1R - 423-19

REPORTS

DATE:

3-25-10

IR423-19

Justis Jct I-16
2009

RECEIVED
APR - 6 2010
Environmental Bureau
Oil Conservation Division

CLOSURE

RECEIVED
APR - 6 2010
Environmental Bureau
Oil Conservation Division

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Justis	Jct. I-16	I	16	24S	37E	Lea	eliminated		

LAND TYPE: BLM ___ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 84 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/9/2009 Date Completed 9/30/2009 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 9/30/2009 Sample Depth 12 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 12' GRAB	5.0	<10.0	17.6	144

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6"	111
vertical delineation at the junction (source)	3'	3,252
	4'	2,678
	5'	2,805
	6'	2,939
	7'	2,399
	8'	1,749
	9'	1,608
	10'	867
	11'	651
	12'	625

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. An investigation was conducted at the former junction box site using an air-rotary drilling rig to collect soil samples at regular intervals. Soils at this location are made up of caliche and sand stone which prevented a backhoe delineation. Chloride field tests were performed on each sample which yielded elevated concentrations that decreased to low concentrations. Organic vapors, measured using a PID, yielded low concentrations. The deepest sample, 12 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentration of each. The entire bore hole was plugged with bentonite to the ground surface. Clean, imported soil was used to contour the site to the surrounding area. On 9/30/2009, 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 Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-25-10

Justis Jct. I-16

Unit I, Section 16, T24S, R37E

drilling the soil bore at
the former junction box site 9/30/2009

contouring the site with clean, imported soil 9/30/2009

plugging the soil bore with bentonite 9/30/2009

seeding the backfilled site 9/30/2009

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 09/30/09
Reporting Date: 10/05/09
Project Owner: NOT GIVEN
Project Name: JUSTIS JCT I-16
Project Location: JUSTIS JCT I-16

Sampling Date: 09/30/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		10/01/09	10/01/09	10/01/09
H18371-1	INITIAL @ 12'	<10.0	17.6	144
Quality Control		508	517	500
True Value QC		500	500	500
% Recovery		102	103	100
Relative Percent Difference		<0.1	<0.1	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analysis performed on a 1:4 w:v aqueous extract. Reported on wet weight.

**DRO surrogate outside historical limits due to matrix interference.

Chemist

Date

H18371 TOL 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
Project Manager: Hack Conder	P.O. #:
Address: 122 West Taylor	Company:
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 393-9174 Fax #: 397-1471	Address:
Project #: Project Owner:	City:
Project Name: Jurs jct I-16	State: Zip:
Project Location: Jurs jct I-16	Phone #:
Sampler Name: Lara Weinheimer	Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST												
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	Chlorides	TPH 8015 M	BTEX	Texas TPH											
H [illegible]	Initial @ 12'	G	1			X					X		6-30-06	10:21a	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.

Relinquished By: L. Weinheimer	Date: Time:	Received By:	Phone Result: ☐ Yes ☑ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☑ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) MCP	REMARKS: email results Hconder@riceswd.com; jpurvis@riceswd.com; Lweinheimer@riceswd.com

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

NEED SAMPLES BACK, PLEASE

RICE OPERATING COMPANY

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

CK		MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL	✓	MODEL: PGM 7300	SERIAL NO: 590-000508 ✓
NO.		MODEL: PGM 7600	SERIAL NO: 110-12383
		MODEL: PGM 7600	SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO:	924908	EXPIRATION DATE:	7-19-2012
FILL DATE:	3-9-09	METER READING ACCURACY:	100.5

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
Justis	sct I-16	I	16	T 24 S	R 37 E

SAMPLE ID: soil base = 1 / Initial

DEPTH	PID
3'	92.8
4'	49.0
5'	10.4
6'	8.1
7'	3.7

DEPTH	PID

DEPTH	PID

DEPTH	PID

DEPTH	PID
8'	10.0
9'	11.0
10'	8.7
11'	5.7
12'	5.0

DEPTH	PID

DEPTH	PID

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

Signature _____ Date 9-30-09

SITE MAP

N

Justis Jct. I-16

Unit 'I', Sec. 16, T24S, R37E

Vertical Delineation samples at the junction (source)

Depth bgs (ft)	[Cl] ppm
3	3,252
4	2,678
5	2,805
6	2,939
7	2,399
8	1,749
9	1,608
10	867
11	651
12	625

Groundwater = 84 ft