1R - 425-91

REPORTS

DATE:

2-8-11

IR425-91

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		
							Length	Width	Depth
Vacuum	B-5-1 EOL	B	5	18S	35E	Lea	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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SOURCE @ 9'	1.0	<10.0	<10.0	160

CHLORIDE FIELD TESTS

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 ZC

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

CARDINAL LABORATORIES

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 NUMBE SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE	06/24/10	06/24/10	06/22/10
H20171-1 SOURCE @ 9'	<10.0	<10.0	160
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; Cl: Std. Methods 4500-Cl B
*Analysis performed on a 1:4 w:v aqueous extract.
Reported on wet weight.

Chemist

Date 06/28/10

H20171 TCL RICE

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Rice Operating Company	**BILL TO**	ANALYSIS REQUEST
Project Manager:	Bruce Baker	P.O. #:	
Address:	122 W. Taylor	Company:	
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575-393-9174 Fax #: 575-397-1471	Address:	
Project #:	Project Owner:	City:	
Project Name:	Vacuum B-5 #1 E02 18/35	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	Gerardo Martinez	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																
H20171-1	Source @ 9'	G	1			✓					✓		6-21-10	9:18	✓		✓													

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 analyses. 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:	Date: 6-21-10	Received By:		Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Gerardo	Time: 9:18 AM			Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date: 6/21/10	Received By:		REMARKS: E-Mail Results To:	
	Time: 4:55	Jodi Henson		KJones@ricesud.com	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	Bbaker " "	
Sampler - UPS - Bus - Other:		Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials)	REgans " " "	

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

#26

RICE OPERATING COMPANY

122 West Tayor 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 7600	Serial No: 110-023920
✓	Model: PGM 7300	Serial No: 590-000508			Model: PGM 7600	Serial No: 110-013744
	Model: PGM 7300	Serial No: 590-000504			Model: PGM 7600	Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

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

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	B-5-1	B	5	18	35

SAMPLE ID	PID	SAMPLE ID	PID
Background	5.1		
Source @ 2'	239.6		
3'	72.6		
4'	136.7		
5'	7		
6'	71.9		
7'	16.3		
8'	2.8		
9'	1		

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

SIGNATUE: 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⁻] ppm
2	146
3	170
4	59
5	85
6	86
7	382
8	90
9	172

Groundwater = 66 ft