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REPORTS

DATE:



EME Jct L-16

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MAR 2 5 7039 Environmental Bureau Oil Conservation Division

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RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

SWD SYSTEM JUNCTION UNIT SECTION TOWNSHIP RANGE COUNTY BOX DIMENSIONS - FEET Eunice Monument Jct. L-16 L 16 20S 37E Lea Length Width Depth Eumont (EME) Jct. L-16 L 16 20S 37E Lea Length Width Depth LAND TYPE: BLM STATE X FEE LANDOWNER OTHER	NAL ANALYT	ICAL RE	SULTS:	Sample	e Date	11/15/20	07	Sample De	oth	16 ft.	
Eunice Monument Eumont (EME) Jct. L-16 L 16 20S 37E Lea Length Width Depth LAND TYPE: BLMSTATE_X FEE LANDOWNER OTHER Depth to Groundwater 20 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20 Date Started 11/15/2007 Date Completed 11/19/2007 OCD Witness no	Soil Disposed	00	cubic yar	ds Off	site Facility	<u>r</u>	n/a	_ Location		n/a	
Eunice Monument Eumont (EME) Jct. L-16 L 16 20S 37E Lea Length Width Depth LAND TYPE: BLM STATE X FEE LANDOWNER OTHER Depth to Groundwater 20 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20	Soil Excavated	n/a	cubic yar	ds Exc	avation Le	ngthn/a	a Width	n <u>n/a</u>	Depth	n/a	_feet
Eunice Monument Eumont (EME) Jct. L-16 L 16 20S 37E Lea Length Width Depth LAND TYPE: BLMSTATE_X FEE LANDOWNER OTHER	Date Started	11/15	/2007	Date Cor	npleted	11/19/2007	7 OCD	Witness	n	o	
Eunice Monument Eumont (EME) Jct. L-16 L 16 20S 37E Lea Length Width Depth	Depth to Grour	ndwater	20	feet	NMOCE	SITE ASS	ESSMENT	RANKING S	CORE:	20	
Eunice Monument Ict I = 16 16 20S 37E Lea	LAND TYPE: E	3LM	STATE X	FEE LA	NDOWNER			OTHER			
Evice Manumath Length Width Depth		Jct. L-16	L	16	208	37E	Lea		eliminated	1	
SWD SYSTEM LIUNCTION UNIT SECTION TOWNSHIP RANGE COUNTY BOX DIMENSIONS - FEET					000	0.70		Length	Width	Dep	oth
	SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	T COUNTY	BOXD	IMENSION	S - FEET	

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 16' GRAB	0.8	<10.0	<10.0	272
BACKFILL	0.0	<10.0	<10.0	48

General Description of Remedial Action:

This junction box was eliminated during

CHLORIDE FIELD TESTS

the pipeline replacement/upgr	ade project. A hand auger was used to collect samples
at regular intervals. Field data	a suggest that the site is low in organic vapors, and
chloride concentrations in the	soil are similar to that of the background soil sample.
The deepest sample (16' bgs)	was sent to a commercial laboratory for analysis,
which confirmed that the site i	is low in chloride and organics. On 11/19/2007, site was
backfilled and controured to th	ne surrounding area. On 11/20/2007 the disturbed area
was seeded with a blend of na	ative vegitation and is expected to return to productive
capacity at a normal rate.	

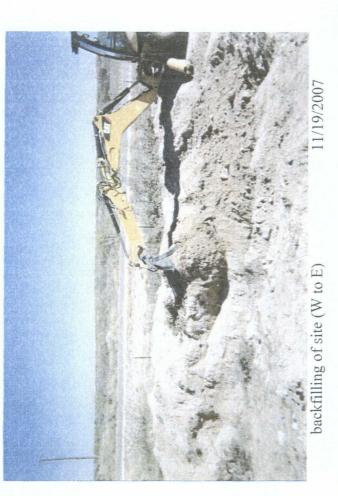
LOCATION	DEPTH	mg/kg
background	6"	209
	10'	445
	11'	504
hand auger	12'	436
below junction	13'	1004
(source)	14'	927
	15'	438
	16'	284
backfill comp.	n/a	155

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

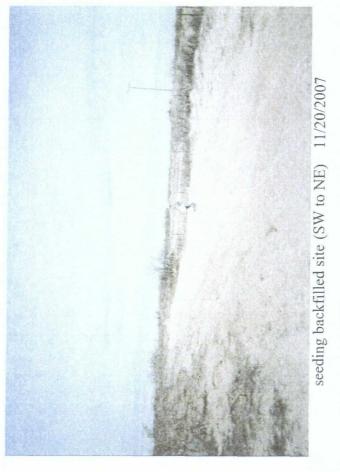
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REPORT ASSEMBLED BY	Katie Jones		COMPANY	RICE OPERATING COMPANY	
SITE SUPERVISOR	Larry Bruce Baker Jr.	_	SIGNATURE	Larry Bruce Bacher fr.	_
DATE_	7-2-08		TITLE_	PROJECT LEADER	





Unit L, Section 16, T20S, R37E







11/20/2007

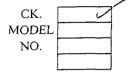
11/20/2007

completed site

RICE OPERATING COMPANY

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





MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 110-013676 SERIAL NO: 110-013744 SERIAL NO: 110-12383 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. L-16	L	16	205	37E

.

