

1R - 425-63

REPORTS

DATE:

12-10-08

22  
16

**Vacuum Marathon 3 Warn St 'B'**  
**EOL**

**1R425-63**

RECEIVED

MAY 25 1979  
Environmental Bureau  
Oil Conservation Division

**DISCLOSURE**

RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT

BOX LOCATION							BOX DIMENSIONS - FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
Vacuum	Marathon 3 Warn St. 'B' EOL	G	33	17S	35E	Lea	no box; system abandonment		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 85 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/9/2007 Date Completed 3/27/2008 OCD Witness no

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

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

FINAL ANALYTICAL RESULTS: Sample Date 2/27/2008 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	Chlorides mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	1,390
BOTTOM COMP.	0.0	<10.0	<10.0	912
BACKFILL COMP.	0.0	<10.0	<10.0	1,150

LOCATION	DEPTH	mg/kg
4-wal comp.	n/a	1,347
bottom comp.	12'	963
backfill comp.	n/a	1,192
background	6"	76
vertical delineation trench at 10' west of the junction (source)	1'	335
	2'	410
	3'	646
	4'	414
	5'	665
	6'	556
	7'	247
	8'	275
	9'	836
	10'	658
	11'	1,541
	12'	2,603

**General Description of Remedial Action:** This junction was eliminated during the Vacuum SWD system abandonment. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x25x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded elevated concentrations. Organic vapors were measured using a PiD, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH. The excavated soil was returned to the excavation up to 4' below ground surface (BGS). At 4' BGS, a geosynthetic clay liner (GCL) was installed with clean, imported blow sand on either side to serve as padding. The remaining 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 box site to mark the presence of the GCL below. NMOCD was notified of potential groundwater impact on 12/8/2008.

**ADDITIONAL EVALUATION IS LOW PRIORITY**

enclosures: photos, lab results, PiD field screening, cross section, 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 12-10-08

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

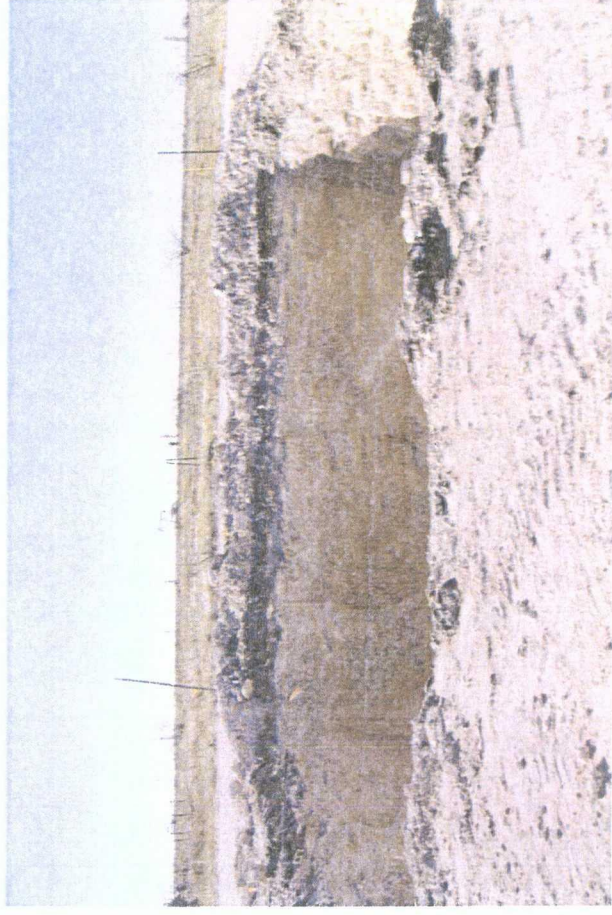
# **Vacuum Marathon 3 Warn St. 'B' EOL**

