

1R - 427-272

REPORTS

DATE:

1-20-09

EME Jct A-19-1

1R427-27a

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		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. A-19-1	A	19	21S	36E	Lea	eliminated		

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

Depth to Groundwater 106 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/27/2008 Date Completed 9/24/2008 OCD Witness no

Soil Excavated 100.0 cubic yards Excavation Length 15 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/5/2008 Sample Depth 12 ft

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	PID = 16.0 (field)				<25.0	<25.0	16
BOTTOM COMP.	<0.050	<0.050	<0.050	0.194	<25.0	148	64
BLENDED BACKFILL	PID = 23.8 (field)				<25.0	289	32

General Description of Remedial Action: This junction was 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 15x15x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which yielded some elevated concentrations. Representative composite samples were collected and sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. Lab analysis confirmed that chloride, TPH, and BTEX were all within limits. The excavated soil was blended on-site and returned to the excavation to ground surface and contoured to the surrounding area. On 9/24/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	142
bottom comp.	12'	199
blended backfill	n/a	243
background	6"	150
vertical delineation trench at 15 ft south of the junction (source)	1'	116
	2'	157
	3'	150
	4'	84
	5'	147
	6'	171
	7'	140
	8'	172
	9'	173
	10'	138
	11'	120
	12'	120

enclosures: photos, lab results, PID field screenings, BTEX study, chloride curve

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

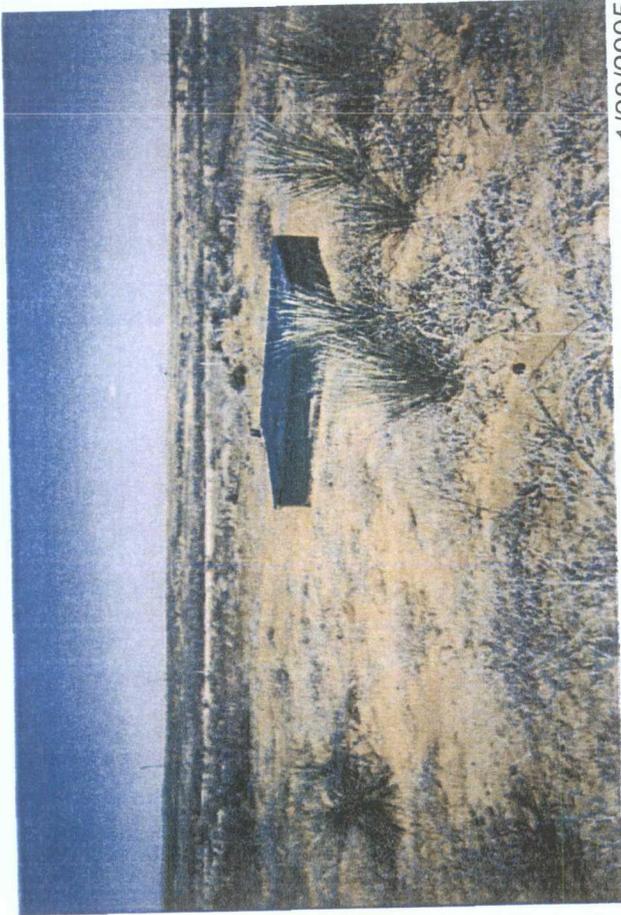
SITE SUPERVISOR Jordan Woodfin SIGNATURE *Jordan Woodfin* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 1-20-09

