1R - 427-247

REPORTS

DATE:

08-05-08

EME B-16 Boot

1R427-247

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)	B-16 boot	B	16	20S	37E	Lea	moved 50 ft east		

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

Depth to Groundwater 26 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 12/11/2006 Date Completed 2/5/2007 OCD Witness no

Soil Excavated 333 cubic yards Excavation Length 25 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 12/26/2006 **Sample Depth** 12 ft

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

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	4.8	<10.0	<10.0	112
BOTTOM COMP.	0.1	<10.0	<10.0	528
BACKFILL	4.2	<10.0	<10.0	144

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	286
bottom comp.	12'	445
backfill	n/a	314
vertical delineation trench 5 ft west of the junction (source)	4'	238
	5'	139
	6'	170
	7'	147
	8'	148
	9'	140
	10'	110
	11'	175
	12'	141

General Description of Remedial Action: This junction was addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 50 ft east of the former. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 25x30x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded generally low levels of chloride. Orgainc vapors were measured using a PID, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis. The excavated soil was blended on-site and returned to the excavation up to 6 ft below ground surface. At 6-5 ft BGS, a 1-ft-thick clay barrier was installed. The remaining fill was used to backfill the excavation to ground surface and to contour to the surrounding area. An identification plate was placed on the surface at the former junction site to mark the presence of the clay below. On 2/6/2007, 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, cross-section, lab results, PID screenings, chloride curve