Unit G, Section 33, T17S, R35E



undisturbed junction box, facing north

11/10/2005



30x25x12-ft-deep excavation, facing south

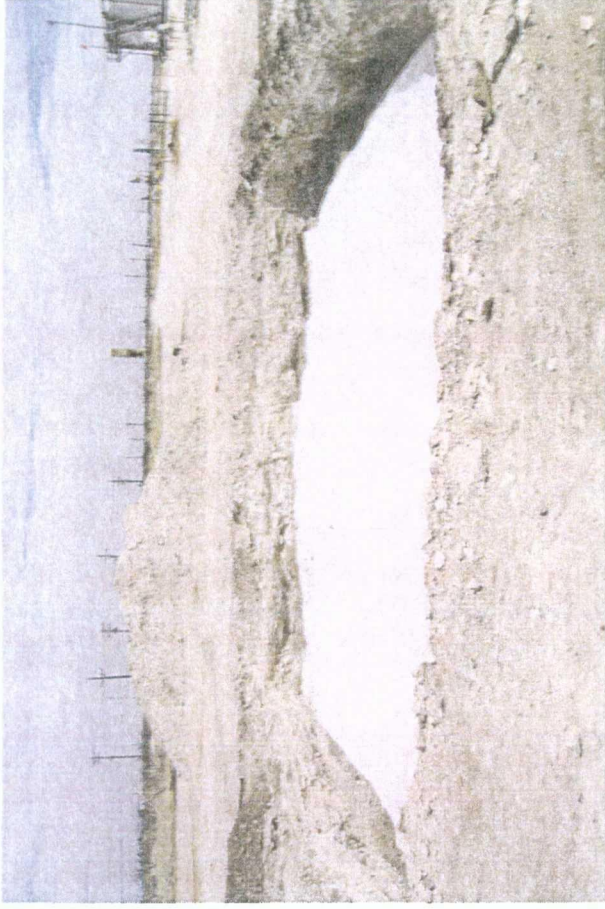
2/28/2008





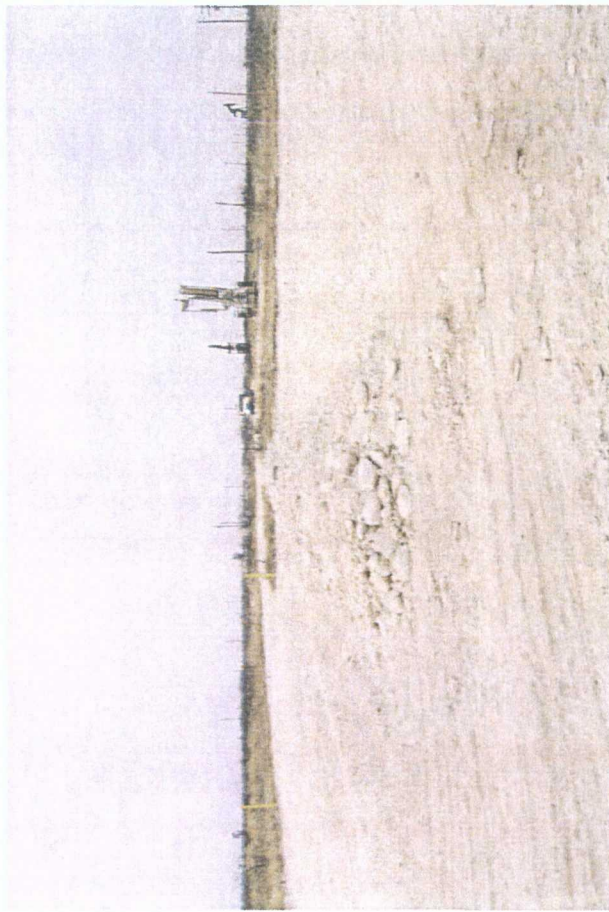
site backfilled up to 4' BGS in preparation for GCL

3/26/2008



geosynthetic clay liner (GCL) installed

3/26/2008



site complete, facing west

3/28/2008



GCL marker

3/28/2008



# CARDINAL LABORATORIES

PHONE (575) 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: (575) 397-1471

COPY

Receiving Date: 02/28/08  
Reporting Date: 02/29/08  
Project Owner: NOT GIVEN  
Project Name: VAC. MARATHON WARN ST. A/C 3 DRINKARD EOL  
Project Location: NOT GIVEN

Sampling Date: 02/27/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: CK/AB