Source		BACKGround SAMPLEID	
SAMPLE ID	PID	Ø SAMPLE ID	PID
10'	3.6	6"	2.2
117	1.3		
12'	2.7		
13 ⁱ 14 ⁱ 15 ⁱ	22.3		
141	6.9		
15'	1.3		
16'	0.8		

I verify that I have calibrated the above insrument in accordance to the namufacture operation manual.

SIGNATUE:

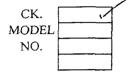
Bruce Baher

11-15-07 DATE:

RICE OPERATING COMPANY COPY



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



MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600

SERIAL NO: 110-013676 SERIAL NO: 110-013744 SERIAL NO: 110-12383 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: /D/ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jet. 2-16	L	16	205	37E

Rockfill

SAMPLE ID	PID	SAMPLE ID	PID
SAMPLE ID BACKFill	0		
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······			
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I verify that I have calibrated the above insrument in accordance to the namufacture operation manual.

SIGNATUE:

Bruce Baker

DATE: //-//6-07



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

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

NOV 2 6 2007

er opill Possa

Sampling Date: 11/15/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: CK Analyzed By: CK/KS

DRO

536

500

107

< 0.1

500

500

100

< 0.1

Receiving Date: 11/16/07 Reporting Date: 11/19/07 Project Owner: NOT GIVEN Project Name: EME JCT, L-16 Project Location: EME JCT. L-16

Quality Control

True Value QC

% Recovery

LAB NUMBE	ER SAMPLE ID	(C ₆ -C ₁₂ ) (mg/kg)	(>C ₁₂ -C ₂₈ ) (mg/kg)	Cl* (mg/kg)
ANALYSIS [	DATE	11/16/07	11/16/07	11/16/07
H13731-1	SOURCE @ 16'	<10.0	<10.0	272

GRO

511

500

102

1.9

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

Voede

Relative Percent Difference

19/11-

H13731TCL 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.

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# COPY CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393	(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 F/	FAX (325)673-7020			
Company Name: S	· · · · · · · · · · · · · · · · · · ·	BILLIO		ANAI VSIS DECITECT	
Project Manager: Bruck	Baker	P.O.#:			
Address: 12 Z. WY		Company:	 		
city: $H_{c,b xx}$	State: $dM$ Zip: $\partial \beta 240$	Attn:			
Phone #: $333 - 9174$	1 Fax #: 397 - 1471	Address:			
Project #:	Project Owner:	City:			
Project Name: Emfr	Jet. 6-16	State: Zip:			
Project Location: $EmE$	Jut 2-16	Phone #:	60		
затріег Name: $\mathcal{RAuce}$	84	Fax #:	/		
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING	57		
Lab I.D. Sa	RETAW		୦ନ ୮ -		
		отнея: Асто/выс Остиек: Отнея: <b>DATE</b> <b>TIME</b>	HJ1 _() 		
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Relinquished By:	Date: Date: Received By:	Phone	Phone Result: 🛛 Yes 🗋 No	Add'l Phone #:	
Bruce Balley	Time:	REMARKS:	LI Yes LI	Add'l Fax#:	
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(Sampler) UPS • Bus • Other:	, <b>y z</b> 10 10 10	<i>i</i> )			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



CARDINAL LABORATORIES

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

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

Receiving Date: 11/16/07 Reporting Date: 11/19/07 Project Owner: NOT GIVEN Project Name: EME JCT. L-16 Project Location: EME JCT. L-16

LAB NUM

NOV 2 6 2007

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Sampling Date: 11/16/07 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: SB Analyzed By: CK/KS

	GRO	DRO	
	(C ₆ -C ₁₂ )	(>C ₁₂ -C ₂₈ )	CI*
IBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	11/16/07	11/16/07	11/16/07
H13737-1 BACKFILL	<10.0	<10.0	48
Quality Control	511	536	500
True Value QC	500	500	500
% Recovery	102	107	100
Relative Percent Difference	1.9	<0.1	<0.1

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

Chemist

### H13737TCL 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 protections, to loss of use, or loss of use or is obsident and the applicable 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.

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## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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ARDINAL LABORATORIES	CITAIN-OF-CU31OUT AND ANALTSIS REQUEST	Taia KEQUEAT
10 21 76 (3:	2111 Beechwood, Abilene, TX  79603 (325) 673-7001  FAX (325)673-7020	
Rice Operation co.	O ANALYSIS	REQUEST
Address: 122 West TAYlor	Company:	
City: ドクトンシン State: ハ州 Zip: そのえんご	Attn:	
Phone #: 393 - 9/74 Fax #: 397 - 147/	Address:	
Project #: Project Owner:	City:	
Project Name: $\vec{t}$ , $\vec{M}$ , $\vec{L}$ , $\vec{J}$ , $\vec{L}$ - $i\omega$	State: Zip:	
Project Location: Err) E Jct, L-16	#	
Sampler Name: Bruce BAKer		
	ESERV SAMPLING	
S (C)OMP.		
	отнея: отнея: отнея: отнея: отнея: отнея: отнея: отнея: отнея: отнея:	
	1-16-079	
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CHLORIDE CONCENTRATION CURVE

### RICE Operating Company

## EME Jct. L-16

unit 'L', Sec. 16, T20S, R37E

Hand auger samples at junction (source)

[CI ⁻ ] ppm	445	504	436	1004	927	438	284
Depth bgs (ft)	10	11	12	13	14	15	16

Groundwater = 20 ft

