 2,200		square feet		Map detail of site attached <input type="checkbox"/>		
Additional information:						

### 2. Soils

*\*Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):
Texture: Sandy		Describe soil & subsoil: Blow sand and subsoil caliche		
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed:				

### 3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:	Describe:	
Lbs/acre:		

### 4. Seeding

*\*Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 2 lbs blue grama	Seedingdate: 3-2-11
Broadcast <input checked="" type="checkbox"/>			
Method: Portable seeder			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations:		
Number of photos:			

### 5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: OSCAR PRAYRE	Title: Environmental Tech.	Date: 3-2-11
Signature:		

COPY