

1R - 427-255

REPORTS

DATE:

01-29-09

EME (Finley) **Ida White Boot**

1R427-255

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		
Eunice Monument Eumont (EME)	Ida White boot	K	35	20S	36E	Lea	Length 10'	Width 3'	Depth 3'
							same location		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Dale Cooper _____ OTHER _____

Depth to Groundwater _____ 122 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 0 _____

Date Started _____ 6/11/2008 _____ Date Completed _____ 7/1/2008 _____ OCD Witness _____ no _____

Soil Excavated _____ 44 _____ cubic yards Excavation Length _____ 10 _____ Width _____ 10 _____ Depth _____ 12 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 6/12/2008 _____ 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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	320
BOTTOM COMP.	0.0	<10.0	30.8	512
BACKFILL COMP.	2.6	<10.0	53.2	416

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	373
bottom comp.	12'	486
blended backfill	n/a	467
vertical delineation trench at 5 ft west of the junction (source)	2'	264
	4'	393
	6	556
	8'	534
	10'	489
	12'	357

General Description of Remedial Action: This junction was addressed 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 10x10x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former.

enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve

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

SITE SUPERVISOR _____ Roy Rascon _____ SIGNATURE _____ not available _____ COMPANY _____ RICE OPERATING COMPANY _____

REPORT
ASSEMBLED BY _____ Katie Jones _____ INITIAL _____ KJ _____

PROJECT LEADER _____ Larry Bruce Baker Jr. _____ SIGNATURE _____ Larry Bruce Baker Jr. _____ DATE _____ 1-29-09 _____

EME Ida White boot

Unit K, Section 35, T20S, R36E



undisturbed junction box

8/15/2007



collecting a soil sample

6/11/2008



10x10x12-ft-deep excavation

6/12/2008



new, watertight junction box

8/27/2008



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 06/12/08

Reporting Date: 06/13/08

Project Owner: NOT GIVEN

Project Name: EME IDA WHITE BOOT

Project Location: NOT GIVEN

Sampling Date: 06/12/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: CK

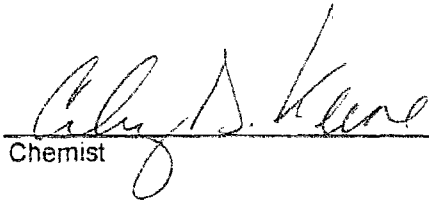
Analyzed By: CK/KS

COPY

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		06/13/08	06/13/08	06/13/08
H14977-1	SOURCE 5PT. BOTTOM COMP.	<10.0	30.8	512
H14977-2	4 WALL COMPOSITE	<10.0	<10.0	320
H14977-3	BLENDED BACKFILL	<10.0	53.2	416
Quality Control		569	584	500
True Value QC		500	500	500
% Recovery		114	117	100
Relative Percent Difference		2.6	4.9	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


Date

H14977TCL RICE

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

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

PID METER CALIBRATION & FIELD REPORT FORM

CK.	☐
MODEL	☐
NO.	☒

MODEL: PGM 7600

SERIAL NO: 110-013676

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-123920

MODEL: PGM 7600

SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: 4-4-09
FILL DATE: 4-4-07	METER READING ACCURACY: 101 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	IDA WHITE BOAT	K	35	20S	36E

SAMPLE ID	PID	SAMPLE ID	PID
SPT BOTTOM COMP	0.0		
WEST WALL	0.0		
NORTH WALL	0.0		
EAST WALL	0.0		
SOUTH WALL	0.0		
4 WALL COMPOSIT	0.0		
BACK GROUND	0.0		
BLENDED BACKGND	2.6		

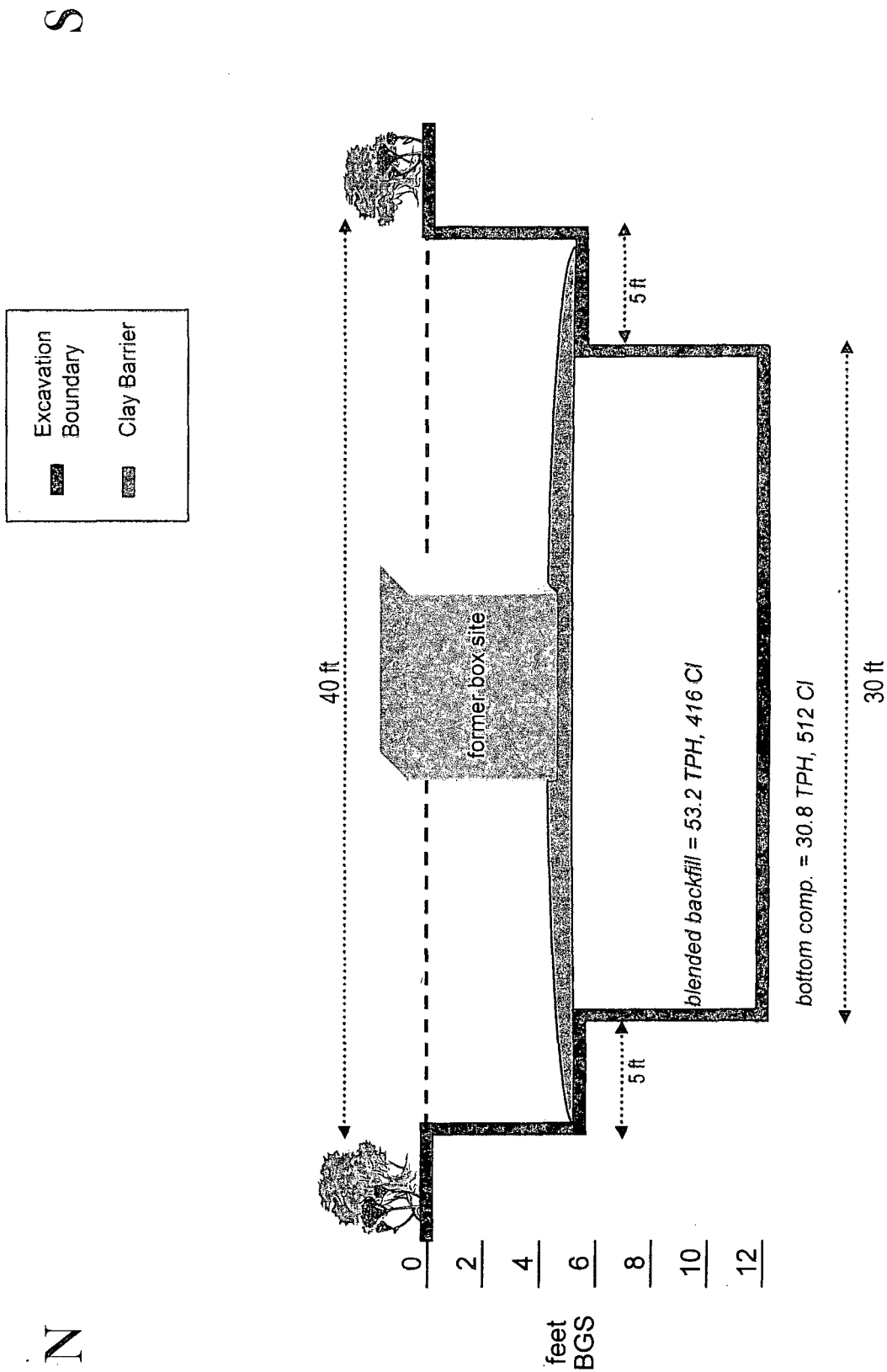
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE: Daniel M. Heber

