

1R - 425-52

# REPORTS

DATE:

9-22-08

5

Vacuum M-33 Vent

1R425-52

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
Vacuum	vent M-33	M	33	17S	35E	Lea	no box; system abandonment		

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

Depth to Groundwater 55 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40\*

Date Started 3/4/2008 Date Completed 3/20/2008 OCD Witness no

Soil Excavated 8 cubic yards Excavation Length 5 Width 3 Depth 14 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 3/4/2008 Sample Depth 14 ft

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
SOURCE 14' GRAB	0.7	<10.0	<10.0	208

LOCATION	DEPTH	mg/kg
background	6"	77
vertical delineation trench at junction (source)	10'	168
	11'	183
	12'	400
	13'	288
	14'	277

General Description of Remedial Action: This junction was addressed under the Vacuum SWD System abandonment. After this junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 5x3x14-ft-deep hole. Chloride field tests were performed on each sample, which yielded low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. The deepest sample, 14 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was returned to the excavation and clean, imported soil was used to fill the excavation to ground surface and to contour to the surrounding area. On 3/20/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

*\*Small pond 580 ft northwest of site.*

enclosures: photos, lab results, PID screening, 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 9-22-08

# Vacuum vent M-33

Unit M, Section 33, T17S, R35E



undisturbed junction box, facing north

10/25/2005



delineation trench at former junction site, facing south

3/4/2008



delineation trench at former junction site, facing east

3/4/2008



seeding backfilled site, facing north

3/20/2008



# ARDINAL 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

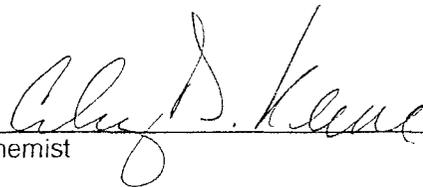
# COPY

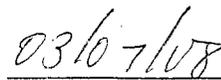
Receiving Date: 03/05/08  
Reporting Date: 03/06/08  
Project Owner: NOT GIVEN  
Project Name: VAC. VENT M-33 BOOT  
Project Location: NOT GIVEN

Sampling Date: 03/04/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: CK/HM

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)	CI* (mg/kg)
ANALYSIS DATE		03/05/08	03/05/08	03/05/08
H14377-1	SOURCE @ 14' BGS GRAB INITIAL	<10.0	<10.0	208
Quality Control		558	560	490
True Value QC		500	500	500
% Recovery		112	112	98.0
Relative Percent Difference		2.8	17.1	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B  
\*Analysis performed on a 1:4 w:v aqueous extract.

  
\_\_\_\_\_  
Chemist

  
\_\_\_\_\_  
Date

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MAR 11 2008

RICE OPERATING  
HOBBS, NM

H14377TCL RICE

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**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

**COPY**

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RICE OPERATING CO.										ANALYSIS REQUEST															
Project Manager: ROY R. RASCON																									
Address: 122 WEST TAYLOR																									
City: HOBBS					State: NM					Zip: 88240															
Phone #: (505) 393-9174					Fax #: (505) 397-1471																				
Project #:																									
Project Name: VAC VENT M-33 BOOT																									
Project Location:																									
Sampler Name: ROY R. RASCON																									
FOR LAB USE ONLY		LAB ID #		SAMPLE I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		DATE		TIME		TPH 8015 M		CL		RTEX	
A4577-1				source @ 14'bgs grab initial		G 1				GROUNDWATER		ACID/BASE		ICE/COOL		OTHER:		3/4/2008		1515		X			
										WASTEWATER		OTHER:													
										OIL															
										SOIL															
										SLUDGE															

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (505) 393-9174 FAX: (505) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

COPY

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

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	VENT M-33 BOOT	M	33	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
VERT @ SOURCE @1'			
2'			
3'			
4'			
5'			
6'			
7'			
8'			
9'			
10'	3.6		
11'	0.4		
12'	0		
13'	0.6		
14'	0.7		

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

SIGNATURE: *Ray R. Carlson*

DATE: 3-4-08

# CHLORIDE CONCENTRATION CURVE

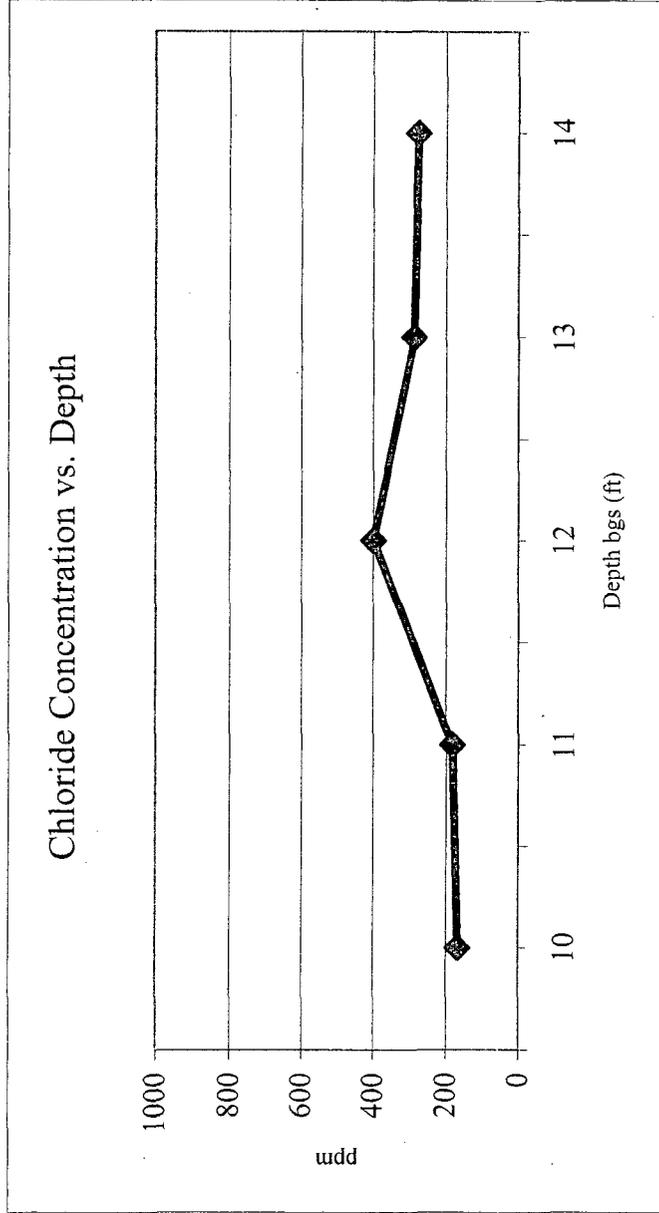
RICE Operating Company

## Vacuum vent M-33

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

*Backhoe samples at junction (source)*

Depth bgs (ft)	[Cl] ppm
10	168
11	183
12	400
13	288
14	277



Groundwater = 55 ft