

1R - 427-233

REPORTS

DATE:

4-1-08

EME Cooper 'E' EOL

1R427-233

CLOSURE

4-1-08

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
EME	Cooper 'E' EOL	A	4	20S	37E	Lea	Length	Width	Depth
							no box--jct. eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper OTHER _____

Depth to Groundwater 27 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 12/27/2006 Date Completed 2/2/2007 NMOCD Witness no

Soil Excavated 222 cubic yards Excavation Length 25 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 1/4/2007, 1/5/2007 Sample Depth 12 ft

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 laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	2.1	<10.0	<10.0	528
BOTTOM COMP.	0.8	<10.0	<10.0	528
BACKFILL	4.4	<10.0	<10.0	944

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	417
bottom comp.	12	145
backfill comp.	n/a	898

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement program. After the box lumber was removed, a backhoe was used to collect soil samples at regular intervals. Chloride field tests and organic vapor readings using a PID were performed on each sample throughout the 25 x 20 x 12-ft-deep excavation. Composite samples from the final excavation were collected for laboratory analysis and confirmed that hydrocarbon was not detected. Chloride concentrations exhibited a trend of decline with depth. The excavated soil was blended on site and returned to the excavation. 36 cubic yards of clean topsoil was imported to fill the remaining 2 ft of the excavation. The topsoil was contoured to the surrounding terrain and seeded with a blend of native vegetation. The seed has been watered and will be monitored for growth.

enclosures: photos, lab results, PID field screenings, excavation cross-section, chloride graph

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE _____ COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 7/3/2007 TITLE Project Scientist



ARDINAL LABORATORIES

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

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

COPY

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

Receiving Date: 01/05/07
Reporting Date: 01/08/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EME AMERADA COOPER E

Sampling Date: 01/04/07 & 01/05/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

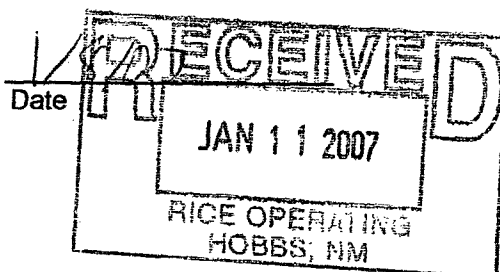
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
		01/07/07	01/07/07	01/08/07
H11979-1	BOTTOM 5 PT. COMP.	<10.0	<10.0	528
H11979-2	4 WALL COMP.	<10.0	<10.0	528
H11979-3	BLENDED BACKFILL	<10.0	<10.0	944
Quality Control		749	732	510
True Value QC		800	800	500
% Recovery		93.6	91.5	102
Relative Percent Difference		2.6	2.0	5.9

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

H11979



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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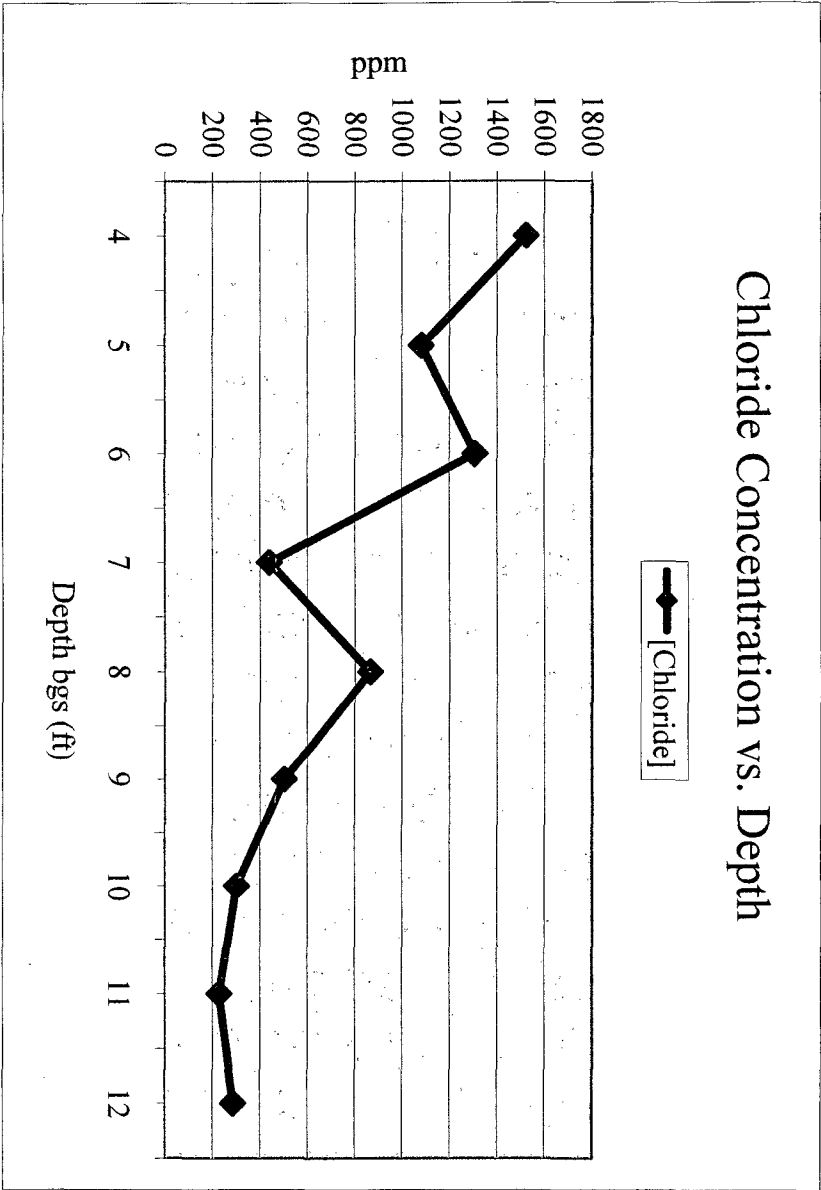
EME Cooper 'E' EOL

