

1R - 425-94

REPORTS

DATE:

1-28-11

1R425-94

**Vacuum E-31 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		
							Length	Width	Depth
Vacuum	E-31 EOL	E	31	17S	35E	Lea	Eliminated		

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

Depth to Groundwater 112 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20\*

Date Started 4/27/2010 Date Completed 4/27/2010 OCD Witness no

Soil Excavated 3.9 cubic yards Excavation Length 7 Width 3 Depth 5 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 4/27/2010 Sample Depth 5 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 5' GRAB	0.7	<10.0	<10.0	32

LOCATION	DEPTH	mg/kg
background	6"	83
vertical delineation trench at the junction (source)	1	139
	2	142
	3	110
	4	84
	5	55

**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 collect soil sample at regular intervals creating a 7x3x5-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, 5 ft. BGS, was sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentrations. The excavated soil was return to the excavation to ground surface and contoured to the surrounding area. On 5/21/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

\*Two wells within 1320 ft.

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.

REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY  
 PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry B Baker Jr. DATE 1-28-11

# Vacuum E-31 EOL

Unit E, Section 31, T17S, R35E



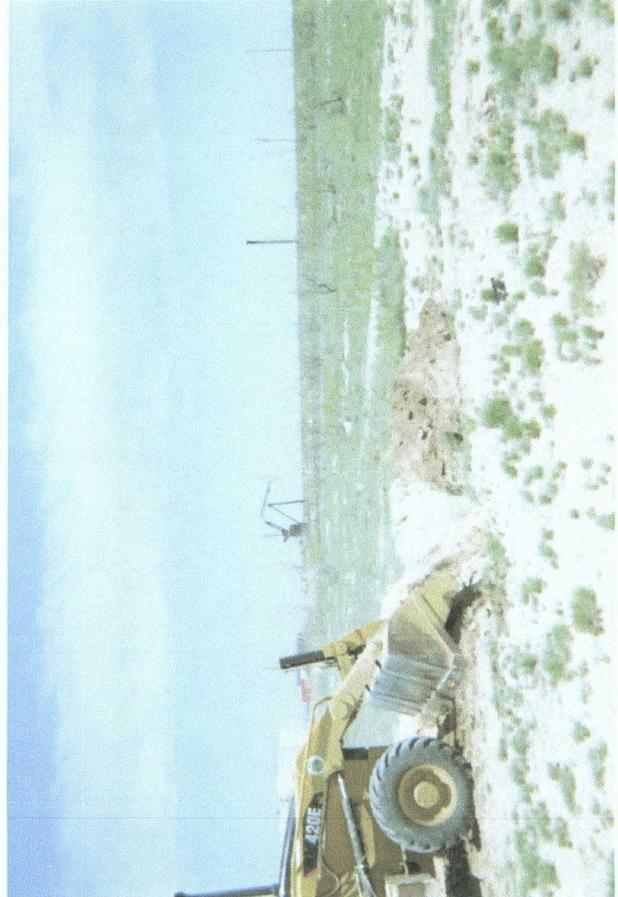
Site prior to delineation

4/27/2010



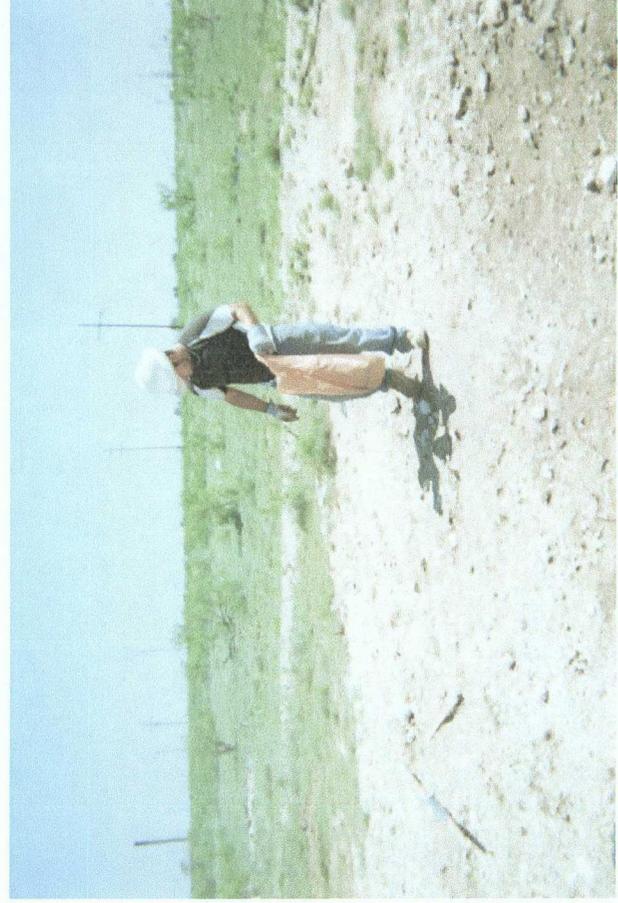
Collecting Sample

4/27/2010



Backfilling excavation

4/27/2010



Seeding excavation

5/21/2010



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

Receiving Date: 04/28/10  
 Reporting Date: 04/30/10  
 Project Number: NOT GIVEN  
 Project Name: VAC. E-31 EOL  
 Project Location: VAC. E-31 EOL

