

1R - 427-260

REPORTS

DATE:

1-15-09

EME Arco St 'L' EOL

1R427-260

RECEIVED

MAR 25 2009

Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Arco St. 'L' EOL	F	22	21S	36E	Lea	Length	Width	Depth
							eliminated		

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

Depth to Groundwater 128 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 10/21/2008 Date Completed 10/21/2008 OCD Witness no

Soil Excavated 4 cubic yards Excavation Length 5 Width 3 Depth 7 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 10/21/2008 Sample Depth 7 ft

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
SOURCE 7' GRAB	0.0	<10.0	<10.0	<16

LOCATION	DEPTH	mg/kg
background	6"	175
vertical delineation trench at the junction (source)	3'	176
	4'	141
	5'	206
	6'	139
	7'	147

General Description of Remedial Action: This junction box was eliminated during the pipeline replacement/upgrade program. After the former junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 5x3x7-ft-deep excavation. Chloride field tests performed on each sample yielded low concentrations similar to that of the background. Organic vapors measured with a PID also yielded low concentrations. The deepest sample, 7 ft BGS, was analyzed by a commercial laboratory for chloride and TPH, which confirmed low concentrations. The excavated soil was returned to the excavation and contoured to the surrounding area. On 10/28/2008, 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 Jordan Woodfin SIGNATURE *Jordan Woodfin* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 1-15-09

BD Arco St. 'L' EOL

Unit F, Section 22, T21S, R36E



collecting a soil sample, facing north

10/21/2008



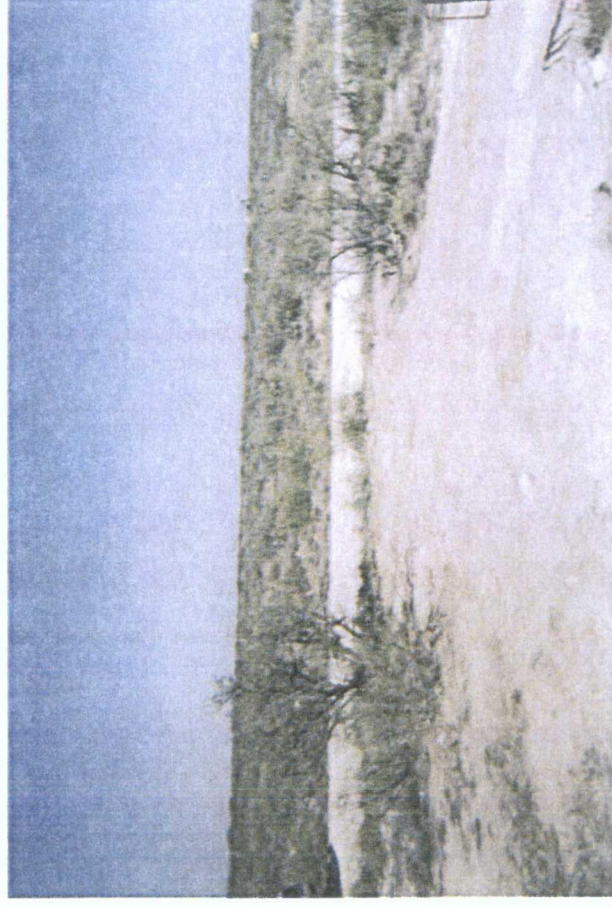
5x3x12-ft delineation trench, facing south

10/21/2008



seeding backfilled site, facing south

10/28/2008



site complete, facing north

10/28/2008



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

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

COPY

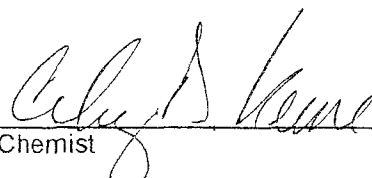
Receiving Date: 10/21/08
Reporting Date: 10/23/08
Project Number: NOT GIVEN
Project Name: EME ARCO ST. "L" EOL
Project Location: EME ARCO ST. "L" EOL