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	Cl* (mg/kg)
		02/28/08	02/28/08	02/28/08
H14337-1	5 PT. BTM. COMP. @ 12' BGS	<10.0	<10.0	912
H14337-2	4 WALL COMP. @ 30'X25'X12'D	<10.0	<10.0	1390
H14337-3	BLENDED BACKFILL	<10.0	<10.0	1150
Quality Control		418	470	490
True Value QC		500	500	500
% Recovery		83.6	94.0	98.0
Relative Percent Difference		6.4	2.7	<0.1

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

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

RECEIVED

MAR 05 2008

RICE OPERATING  
HOBBS, NM

Chemist

Date

H14337TCL RICE

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## CARDINAL LABORATORIES

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

[illegible]

# 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	X
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-012383
MODEL: PGM 7600	SERIAL NO: 110-012920
MODEL: M5PID	SERIAL NO: SK107-008011

OFF

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON WARN ST AC 3 DRINKARD BATTERY EOL	G	33	17S	35E
SAMPLE ID		PID	SAMPLE ID		PID
FINAL SAMPLES					
5PT BOTTOM COMP @ 12'BGS		0			
4WALL COMP @ 30' X 25'W X 12'D		0			
BLENDED BACKFILL		0			

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

SIGNATURE:

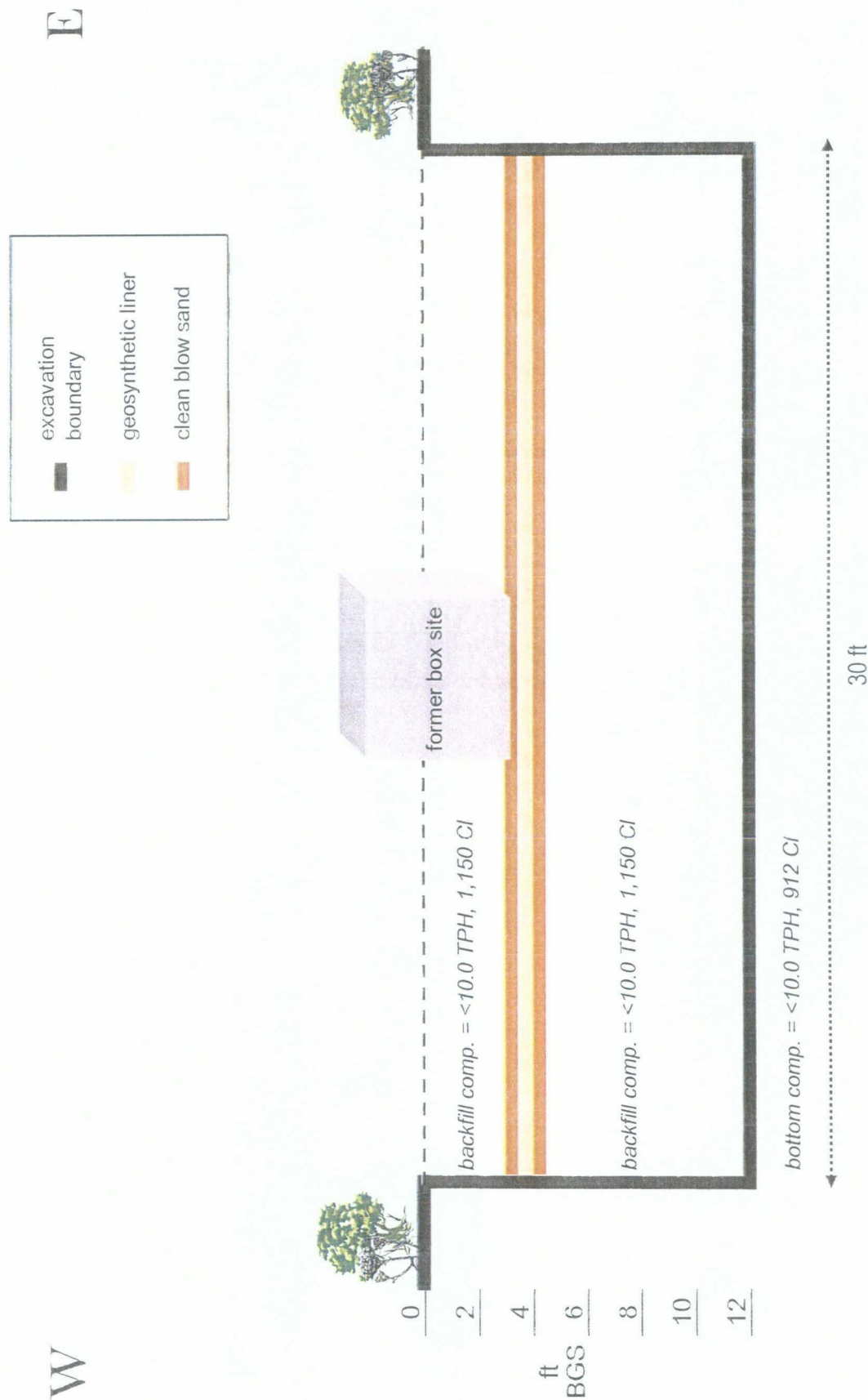
*Ray R. Robison*

DATE: 2-27-08



Vacuum Marathon 3 Warn St. 'B' EOL  
Unit 'G', Sec. 33, T17S, R35E

# Excavation Cross-Section



# CHLORIDE CONCENTRATION CURVE

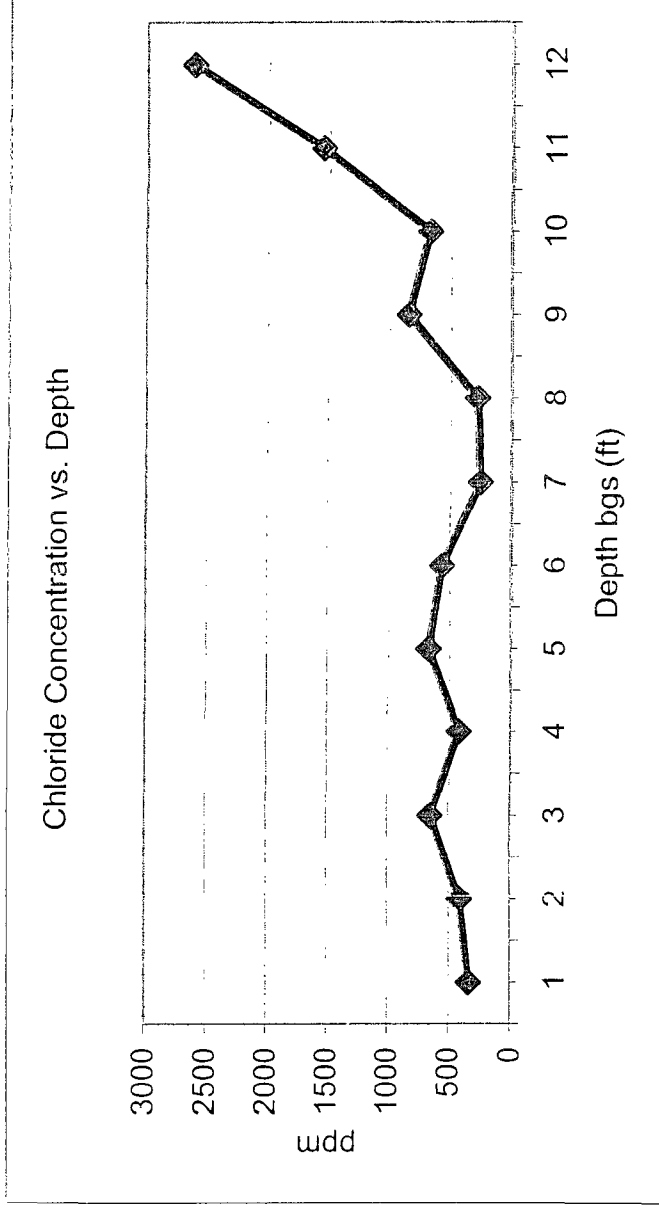
RICE Operating Company

## Vacuum Marathon 3 Warn St. 'B' EOL

Unit 'G', Sec. 33, T17S, R35E

Backhoe samples at 10 ft west of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	335
2	410
3	646
4	414
5	665
6	556
7	247
8	275
9	836
10	658
11	1541
12	2603



Groundwater = 85 ft