

1R - 425-91

**REPORTS**

**DATE:**

2-8-11

1R425-91

**Vacuum B-5-1 EOL**

**2010**

RECEIVED

APR - 1 2011

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

**CLOSURE**

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	B-5-1 EOL	B	5	18S	35E	Lea	Length	Width	Depth
							Eliminated		

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

Depth to Groundwater 66' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/18/2010 Date Completed 6/21/2010 OCD Witness No

Soil Excavated 5.0 cubic yards Excavation Length 5 Width 3 Depth 9 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 6/21/2010 Sample Depth 9 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
SOURCE @ 9'	1.0	<10.0	<10.0	160

LOCATION	DEPTH	mg/kg
background	6"	113
vertical delineation trench at the junction (source)	2'	146
	3'	170
	4'	59
	5'	85
	6'	86
	7'	382
	8'	90
	9'	172

**General Description of Remedial Action:** This junction box was addressed during the Vacuum SWD System abandonment. After the former junction box was removed an investigation was conducted using a backhoe to a collect soil sample at regular intervals creating a 3x5x9-ft deep excavation. Each sample was field tested for chlorides and organic vapors which yielded low concentrations similar to that of the background sample.

The deepest sample, 9 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 to ground surface and contoured to the surrounding area. On 6/21/2010, 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 Gerardo Martinez SIGNATURE Gerardo Martinez COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Zach Conder INITIAL 3C

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 2-8-11

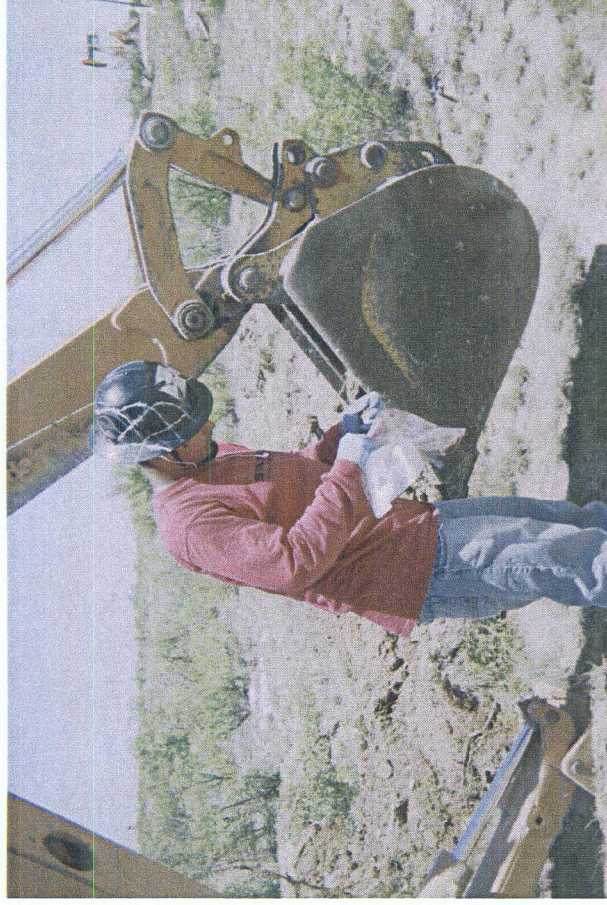
## Vacuum B-5-1 EOL

Unit B, Section 5, T18S, R35E



Site prior to delineation

6/18/2010



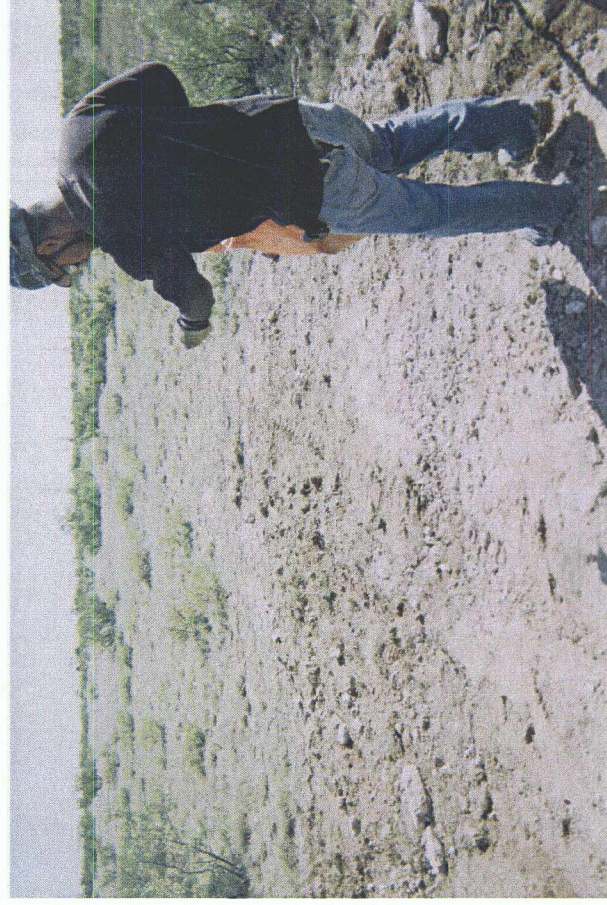
Collecting sample

6/18/2010



Backfilling excavation

6/18/2010



Seeding excavation

6/21/2010



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

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: BRUCE BAKER  
112 W. TAYLOR  
HOBBS, NM 88240

Receiving Date: 06/21/10  
Reporting Date: 06/24/10  
Project Number: NOT GIVEN  
Project Name: VACUUM B-5-1 EOL (18/35)  
Project Location: VACUUM B-5-1 EOL (18/35)

Sampling Date: 06/21/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: JH  
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	
		(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	06/24/10	06/24/10	06/22/10
H20171-1 SOURCE @ 9'	<10.0	<10.0	160
COPY			
Quality Control	448	531	500
True Value QC	500	500	500
% Recovery	89.6	106	100
Relative Percent Difference	0.6	0.5	< 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

H20171 TCL RICE

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ARDINAL LABORATORIES

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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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

Check Model Number:

✓

Model: PGM 7300 Serial No: 590-000183  
Model: PGM 7300 Serial No: 590-000508  
Model: PGM 7300 Serial No: 590-000504


Model: PGM 7600 Serial No: 110-023920  
Model: PGM 7600 Serial No: 110-013744  
Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: <i>930132</i>	EXPIRATION DATE: <i>4-28-2013</i>
FILL DATE:	METER READING ACCURACY: <i>100 PPM</i>

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
<i>Vacuum</i>	<i>B-5-1</i>	<i>B</i>	<i>5</i>	<i>18</i>	<i>35</i>

SAMPLE ID	PID	SAMPLE ID	PID
<i>Background</i>	<i>5-1</i>		
<i>Source @ 2'</i>	<i>234.6</i>		
<i>3'</i>	<i>72.6</i>		
<i>4'</i>	<i>136.7</i>		
<i>5'</i>	<i>7</i>		
<i>6'</i>	<i>71.9</i>		
<i>7'</i>	<i>16.3</i>		
<i>8'</i>	<i>2.8</i>		
<i>9'</i>	<i>1</i>		

COPY

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

SIGNATURE: *Gerardo Martinez*

DATE: *6-21-10*

# Vacuum B-5-1 EOL

Unit 'B', Sec. 5, T18S, R35E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
2	146
3	170
4	59
5	85
6	86
7	382
8	90
9	172

Groundwater = 66 ft