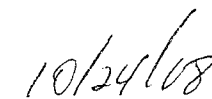
Sampling Date: 10/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		10/23/08	10/23/08	10/23/08
H16162-1	SOURCE BTM GRAB @ 7 FT	<10.0	<10.0	< 16
Quality Control		590	511	500
True Value QC		500	500	500
% Recovery		118	102	100
Relative Percent Difference		1.4	0.5	2.0

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

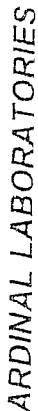
*Analysis performed on a 1:4 w:v aqueous extract.


Chemist


Date

H16162 TCL 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

Company Name: RICE OPERATING Project Manager:		P.O. #:		ANALYSIS REQUEST	
Address: 122 W TAYLOR		Company:		<div style="font-size: 48px; transform: rotate(-45deg); opacity: 0.5;">COPY</div>	
City: HOBBS State: NM Zip: 88240		Attn:			
Phone #: 575-393-9174 Fax #: 575-397-1471		Address:			
Project #:		City:			
Project Name: EME ARCO ST. "L" EOL		State: Zip:			
Project Location: EME ARCO ST. "L" EOL		Phone #:		<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div> <p>Lab I.D. H16162-</p> <p>Sample I.D. Source bkg grab @ 7 ft</p> </div> <div> <p>DATE: 10-21-03</p> <p>TIME: 2:03pm</p> </div> </div> </div>	
Sampler Name: JORDAN WOODFIN		Fax #:			
FOR LAB USE ONLY		MATRIX			
(G)RAB OR (C)OMP.		PRESERV			
# CONTAINERS		SAMPLING			
WASTEWATER		OTHER:		DATE	
GROUNDWATER		ACID/BASE:		TIME	
SOIL		ICE / COOL		OTHER:	
SLUDGE		OTHER:		DATE	
# CONTAINERS		PRESERV		TIME	
(G)RAB OR (C)OMP.		MATRIX		DATE	
WASTEWATER		OTHER:		TIME	
GROUNDWATER		ACID/BASE:		OTHER:	
SOIL		ICE / COOL		DATE	
SLUDGE		OTHER:		TIME	
# CONTAINERS		PRESERV		DATE	
(G)RAB OR (C)OMP.		MATRIX		TIME	
WASTEWATER		OTHER:		DATE	
GROUNDWATER		ACID/BASE:		TIME	
SOIL		ICE / COOL		OTHER:	
SLUDGE		OTHER:		DATE	
# CONTAINERS		PRESERV		TIME	
(G)RAB OR (C)OMP.		MATRIX		DATE	
WASTEWATER		OTHER:		TIME	
GROUNDWATER		ACID/BASE:		OTHER:	
SOIL		ICE / COOL		DATE	
SLUDGE		OTHER:		TIME	
# CONTAINERS		PRESERV		DATE	
(G)RAB OR (C)OMP.		MATRIX		TIME	
WASTEWATER		OTHER:		DATE	
GROUNDWATER		ACID/BASE:		TIME	
SOIL		ICE / COOL		OTHER:	
SLUDGE		OTHER:		DATE	
# CONTAINERS		PRESERV		TIME	
(G)RAB OR (C)OMP.		MATRIX		DATE	
WASTEWATER		OTHER:		TIME	
GROUNDWATER		ACID/BASE:		OTHER:	
SOIL		ICE / COOL		DATE	
SLUDGE		OTHER:		TIME	
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SOIL		ICE / COOL		OTHER:	
SLUDGE		OTHER:		DATE	
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GROUNDWATER		ACID/BASE:		OTHER:	
SOIL		ICE / COOL		DATE	
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SOIL		ICE / COOL		OTHER:	
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(G)RAB OR (C)OMP.		MATRIX		DATE	
WASTEWATER		OTHER:		TIME	
GROUNDWATER		ACID/BASE:		OTHER:	
SOIL		ICE / COOL		DATE	
SLUDGE		OTHER:		TIME	
# CONTAINERS		PRESERV		DATE	
(G)RAB OR (C)OMP.		MATRIX			

