

1R - 425-70

# REPORTS

DATE:

11-9-09

1R425-70

Vacuum B-27 Vent  
2009

RECEIVED

APR - 6 2010

Environmental Bureau  
Oil Conservation Division

**CLOSURE**

RECEIVED

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

APR - 6 2010  
Environmental Bureau  
Oil Conservation Division

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	B-27 vent	B	27	17S	35E	Lea	eliminated		

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

Depth to Groundwater 52 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/18/2009 Date Completed 6/18/2009 OCD Witness no

Soil Excavated n/a cubic yards Excavation Length n/a Width n/a Depth n/a feet

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

FINAL ANALYTICAL RESULTS: Sample Date 6/18/2009 Sample Depth 6 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	Chloride mg/kg
SB #1 6' GRAB	0.4	<10.0	<10.0	80

LOCATION	DEPTH	mg/kg
background	6"	169
vertical delineation at the junction (source)	2'	174
	3'	175
	4'	171
	5'	196
	6'	146

**General Description of Remedial Action:** This junction was addressed during the Vacuum SWD System abandonment. An investigation was conducted at the former junction box site using a air-rotary drilling rig to collect soil samples at regular intervals. 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, 6 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Lab analysis confirmed low concentrations of each. The entire bore hole was plugged with bentonite to the ground surface. Clean, imported soil was used to backfill the former junction box site and to contour the site to the surrounding area. On 6/25/2009, 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, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR Jordan Woodfin SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 11-13-09

# Vacuum B-27 vent

Unit B, Section 27, T17S, R35E



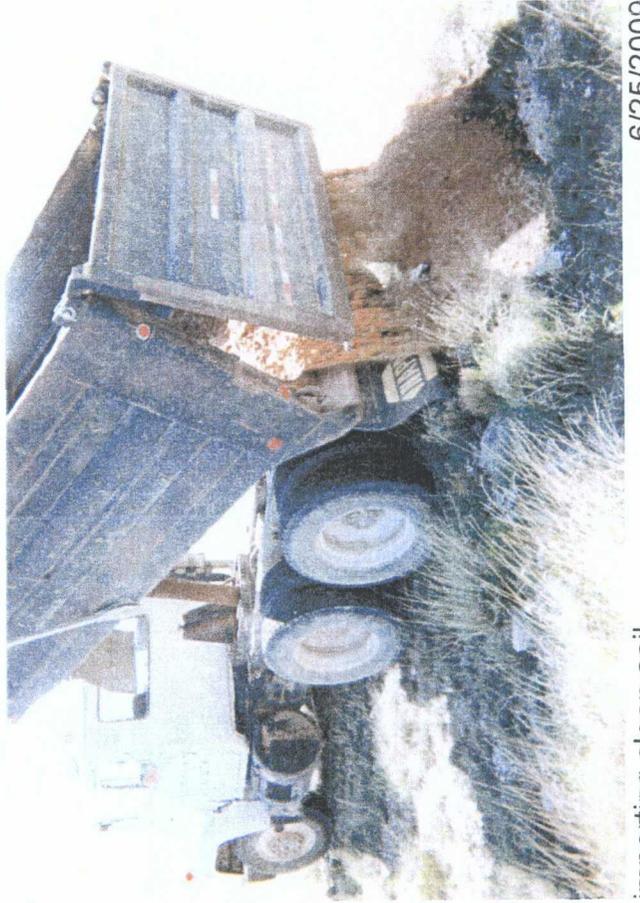
drilling SB #1 at the former junction box

6/18/2009



plugging SB #1 with bentonite

6/18/2009



importing clean soil

6/25/2009



seeding backfilled site

6/25/2009



**CARDINAL  
LABORATORIES**

PHONE (575) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: JORDAN WOODFIN  
122 W. TAYLOR  
HOBBS, NM 88240

COPY

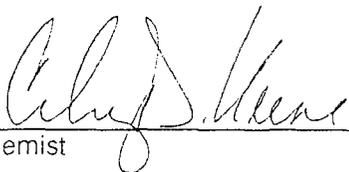
Receiving Date: 06/19/09  
Reporting Date: 06/22/09  
Project Number: NOT GIVEN  
Project Name: VACUUM B-27-VENT  
Project Location: VACUUM B-27 VENT

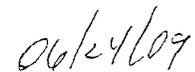
Sampling Date: 06/19/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>29</sub> ) (mg/kg)	(mg/kg)

ANALYSIS DATE	06/19/09	06/19/09	06/19/09
H17666-1 SB #1 @ 6FT	<10.0	<10.0	80
Quality Control	514	551	500
True Value QC	500	500	500
% Recovery	103	110	100
Relative Percent Difference	4.0	5.7	<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. Reported on wet weight.