Sampling Date: 04/27/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: JH  
 Analyzed By: AB/HM

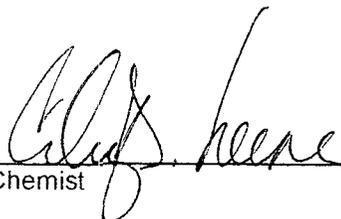
LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	(mg/kg)

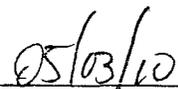
ANALYSIS DATE	04/29/10	04/29/10	04/30/10
H19769-1 SOURCE GRAB @ 5'	<10.0	<10.0	32
<b>COPY</b>			
Quality Control	579	566	500
True Value QC	500	500	500
% Recovery	116	113	100
Relative Percent Difference	5.0	2.8	< 0.1

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

H19769 TCL RICE



**ARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <i>Rice Operating Company</i>	P.O. #:	ANALYSIS REQUEST
Project Manager: <i>Bruce Baker</i>	Company:	
Address: <i>122 W. Taylor</i>	Attn:	
City: <i>Hobbs</i>	Address:	
Phone #: <i>393-9174</i>	City:	
State: <i>NM</i>	State:	
Zip: <i>88240</i>	Phone #:	
Fax #: <i>397-1471</i>	Fax #:	
Project #: _____	Project Owner:	
Project Name: <i>Var. E-31 EOL</i>	Project Location:	
Sampler Name: <i>Zach Conder</i>		

*TPH 8015M*  
*✓*  
*✓*

**COPY**

Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX			PRESERV			SAMPLING			DATE	TIME
			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			
<i>H197169-1</i>	<i>Source grab @ S1</i>	<i>6</i>	<input checked="" type="checkbox"/>	<i>4-27-10</i>	<i>12:00pm</i>								

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 the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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.

Relinquished By: <i>[Signature]</i>	Date: _____	Received By: _____	Time: _____
Relinquished By: _____	Date: <i>4/28/10</i>	Received By: <i>Jodi Jensen</i>	Time: <i>10:45</i>
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	Cool/Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>	
	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS: <i>Email results to baker@rice.swd.com and jpruis@rice.swd.com</i>	
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		

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

*#26*

# 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:

<b>X</b>

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: <u>927011</u>	EXPIRATION DATE: <u>11-16-2012</u>
FILL DATE: <u>11-13-09</u>	METER READING ACCURACY: <u>100 ppm</u>

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	E-31 EOL	E	31	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
Background	1.0	Source @ 1'	0.6
		2'	1.0
		3'	1.5
		4'	1.5
		5'	0.7

COPY

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

SIGNATURE:

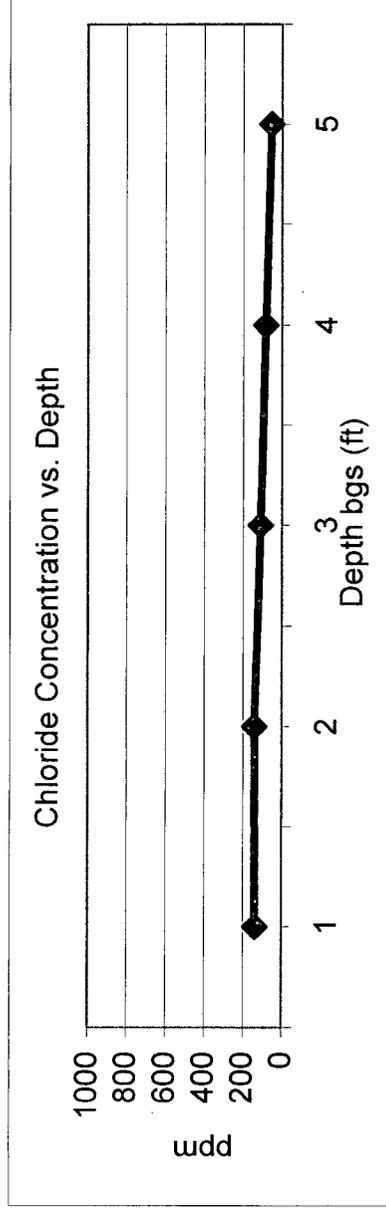
DATE: 4-27-10

# Vacuum E-31 EOL

Unit 'E', Sec. 31, T17S, R35E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	139
2	142
3	110
4	84
5	55



Groundwater = 112 ft.