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK.	
MODEL	
NO.	✓

MODEL: PGM 7300

SERIAL NO: 590-000183

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600

SERIAL NO: 110-023920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 02-3425	EXPIRATION DATE: 8-29-09
FILL DATE: 2-29-03	METER READING ACCURACY: 101

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	ARLO ST. "L" EDL	F	22	215	36E

SAMPLE ID	PID	SAMPLE ID	PID
Source	0.0	Background	0.0
3'	0.0		
4'	0.0		
5'	0.9		
6'	0.0		
7'	0.0		

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

SIGNATURE: 

DATE: 10-21-08

CHLORIDE CONCENTRATION CURVE

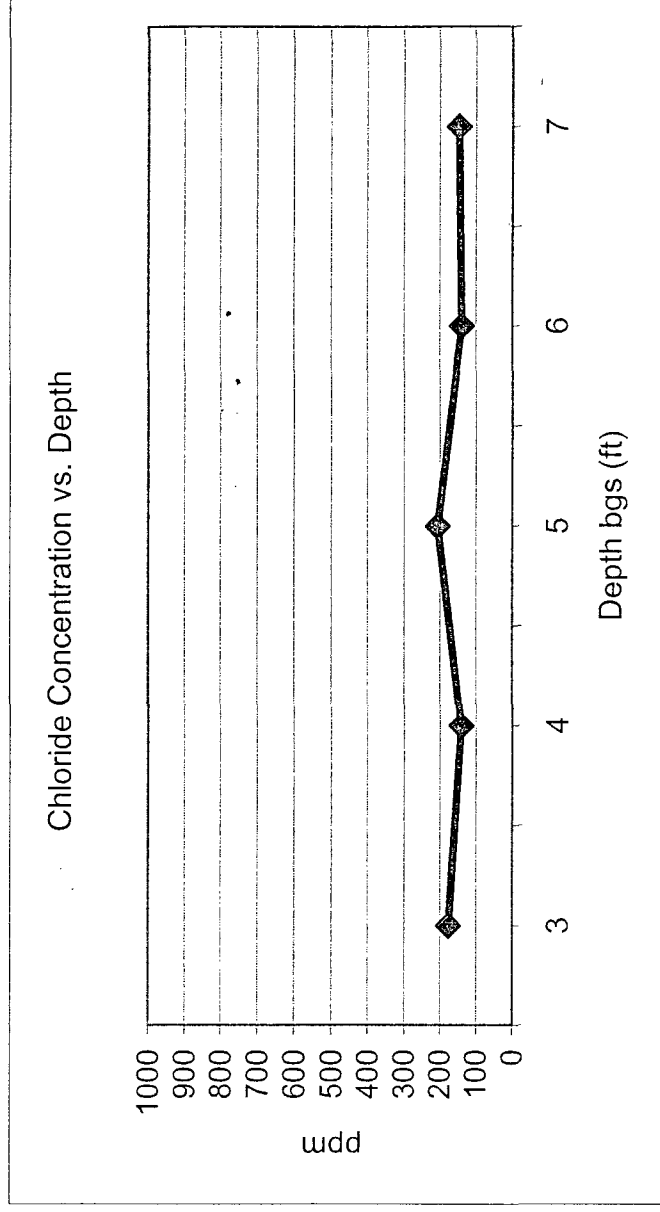
RICE Operating Company

EME Arco St. 'L' EOL

Unit 'F', Sec. 22, T21S, R36E

Backhoe samples at junction (source)

Depth bgs (ft)	Cl ppm
3	176
4	141
5	206
6	139
7	147



Groundwater = 128 ft