1R - 426-164

REPORTS

DATE:

4-1-08

BD Jct K-23

IR426-164

CLOSURE

4-1-08

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	jct. K-23	K	23	21S	37E	Lea	moved 40 ft southeast		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 36 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30 *

Date Started 1/24/2007 Date Completed 2/26/2007 NMOCD Witness no

Soil Excavated 200 cubic yards Excavation Length 20 Width 20 Depth 12-15 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 1/29/2007, 2/9/2007 **Sample Depth** 12-15 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.5	<10.0	<10.0	<16
BOTTOM COMP. 12-15 ft	9.8	<10.0	169.0	32
BACKFILL COMP.	1.9	<10.0	<10.0	<16

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction (source)	4	267
	5	282
	6	230
	7	265
	8	235
	9	270
	10	230
	11	258
	12	199
	13	88
	14	185
	15	169
4-wall comp.	n/a	234
bottom comp.	12-15	116
backfill comp.	n/a	257

General Description of Remedial Action:

This junction box site was addressed with the pipeline replacement/upgrade program. A new, replacement junction box was built 40 ft southeast. After the box lumber was removed from the former junction site, a backhoe was used to collect soil samples at regular intervals producing a 20 x 20 ft square excavation. Chloride field tests revealed low concentrations throughout. Organic vapors were measured using a PID and also yielded low concentrations. However, a small 3 x 3 ft area at the floor of the 12-ft excavation exhibited hydrocarbon-stained soil. This 3 x 3 ft area was excavated to 15 ft BGS to removed the stained soil. Representative composite samples were collected from the excavation floor, walls, and excavated soil for laboratory analysis. Resultant TPH concentrations on the walls meet NMOCD guidelines but were not met on the bottom sample. The small amount of TPH left below the excavation can be expected to naturally attenuate. The excavated soil was blended on site and returned to the hole and contoured to the surrounding surface. The disturbed area was seeded with a blend of native vegetation on 2/28/2007 and is expected to return to productive capacity at a normal rate.

** A supply well for a nearby gas plant is located 897 ft north of this site.*

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy K. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 7/10/2007 TITLE Project Scientist

BD jct. K-23

Unit K, Section 23, T21S, R37E

undisturbed junction box 5/31/2006

collecting samples from excavation January 2007

completing backfill of excavation 2/26/2007

seeding backfilled site; new junction box in background 2/26/2007

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 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: (505) 397-1471

Receiving Date: 02/09/07
Reporting Date: 02/14/07
Project Number: NOT GIVEN
Project Name: B.D. K23 VENT JCT
Project Location: NOT GIVEN

Sampling Date: 02/09/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		02/13/07	02/13/07	02/12/07
H12182-1	BOTTOM 5PT COMP. RESAMPLE	<10.0	169	32
Quality Control		752	784	490
True Value QC		800	800	500
% Recovery		94.0	97.9	98
Relative Percent Difference		7.0	0.5	1.0

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.

COPY

Chemist

2/14/07
Date

H12182

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page____ of____

Company Name: Rice operating	**BILL TO**
Project Manager: Roy R. Rascone	P.O. #:
Address: 122 w taylor	Company:
City: Hobbs State: N.M Zip: 88240	Attn:
Phone #: 393-9174 Fax #: 397-1471	Address:
Project #: Project Owner:	City:
Project Name: B.D K23 Vent Jct	State: Zip:
Project Location:	Phone #:
Sampler Name: Darnell Mitchell	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	8015 m TPH
H12182-1	Bottom Spt Comp. Resample	C	1			✓					✓		2-9-07	1:pM	X	X

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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Darnell Mitchell	Date: 2-9-07 Time: 4:20PM	Received By: Nil Fullerton	Phone Result: ☐ Yes ☐ No
Relinquished By:	Date: Time:	Received By: (Lab Staff)	Fax Result: ☐ Yes ☐ No REMARKS: E mail to Roy Rascone
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Temp, °C: Intact? ☒ Yes ☐ No	Checked By: (Initials) M.A.	

† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
Phone: (505) 393-9174 Fax: (505) 397-1471

VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.	☑	MODEL: PGM 761S	SERIAL NO: 104412
MODEL	☐	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	☐	MODEL: PGM 7600	SERIAL NO: 110-12383
	☐	MODEL: PGM 7600	SERIAL NO: 110-012920

LOT NO: 06-3079 GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

FILL DATE: 6-16-06 EXP. DATE: 2-16-07

ACCURACY: +/- 2% METER READING ACCURACY: 100.5

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
B.D	K 23	K	23	21-S	37 E

5pt Bottom Composite 5pt composite

SAMPLE	Depth	PID Results	Sample	PID Results
1	12'	7.2	5pt composite (12-15 ft)	9.8
2	12'	5.0		
3	15'	31.7		
4	12'	21.5		
5	12'	15.8		

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

SIGNATURE: Darrell Mitchell DATE: 2-9-07

20 x 20' x 12'

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
Phone: (505) 393-9174 Fax: (505) 397-1471

VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.			
MODEL NO.	☐	MODEL: PGM 761S	SERIAL NO: 104412
	☑	MODEL: PGM 7600	SERIAL NO: 110-013744
	☐	MODEL: PGM 7600	SERIAL NO: 110-12383
	☐	MODEL: PGM 7600	SERIAL NO: 110-012920

LOT NO: 05-2992
GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE
FILL DATE: 11-28-05
EXP. DATE: 5-28-07
ACCURACY: +/- 2%
METER READING ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	V. K-23	K	23	21S	37E

SAMPLE		PID Results	Sample		PID Results
N. WALL	SP # 1	5.6	E. WALL Comp	SP # 1	5.2
	2	1.6		2	16.3
	3	1.4		3	4.8
	4	6.6		4	1.1
	5	4.4		5	2.7
N. WALL Comp.		2.3	E. WALL Comp		2.3
S. WALL	SP # 1	3.2	W. WALL Comp	SP # 1	3.5
	2	2.2		2	1.9
	3	4.8		3	5.5
	4	11.3		4	2.0
	5	5.3		5	9.0
S. WALL Comp.		0.0	W. WALL Comp		3.7
4 WALL Comp		0.5	Blended Backfill		1.9
5 PT BTM Comp @ 12'		16.7			

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

SIGNATURE: _____ DATE: 1-29-07