

1R - 427-305

REPORTS

DATE:

1-28-10

**EME Jct A-11 (5 boxes)
2009**

/R427-305

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

RECEIVED

APP - 6 2010

Environmental Bureau
Oil Conservation DivisionRICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct. A-11 (5 boxes)	A	11	21S	36E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM STATE FEE LANDOWNER Dasco Cattle Co. OTHER

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 3/12/2009 Date Completed 6/12/2009 OCD Witness no

Soil Excavated 1300.0 cubic yards Excavation Length 45 Width 65 Depth 12 feet

Soil Disposed 528 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 5/19/2009, 5/21/2009 Sample Depth 12 ft

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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
6-WALL COMP.	68.9	221	1580	336
BOTTOM COMP.	16.5	<10.0	18.6	320
BLENDED BACKFILL	93.8	22.3	1350	416

LOCATION	DEPTH	mg/kg
6-wall comp	n/a	660
bottom comp	12'	750
blended backfill	n/a	600
background	6"	150
vertical delineation trench at 10 ft south of Jct. A-11	1'	205
	2'	211
	3'	175
	4'	149
	5'	150
	6'	151
	7'	179
	8'	208
	9'	240
	10'	150
	11'	210
	12'	179

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction boxes were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 45x65x12-ft-deep excavation. Chloride field tests were performed on each sample which yielded generally low concentrations. Organic vapors, measured using a PID, yielded some elevated concentrations. The excavated soil was blended on site with clean, imported soil. Representative composite samples were collected from the excavation walls, bottom, and blended backfill. Laboratory analysis of the representative samples yielded low concentrations of chloride and TPH concentrations within NMOCD guidelines. The blended backfill was returned to the excavation and clean, imported soil was used fill the excavation to ground surface and to contoured to the surrounding area. On 6/26/2009, 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 curve

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

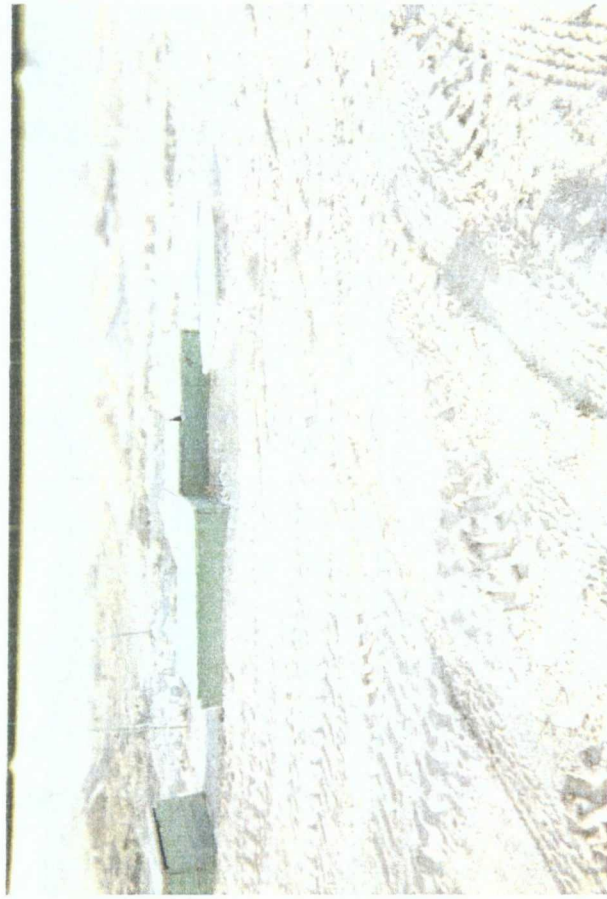
SITE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 1-28-10