  
\_\_\_\_\_  
Chemist

  
\_\_\_\_\_  
Date

H17666 TCL RICE

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# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240  
 PHONE: (575) 393-9174 FAX: (575) 397-1471  
 PID METER CALIBRATION & FIELD REPORT FORM

COPY

<input checked="" type="checkbox"/>	Model: PGM 7300	Serial No: 590-000183	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-023920
<input type="checkbox"/>	Model: PGM 7300	Serial No: 590-000508	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-013744
<input type="checkbox"/>	Model: PGM 7300	Serial No: 590-000504	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 3004	EXPIRATION DATE: <del>3004</del> 10-9-10
FILL DATE: 4-9-09	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	VENT B-27	B	27	175	35E

SAMPLE ID	PID	SAMPLE ID	PID
2'	2.6	Background	
3'	11.4	6"	0.2
4'	0.7		
5'	0.6		
6'	0.4		

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

SIGNATURE

DATE: 6-18-09

# CHLORIDE CONCENTRATION CURVE

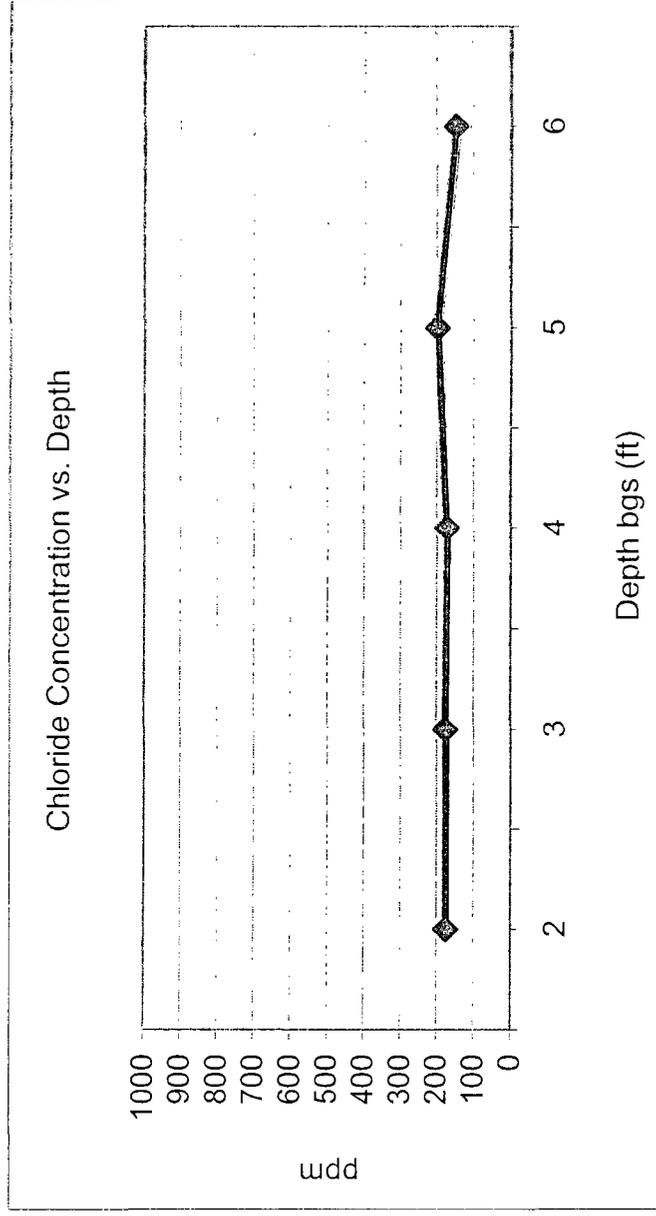
RICE Operating Company

## Vacuum B-27 vent

Unit 'B', Sec. 27, T17S, R35E

Soil Boring samples at the junction (source)

Depth bgs (ft)	Cl <sup>-</sup> ppm
2	174
3	175
4	171
5	196
6	146



Groundwater = 52 ft