

1R - 427 - 152

REPORTS

DATE:

9-27-04

EME Citation Devonian
Vent G-20

IR0427-152

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	Citation Devonian Vent G-20	G	20	21S	36E	Lea	moved 167 ft North		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Dasco Land Company OTHER _____

Depth to Groundwater 174 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/28/2004 Date Completed 8/12/2004 OCD Witness No

Soil Excavated 18 cubic yards Excavation Length 10 Width 4 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/2/2004 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	Chlorides mg/kg
GRAB @ 12 ft	<0.005	<0.005	<0.005	<0.015	28.1	2570	432

CHLORIDE FIELD TESTS

General Description of Remedial Action: This vent was located just outside the eastern fence line of an active production facility. The box was removed and delineated using a backhoe to make a trench at the site of the old junction. Samples were collected every foot to 12 ft BGS and field-tested for chloride and screened using a PID. Mild hydrocarbon odors were detected in all samples. Chloride concentrations were relatively low and given the depth to groundwater, no further excavation was warranted. The 12 ft sample was analyzed at a laboratory and NMOCD TPH and BTEX guidelines were met. The hole was backfilled with the excavated soil. The disturbed surface was seeded on 9/24/2004 with a blend of native vegetation and will be monitored for growth.

LOCATION	DEPTH (ft)	ppm
vertical	5	113
at junction	6	141
	7	175
	8	144
	9	256
	10	281
	11	337
	12	458

enclosures: chloride graph, photos, lab results

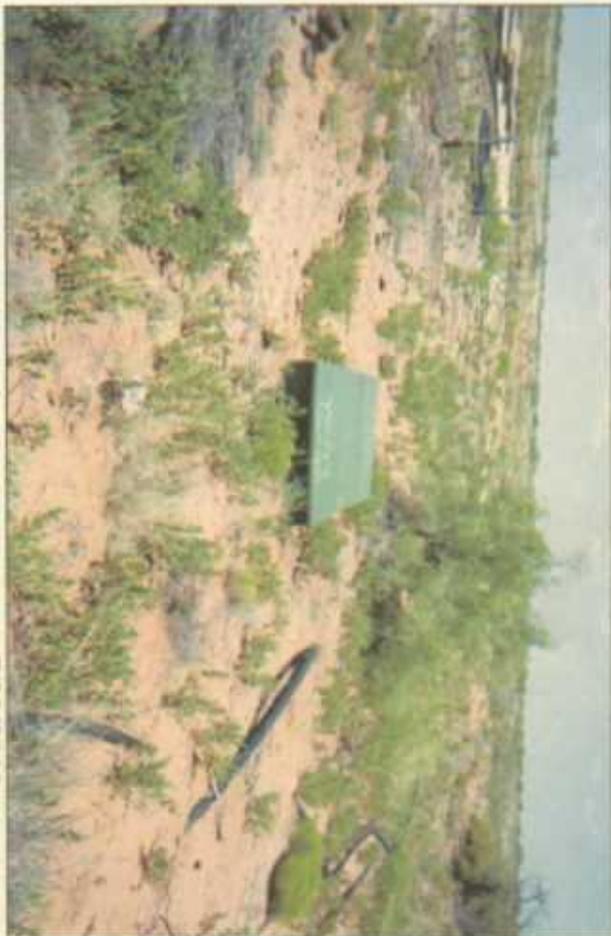
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*
DATE 9/27/2004 TITLE Project Scientist

EME Citation Devonian vent G-20

unit 'G', Sec. 20, T21S, R36E



undisturbed junction box

7/23/2003



old junction site; lumber removed

7/23/2003



new plumbing in new box location 167 ft north

6/23/2004



completed new watertight junction box 167 ft north

7/9/2004



backfilling delineation excavation at old box site 8/12/2004



excavation backfilled and graded 8/12/2004



seeding disturbed surface 9/24/2004

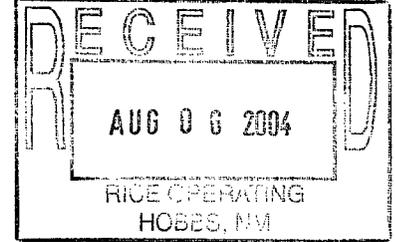


**ARDINAL
LABORATORIES**

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471



Receiving Date: 08/02/04
Reporting Date: 08/04/04
Project Number: NOT GIVEN
Project Name: EME
Project Location: CITATION DEVONIAN-EME

Sampling Date: 08/02/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		08/03/04	08/03/04	08/02/04
H8967-1	SOURCE @ 12' BGS	28.1	2570	432
Quality Control		759	801	1000
True Value QC		800	800	1000
% Recovery		94.9	100	100
Relative Percent Difference		5.0	1.8	1.0

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.

Bryan J. Cooke
Chemist

8/4/04
Date

H8967A.XLS

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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Receiving Date: 08/02/04
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Project Name: EME
Project Location: CITATION DEVONIAN-EME

Sampling Date: 08/02/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/02/04	08/02/04	08/02/04	08/02/04
H8967-1	SOURCE @ 12' BGS	<0.005	<0.005	<0.005	<0.015
Quality Control		0.086	0.101	0.091	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		86.4	101	91.1	91.0
Relative Percent Difference		7.3	3.0	0.5	2.7

METHOD: EPA SW-846 8260

Burgess J. Cooke
Chemist

8/3/04
Date

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EME Citation Devonian vent G-20

unit 'G', Sec. 20, T21S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
5	113
6	141
7	175
8	144
9	256
10	281
11	337
12	458

Groundwater = 174 ft