unit 'A', Sec. 4, T20S, R37E

15 ft NORTH of junction

Depth bgs (ft)	[Cl ⁻] ppm
4	1524
5	1082
6	1307
7	440
8	865
9	503
10	302
11	229
12	287

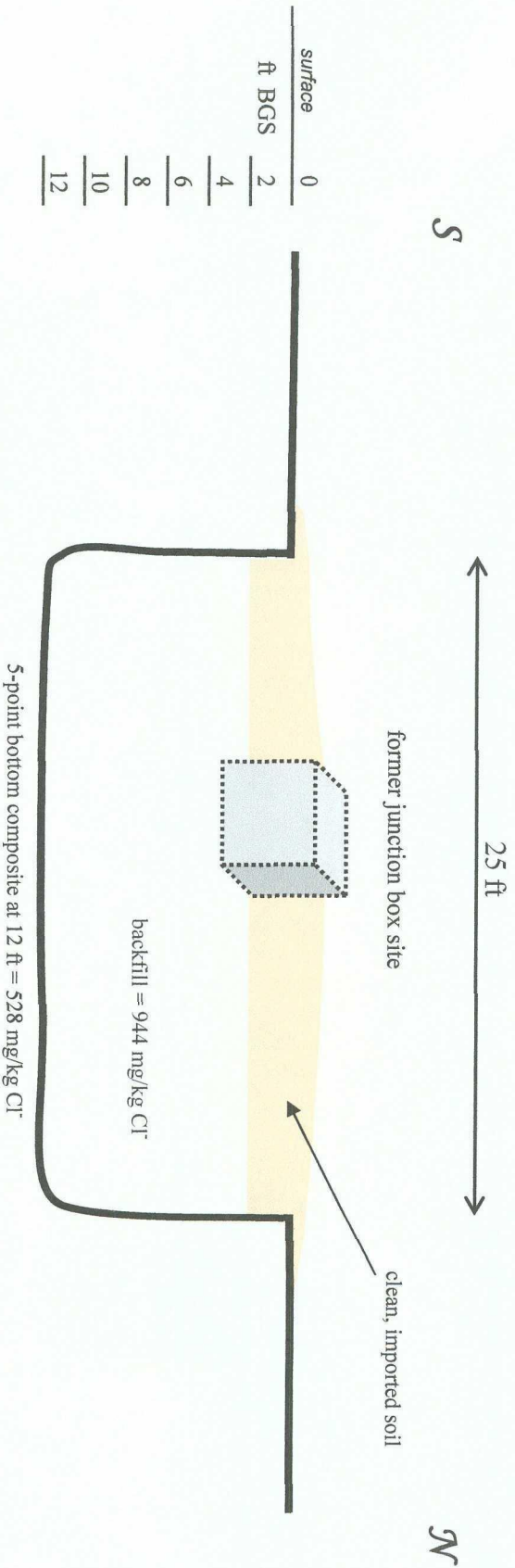
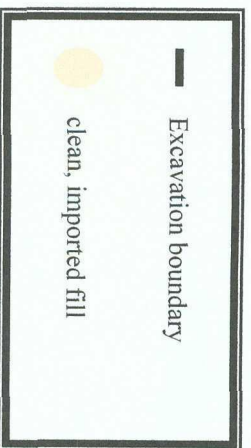
Groundwater = 27 ft



EME Cooper 'E' EOL

25 x 20 x 12-ft-deep

Excavation Cross-Section



EME Cooper 'E' EOL

Unit 'A', Sec. 4, T20S, R37E



beginning backhoe sample collection at former box site 12/27/2006



compacting backfill in 25 x 20 x 12 ft excavation 1/29/2007



spreading clean, imported soil on top of backfilled site 1/30/2007



seeding disturbed surface of backfilled site 2/2/2007

11.07 0.1

North Wall Comp.

cl-	558
pid	2.7

5 283 11.5

South Wall Comp.

cl-	231
pid	0.2

5 169 0.5

East Wall Comp.

cl-	527
pid	5.4

5 198 3.6

West Wall Comp.

cl-	810
pid	2.3

4-Wall Comp.

Soil	Water	CF	AgNO3	CL-	PID
10.4	31.4	2.98	0.14	417	2.1

MAKE SURE YOU ARCHIVE ALL FINAL SAMPLES

Signature Donna May 11.11.07

Date 1-5-07

COPY

Bottom 5pt. Comp.

Soil	Water	CF	AgNO3	CL-	PID
10.5	30.6	2.91	.05	145	0.8

Blended backfill

Soil	Water	CF	AgNO3	CL-	PID
10.4	33.4	3.21	0.28	898	4.4

MAKE SURE YOU ARCHIVE ALL SAMPLES

Notes: