

1R - 427 - 198

REPORTS

DATE:

5-20-05

EME SCI I-19
1R0427-198

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	I-19	I	19	20S	37E	Lea	Length	Width	Depth
							moved 44 ft East		

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

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/27/2004 Date Completed 9/16/2004 NMOCD Witness no

Soil Excavated 100 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 8/31/2004 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation 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 ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	128
BOTTOM COMP.	0.1	<10.0	17	400
REMEDI. BACKFILL	0.1	<10.0	<10.0	224

LOCATION	DEPTH (ft)	ppm
vertical at junction	6	280
	7	416
	8	437
	9	516
	10	394
	11	337
	12	426
5 ft WEST of junction	6	411
	7	434
	8	549
	9	451
	10	423
	11	372
	12	396
4-wall comp.	n/a	138
bottom comp.	12	403
backfill comp.	n/a	222

General Description of Remedial Action: This junction box was addressed with the pipeline replacement program. The junction was moved ft North and the old pipeline was replaced with a 4-in. polyethylene pipeline. The lumber was removed from the former box site and the location was delineated using a backhoe while PID screenings and chloride field tests were performed at regular intervals. All PID readings yielded 0.1 ppm and lab results confirmed TPH concentrations well below NMOCD guidelines within the 15 x 15 x 12-ft-deep excavation. Chloride concentrations were also relatively low and are not considered threatening to groundwater quality. The excavated soil was blended on site and then backfilled into the hole. The disturbed surface has been seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. A new junction box was built 44 ft East of this location.

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

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

SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 5/20/2005 TITLE Project Scientist



undisturbed junction box

1/7/2004

EME jct. I-19

unit 'I', sec. 19, T20S, R37E



new plumbing at former junction site

8/16/2004



new junction 44 ft west of former

8/16/2004



delineation at former junction

8/27/2004



backfilled excavation

9/16/2004



seeding disturbed area; new junction box in foreground

5/9/2005



watering seed; new junction box in background

5/9/2005

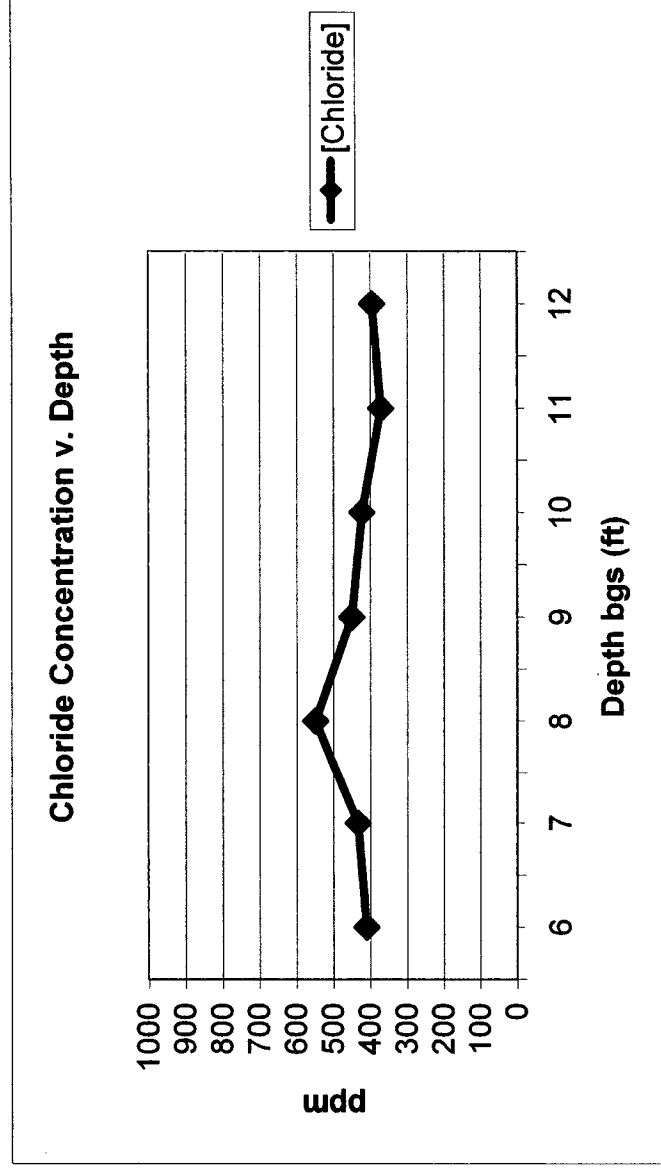
EME jct. I-19

T20S, R37E

5 ft WEST of junction

Depth bgs (ft)	[Cl ⁻] ppm
6	411
7	434
8	549
9	451
10	423
11	372
12	396

Groundwater = 35 ft





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

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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

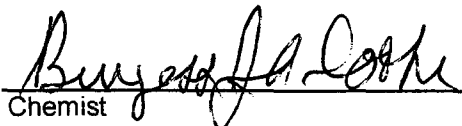
Receiving Date: 08/31/04
Reporting Date: 09/01/04
Project Number: NOT GIVEN
Project Name: EME I-19
Project Location: NOT GIVEN

Sampling Date: 08/31/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
		08/31/04	08/31/04	09/01/04
H9110-1	BOTT COMP @ 12' BGS	<10.0	17.0	400
H9110-2	4 WALL COMP	<10.0	<10.0	128
H9110-3	REMEDIED BACKFILL	<10.0	<10.0	224
	Quality Control	791	780	990
	True Value QC	800	800	1000
	% Recovery	98.9	97.5	99
	Relative Percent Difference	1.0	1.8	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

9/1/04
Date

H9110.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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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

RICE OPERATING COMPANY

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

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

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

SERIAL NO: 104490

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

100 PPM

BALANCE

LOT NO: 02-22-30

FILL DATE: 5/20/03

EXP. DATE: 11/20/04

ACCURACY: +/- 2%

METER READING

ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	I-19	I	19	20	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bott Comp 12'	0.1		
4 WALL COMP	0.1		
REMP BACKFILL	0.1		
5' N. WALL	0.1		
10' S. WALL	0.1		
5' E. WALL	0.1		
10' W. WALL	0.1		

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


Signature

8/31/04
Date