

1R - 427-282

REPORTS

DATE:

01-28-09

EME K-9 Vent

IR 427-282

RECEIVED

MAY 20 1966

Environmental Survey
Oil Conservation Division

DISCLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	K-9 vent	K	9	20S	37E	Lea	Length 8'	Width 8'	Depth 4'
							same location		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER S&W Cattle Co. _____ OTHER _____

Depth to Groundwater 18 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/17/2004 Date Completed 8/16/2004 OCD Witness no

Soil Excavated 533.3 cubic yards Excavation Length 30 Width 30 Depth 16 feet

Soil Disposed 120 cubic yards Offsite Facility South Monument Surface Waste Facility Location Monument, NM

FINAL ANALYTICAL RESULTS: Sample Date 7/14/2004 Sample Depth 16 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	Chlorides mg/kg
4-WALL COMP.	8.7	<10.0	<10.0	304
BOTTOM COMP.	13.1	<10.0	<10.0	112
BACKFILL COMP.	59.6	<10.0	337	48

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	329
bottom comp.	16'	89
backfill comp.	n/a	60
background	6"	115
vertical delineation trench at the junction (source)	8'	329
	9'	389
	10'	359
	11'	269
	12'	209
	13'	90
	14'	90
	15'	90
	16'	90

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 30x30x16-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors measured using a PID yielded some elevated concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which yielded elevated concentrations of TPH. The excavated soil was returned to the excavation up to 6 ft below ground surface (BGS). At 6-5 ft BGS, a 1-ft-thick clay barrier was installed with a clay density test performed on 7/21/2004. Clean, imported soil was returned to the excavation to ground surface and

contoured 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. NMOCD was notified of potential groundwater impact on 10/29/2004. A new, watertight junction box was built in place of the former.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID field screening, cross-section, clay test

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

SITE SUPERVISOR Rob Elam 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 1-28-09

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

EME K-9 vent

Unit K, Section 9, T20S, R37E



undisturbed junction box

7/29/2003



excavation at former junction site

7/13/2004



clay barrier installed

7/21/2004



new, watertight junction box

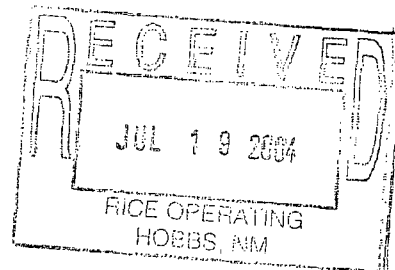
1/15/2008



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: 07/14/04
Reporting Date: 07/15/04
Project Number: NOT GIVEN
Project Name: VENT EME K-9
Project Location: EME

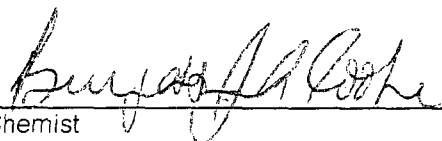
Sampling Date: 07/14/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/AH

COPY

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		07/14/04	07/14/04	07/15/04
H8911-1	16' BOTTOM COMPOSITE	<10.0	<10.0	112
H8911-2	WALL COMPOSITE	<10.0	<10.0	304
H8911-3	BACKFILL COMPOSITE	<10.0	337	48
Quality Control		787	738	1000
True Value QC		800	800	1000
% Recovery		98.4	92.2	100
Relative Percent Difference		6.6	3.3	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist

7/15/04
Date

H8911.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.

ARDINAL LABORATORIES, INC.

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† Cardinal cannot accept verbal changes, Please fax written changes to (915) 673-7020.

MEASURING 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
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE

SERIAL NO: ~~104475~~ 104550

100 PPM

BALANCE

FILL DATE: 4-19-04

ACCURACY: $\pm 2\%$

LOT NO: 03-2475

EXP. DATE: 10-19-05

METER READING

ACCURACY: 100.0

COPY

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	K-9 Vent	K	9	20-S	37-E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom Comp	13.1		
Wall Comp	8.7		
Backhill Comp	59.6		
West Wall Comp	3.4		
North Wall Comp	9.7		
South Wall Comp	0		
East Wall Comp	7.1		