EME Jct. A-11

Unit A, Section 11, T21S, R36E



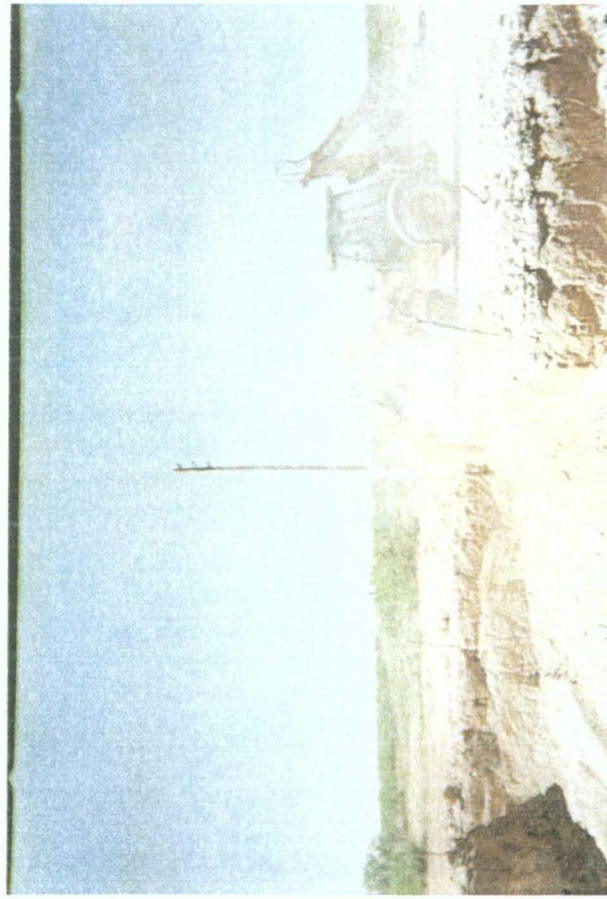
former junction boxes, facing south

2/12/2009



collecting a soil sample

3/12/2009



backfilling the final excavation, facing south

6/11/2009



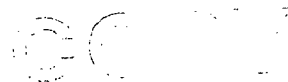
seeding the backfilled excavation

6/26/2009



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

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



Receiving Date: 05/20/09
Reporting Date: 05/21/09
Project Number: NOT GIVEN
Project Name: EME A-11
Project Location: EME A-11

Sampling Date: 05/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
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ANALYSIS DATE	05/20/09	05/20/09	05/20/09
H17459-1 5PT BTTM COMP @ 12	<10.0	18.6	320
H17459-2 6 WALL COMP	221	1,580	336
Quality Control	512	499	500
True Value QC	500	500	500
% Recovery	102	99.8	100
Relative Percent Difference	0.2	0.5	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI-B

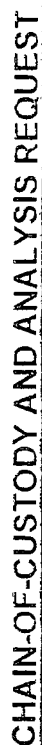
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H17459 TCL RICE

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO ANALYSIS REQUEST																																														
Company Name: <u>Rice Operations</u>		P.O. #:		<div style="text-align: center; font-size: 2em; margin-bottom: 10px;"> <div>701514</div> <div>701514</div> </div> <div style="display: flex; justify-content: space-between;"> <div> <u>Hold until 5/10/08</u> <u>CL- 7</u> </div> <div> <u>4 X</u> <u>4 X</u> </div> </div>																																										
Project Manager: <u>Eric Garrison</u>		Company:																																												
Address: <u>122 W 22 Taylor</u>		Attn:																																												
City: <u>HOUSTON</u>		Address:																																												
Phone # <u>(713) 373-1474</u>		City:																																												
Project #:		State: <u>TX</u>		Zip:																																										
Project Name: <u>EMC A-11</u>		Phone #:																																												
Project Location: <u>EMC A-11</u>		Fax #:																																												
Impeller Name: <u>Eric Garrison</u>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th rowspan="2">PRESERV.</th> <th rowspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>SLUDGE</th> <th>OTHER:</th> </tr> </thead> <tbody> <tr> <td>111459-1</td> <td>SPR68RMCOMP12</td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td>DATE: <u>5-14-08</u> TIME: <u>10:30</u></td> </tr> <tr> <td>-2</td> <td>hwall comp</td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td>DATE: <u>5-14-08</u> TIME: <u>12:30</u></td> </tr> </tbody> </table>								Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	111459-1	SPR68RMCOMP12	1			1				1	DATE: <u>5-14-08</u> TIME: <u>10:30</u>	-2	hwall comp	1			1				1	DATE: <u>5-14-08</u> TIME: <u>12:30</u>
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<p>FOR LAB USE ONLY</p> <p>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 the client for the 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 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.</p>																																														
Relinquished By: <u>Eric Garrison</u>		Received By:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Time:</td> <td></td> </tr> <tr> <td>Date:</td> <td><u>5-10-08</u></td> </tr> <tr> <td>Time:</td> <td><u>3:24</u></td> </tr> </table>						Date:		Time:		Date:	<u>5-10-08</u>	Time:	<u>3:24</u>																													
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Delivered By: (Circle One) <u>Other</u>		Checked By: <u>Eric Garrison</u>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Phone Result:</td> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> </tr> <tr> <td>Fax Result:</td> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> </tr> </table>						Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No																															
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Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No																																												
Sampler - UPS - Bus - Other: <u>Other</u>		REMARKS: <u>Results Barker@rice.swd.com</u> <u>SPurvis@rice.swd.com</u> <u>Egarrison@rice.swd.com</u>																																												

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (575) 393-9174 FAX: (575) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

COPY

Check Model Number:

7

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: 08-3925	EXPIRATION DATE: 08-28-09
FILL DATE: 02-23-08	METER READING ACCURACY: 100-700