DATE: 6-12-08

EME Ida White boot
Unit 'K', Sec. 35, T20S, R36E

Excavation Cross-Section





LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.C.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating Company
Attn: Hack Conder
122 W. Taylor
Hobbs, NM 88240

Material: Wallach Red Clay

Test Method: ASTM: D 2922

Project: General Information
EME Finley IDA White Boot
Project No. 2008.1069

COPY

Date of Test: July 1, 2008

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density		% Moisture	Depth
		% Max			
SG 6	Center of Pit - 10' W. & 10' N. of SE Corner	99.3		12.8	FSG

RECEIVED

JUL 21 2008

RICE OPERATING
HOBBS, NM

Control Density: 102.8
ASTM: D 698

Optimum Moisture: 22.6%

Required Compaction: 95%

Densometer ID: 815

PETTIGREW & ASSOCIATES

Lab No.: 08 6157-6158

Copies To: Rice Operating

BY: Erica M. Hart

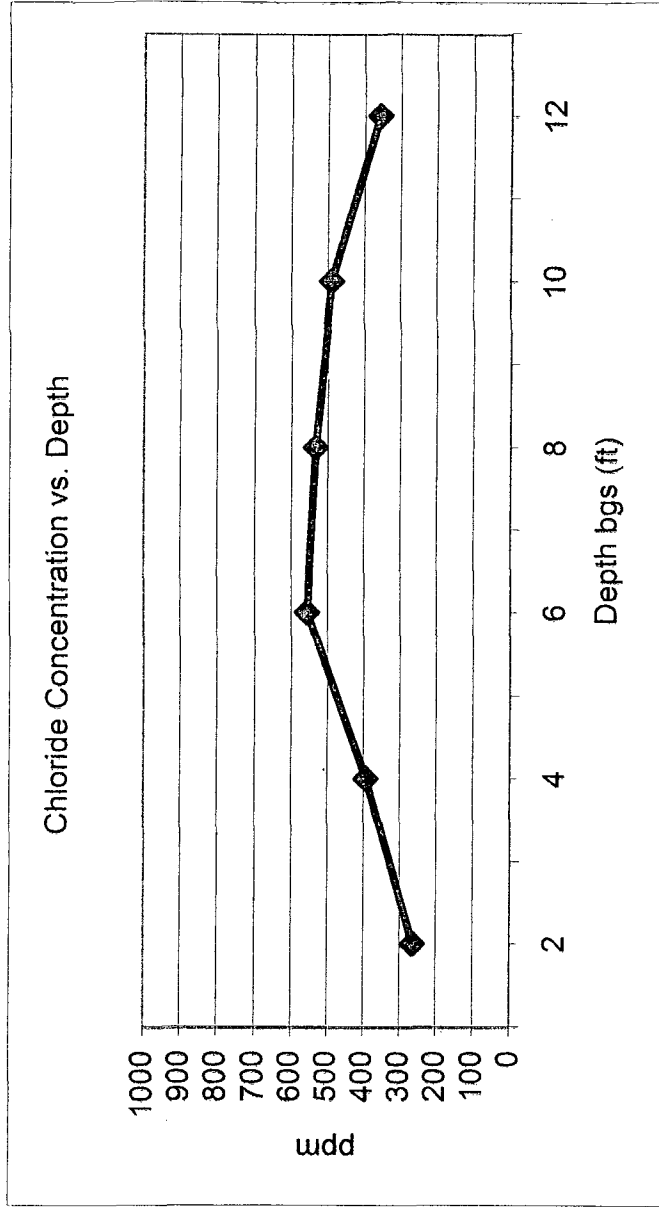
BY: Debra P. Hicks P.E.

EME Ida White boot

Unit 'K', Sec. 35, T20S, R36E

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

Depth bgs (ft)	Cl ⁻ ppm
2	264
4	393
6	556
8	534
10	489
12	357



Groundwater = 122 ft