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



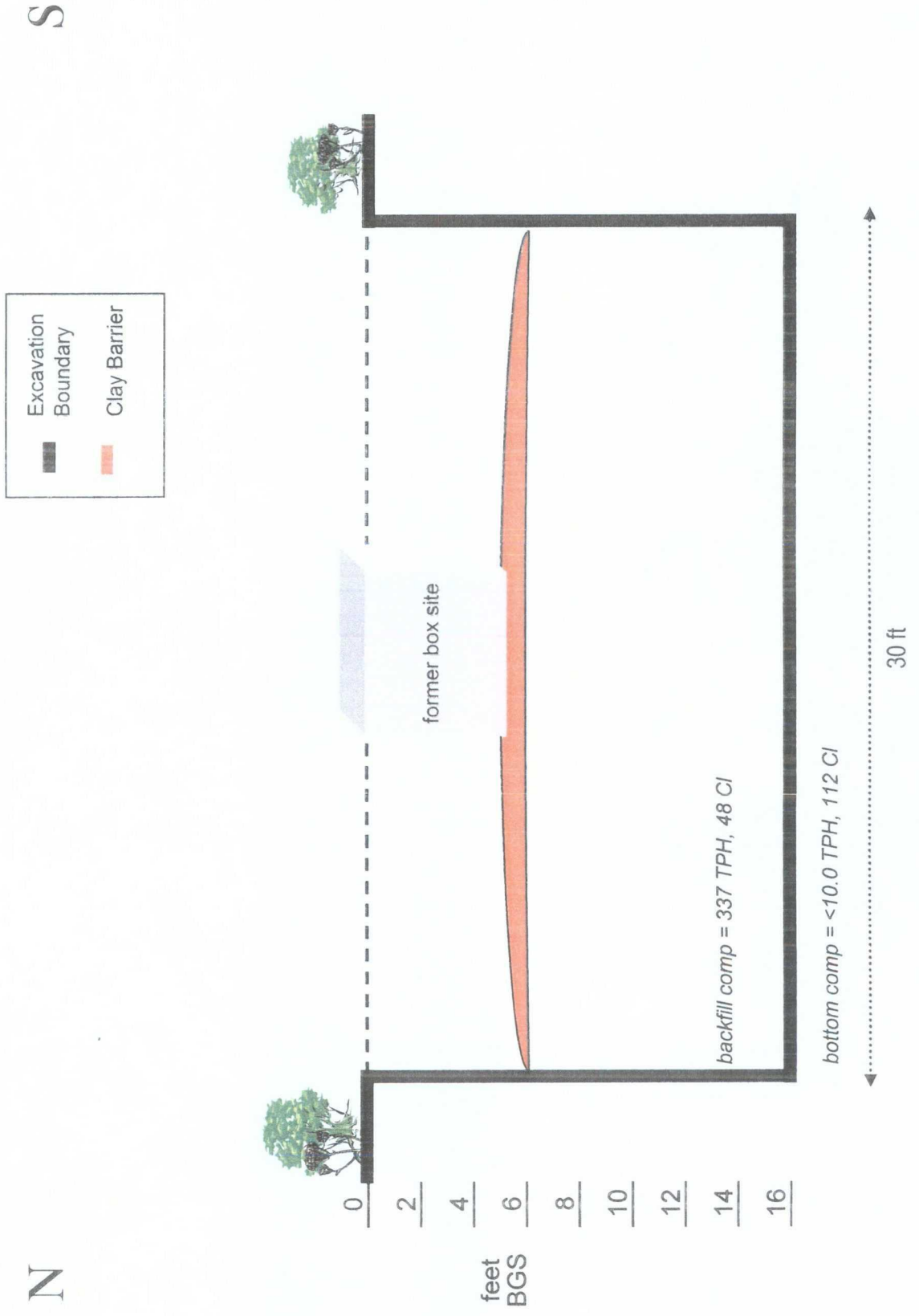
Signature

7-14-04

Date

EME K-9 vent
Unit 'K', Sec. 9, T20S, R37E

Excavation Cross-Section





LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
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
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Test Method: ASTM: D 2922

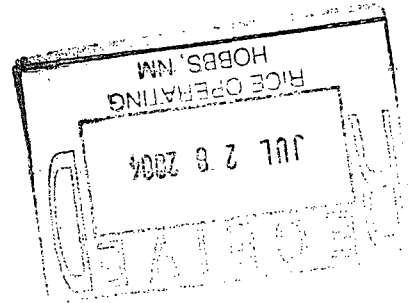
Project: K - 9 - EME

COPY

Date of Test: July 21, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density		Depth
		% Maximum	% Moisture	
SG-1	Pit - W. Side of Pit	105.0	19.5	



Control Density: 101.0
ASTM: D 698

Optimum Moisture: 23.0

Required Compaction: 95%

Lab No.: 04 8795-8796

Copies To: Rice

PETTIGREW & ASSOCIATES

BY: SET.