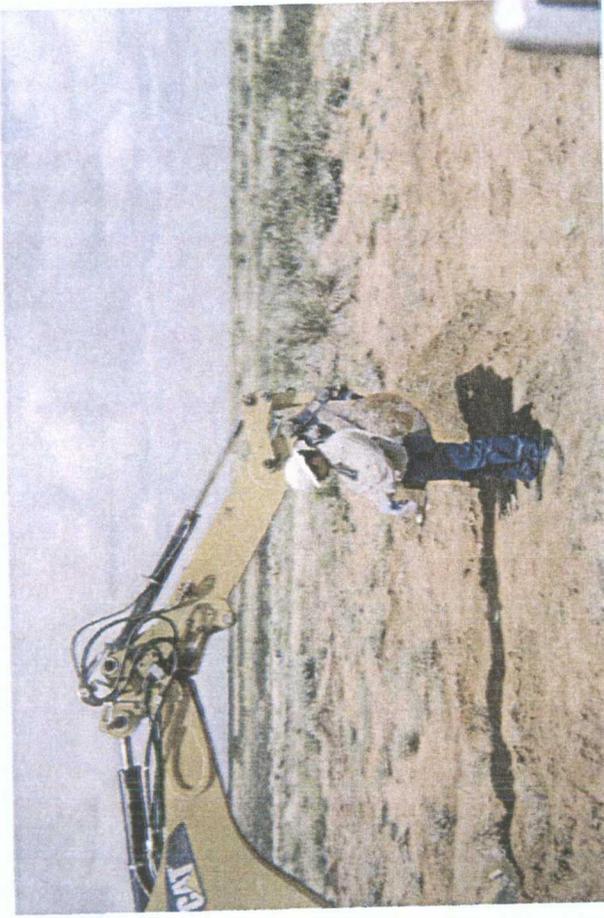
EME Jct. A-19-1

Unit A, Section 19, T21S, R36E



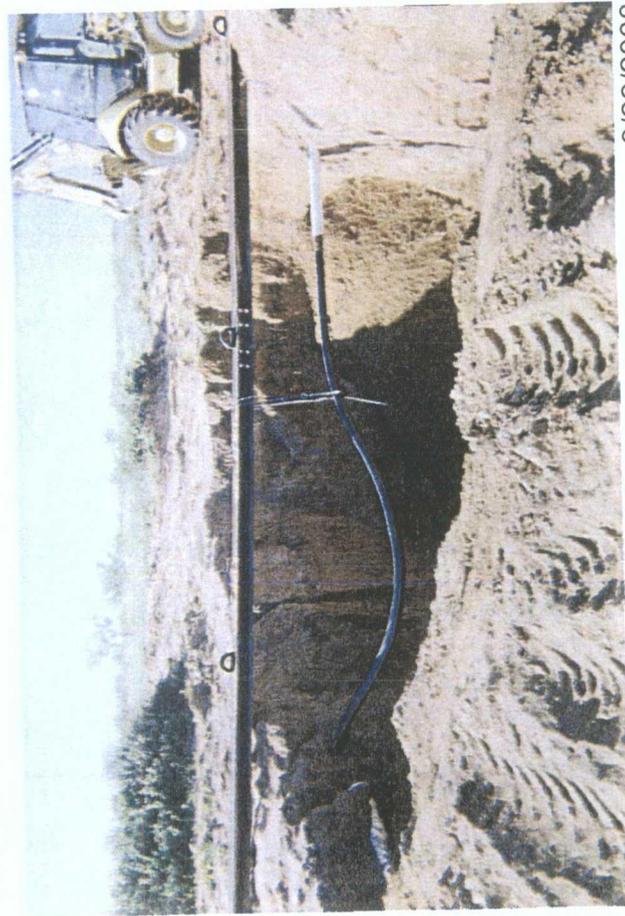
1/28/2005

undisturbed junction box, facing north



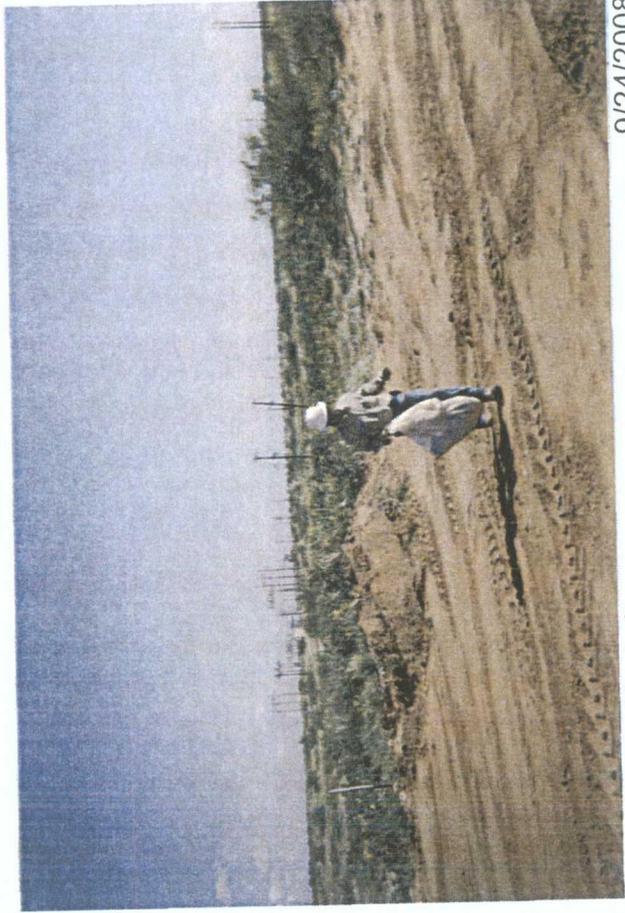
8/27/2008

collecting a soil sample, facing north



9/22/2008

final excavation



9/24/2008

seeding backfilled site



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

Receiving Date: 09/05/08
 Reporting Date: 09/10/08
 Project Number: NOT GIVEN
 Project Name: EME JCT A-19-1
 Project Location: EME JCT A-19-1

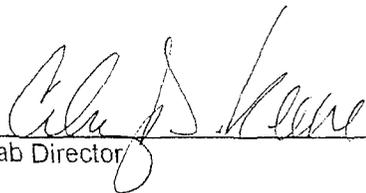
Sampling Date: 09/05/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: ML
 Analyzed By: ZL

COPY

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		09/09/08	09/09/08	09/09/08	09/09/08
H15881-3	5PT BTM COMP 12FT	<0.050	<0.050	<0.050	0.194
H15881-4 THRU 8	COMPOSITE OF BTM #1 THRU BTM #5	<0.050	<0.050	<0.050	0.256
Quality Control		0.055	0.051	0.051	0.162
True Value QC		0.050	0.050	0.050	0.150
% Recovery		110	102	102	108
Relative Percent Difference		13.6	1.9	1.9	7.4

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.


 Lab Director


 Date

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ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>BJCE OPERATING</u> Project Manager: <u>JORDAN WOODFIN</u> Address: <u>122 W TAYLOR</u> City: <u>110035</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: <u>(505) 393-2124</u> Fax #: <u>(505) 