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	A-11	A	11	215	36F

SAMPLE ID	PID	SAMPLE ID	PID
6 Wall Comp	168.9		
5PT BTM	16.5		

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

SIGNATURE: *[Signature]*

DATE: 5-13-09



ARDINAL LABORATORIES

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

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

RECEIVED
RICE OPERATING COMPANY
HOBBS, NM

Receiving Date: 05/22/09
Reporting Date: 05/26/09
Project Number: NOT GIVEN
Project Name: EME JCT A-11
Project Location: EME JCT A-11

Sampling Date: 05/21/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₅ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)

ANALYSIS DATE	05/23/09	05/23/09	05/22/09
H17480-1 BLENDED BACKFILL	22.3	1,350	416
Quality Control	535	510	500
True Value QC	500	500	500
% Recovery	107	102	100
Relative Percent Difference	1.3	1.1	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI*

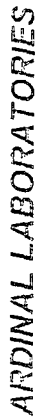
*Analysis performed on 1:4 w:v aqueous extract.

Chemist:

Date: 05/26/09

H17480 TOL RICE

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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PHONE: (575) 393-9174 FAX: (575) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM

PID METER CALIBRATION & FIELD REPORT FORM



Serial No: 590-000504

Serial No: 110-013676

LOT NO: 08-3025	EXPIRATION DATE: 08-29-20
FILL DATE: 02-09-20	METER READING ACCURACY: 100%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
ENR	19-11	7A	11	21S	36E

[illegible]

SIGNATURE:

DATE:

DATE: 5-21-09

CHLORIDE CONCENTRATION CURVE

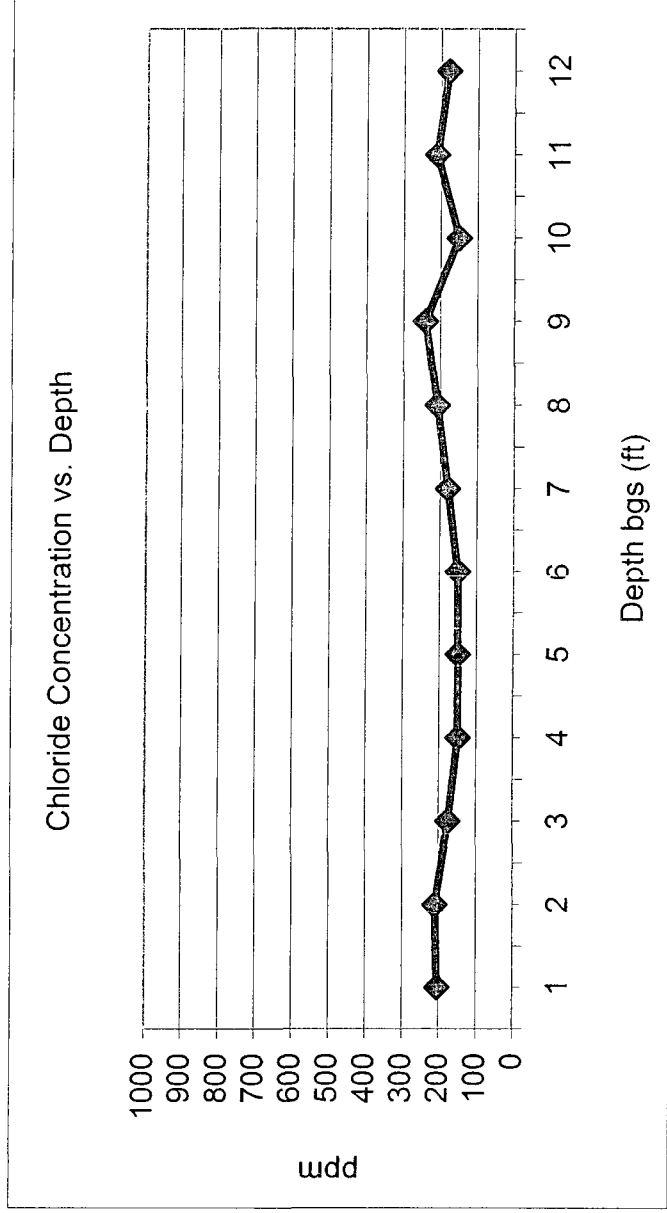
RICE Operating Company

EME Jct. A-11

Unit 'A', Sec. 11, T21S, R36E

Backhoe samples at 10 ft south of the Jct. A-11

Depth bgs (ft)	[Cl ⁻] ppm
1	205
2	211
3	175
4	149
5	150
6	151
7	179
8	208
9	240
10	150
11	210
12	179



Groundwater = 200 ft