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 8-5-08

EME B-16 boot

Unit B, Section 16, T20S, R37E

taking vertical samples 12/11/2006

squaring site 12/12/2006

backfilling excavation up to 6 ft BGS 1/31/2007

clay barrier installed 2/1/2007

EME B-16 boot

Unit B, Section 16, T20S, R37E

spreading clean, imported top soil 2/5/2007

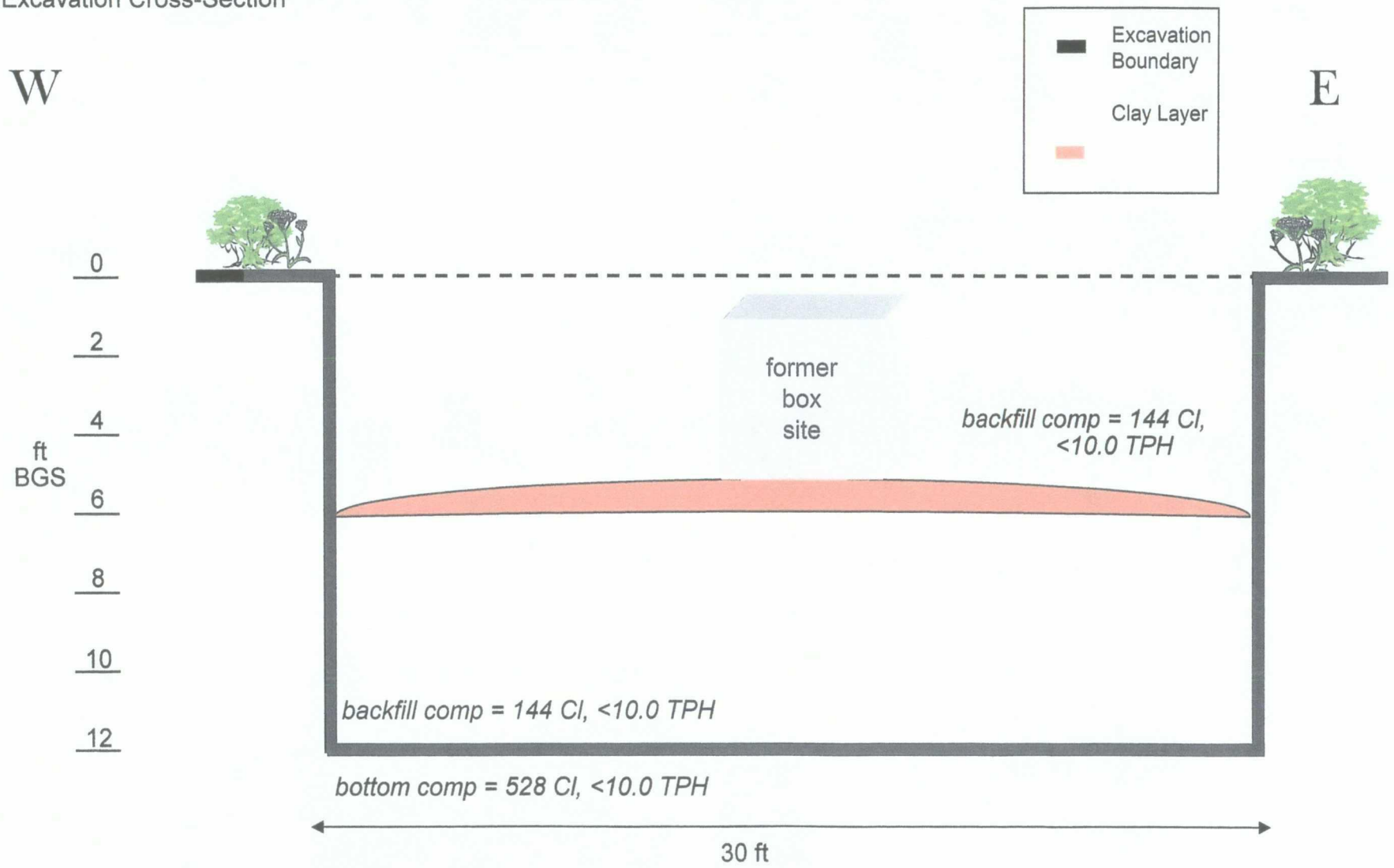
seeding backfilled site 2/6/2007

clay marker 2/26/2007

new, watertight junction box 1/16/2006

EME B-16 boot
Unit B, Section 16, T20S, R37E

Excavation Cross-Section



CARDINAL 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 R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/27/06
Reporting Date: 12/29/06
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EME BOOT B-16

Sampling Date: NOT GIVEN 12-26-06 DM
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		12/29/06	12/29/06	12/27/06
H11939-1	BOTTOM 5 PT COMP @12	<10.0	<10.0	528
H11939-2	4 WALL COMP 25'X 30'	<10.0	<10.0	112
H11939-3	BACKFILL BLEND	<10.0	<10.0	144
Quality Control		760	752	510
True Value QC		800	800	500
% Recovery		95.1	94.0	102
Relative Percent Difference		0.3	2.8	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

12/29/06
Date

H11939

CARDINAL LABORATORIES, INC.

COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page____ of ____

		BILL TO	ANALYSIS REQUEST
Company Name:	Rice operating CO.	P.O. #:	
Project Manager:	Roy RASCON	Company:	
Address:	122 W TAYLOR	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	393-9174 Fax #: 397-1471	City:	
Project #:	Project Owner:	State: Zip:	
Project Name:		Phone #:	
Project Location:	EME Boot B-16	Fax #:	
Sampler Name:	Darrell Mitchell		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	8015M TPH	CL
H11939-1	Bottom Spt comp	C	1			✓					✓		12-26-06 DM		✓	✓
-2	4 wall Comp	C	1			✓					✓				✓	✓
-3	Backfill Blend	C	1			✓					✓				✓	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By: Darrell Mitchell	Date: 12-27-06	Received By: (Lab Staff)	REMARKS: Email to Ray Rascon
	Time: 0745		
Delivered By: (Circle One)	Sample Condition: Temp, °C / Intact? ☐ Yes ☐ No	Checked By: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
Phone: (505) 393-9174 Fax: (505) 397-1471

COPY

VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.	✓	MODEL: PGM 761S	SERIAL NO: 104412
MODEL		MODEL: PGM 7600	SERIAL NO: 110-013744
NO.		MODEL: PGM 7600	SERIAL NO: 110-12383
		MODEL: PGM 7600	SERIAL NO: 110-012920

LOT NO: 06-3079 GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

FILL DATE: 6-16-06 EXP. DATE: 2-16-07

ACCURACY: +/- 2% METER READING ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	JCT- B-16 BOOT	B	16	T-20S	37E

4 wall comp 5 PT Bottom 5PT Bottom comp. Backfill Blend

SAMPLE	PID Results	Sample	PID Results
@25' X 30'	4.8		
1	0.1		
2	0.1		
3	0.1		
4	0.1		
5	0.1		
1	0.1		
1	4.2		

4 wall comp.

PT Bottom @ 12'

PT Bottom Comp. @ 12'

Backfill Blend

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

SIGNATURE: Darrell Mitchell DATE: 12-26-06

EME B-16 boot

unit 'B', Sec. 16, T20S, R37E

Backhoe samples at 5 ft west of the junction (source)

Depth bgs (ft)	[Cl] ppm
4	238
5	139
6	170
7	147
8	148
9	140
10	110
11	175
12	141

Groundwater = 26 ft