393-2476</u> Project #: Project Name: <u>EMERGET A-14-1</u> Project Location: <u>EMERGET A-14-1</u> Sampler Name: <u>JORDAN WOODFIN</u>		Company: Attn: Address: City: State: Phone #: Fax #:		Analysis Request <p style="font-size: 2em; text-align: center;">COPY</p>	
FOR UPS USE ONLY Lab I.D. <u>Sample I.D.</u>		MATRIX # CONTAINERS (G)RAB OR (C)OMP WASTEWATER GROUNDWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE ICE / COOL OTHER:	
DATE TIME		DATE TIME		DATE TIME	
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8

BILL TO

Chloride
 TPH BOISM
 BETEY
 COMPOSITE - BTEX ONLY

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 services. 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 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.

Relinquished By: Jordan Woodfin **Date:** 6/5-03
Time: 4:29 pm

Received By: [Signature] **Date:** _____
Time: _____

Delivered By: (Circle One)
 Samplet - UPS - Bus - Other:

CHECKED BY: [Signature] (Initials)

REMARKS: EMAIL RESULTS TO BBAKER@TRICE SWD.COM & SPURVIS@TRICE SWD.COM

† 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.	<input checked="" type="checkbox"/>
MODEL	<input type="checkbox"/>
NO.	<input type="checkbox"/>

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: 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100

ACCURACY : +/- 2%

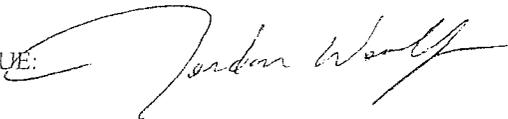
SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	A-19-1	A	19	215	30E

10 ft EAST

SAMPLE ID	PID	SAMPLE ID	PID
1'	1.3	Blended Backfill	2.3.8
2'	1.2		
3'	0.9	4 wall Comp	16.0
4'	0.7		
5'	0.5	5pt Bottom Comp	192.7
6'	0.4	pt1	6.0
7'	0.4	pt2	17.6
8'	0.6	pt3	2.38 238.1
9'	0.9	pt4	7.8
10'	0.4	pt5	10.2
11'	0.3		
12'	0.2		

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

SIGNATURE:



DATE: 9-5-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME
 Site: Jct. A-19-1

Date: 9/5/2008
 Sampler: Jordan Woodfin

Laboratory: Cardinal
 Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	6.0				
	2	17.6				
	3	238.1	<0.050	<0.050	<0.050	0.194
	4	7.8				
	5	10.2				
			LAB COMPOSITE (mg/kg)			
			<0.050	<0.050	<0.050	0.256

Field PID tests <100 ppm are considered final for BTEX. If PID is > 100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 1.5-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.
 Revised Junction Box Upgrade Work Plan (July 16, 2003)

CHLORIDE CONCENTRATION CURVE

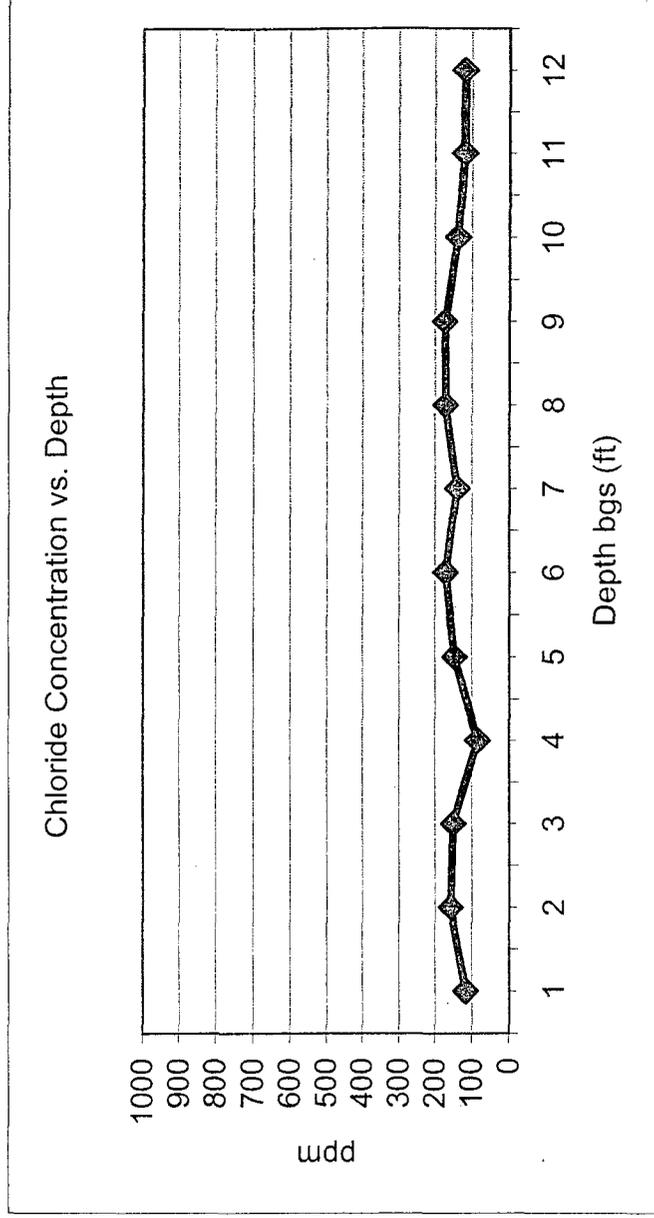
RICE Operating Company

EME Jct. A-19-1

Unit 'A', Sec. 19, T21S, R36E

Backhoe samples at 15 ft south of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	116
2	157
3	150
4	84
5	147
6	171
7	140
8	172
9	173
10	138
11	120
12	120



Groundwater = 170 ft