

1R - 426-244

REPORTS

DATE:

3-25-10

BD Jct C-29
2009

RECEIVED

ADD - 6 2010

Environmental Bureau
Oil Conservation Division

1R426-244

CLOSURE

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

RECEIVED

APP - 6 2010

Environmental Conservation Bureau Division

BOX LOCATION							BOX DIMENSIONS	
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length 16'	Width 4'
Blaine-Drinkard (BD)	Jct. C-29	C	29	21S	37E	Lea		eliminated

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck Estate OTHER _____

Depth to Groundwater 90 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/7/2007 Date Completed 7/12/2007 OCD Witness no

Soil Excavated 44.4 cubic yards Excavation Length 10 Width 10 Depth 12 feet

Soil Disposed 72 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 7/3/2007, 7/12/2007 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	PID = 67.3 (field)				<10.0	319	240
BOTTOM COMP.	<0.005	<0.005	<0.005	<0.015	<10.0	310	192
BLENDED BACKFILL	PID = 66.7 (field)				<10.0	609	1040

General Description of Remedial Action: This junction box was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect samples at regular intervals producing a 10x10x12-ft deep excavation. Chloride field tests were performed on each sample which yielded low concentrations. Organic vapors, measured using a PID, yielded some elevated concentrations. The excavated soil was blended on-site and representative composite samples were collected from the blended backfill, the bottom of the excavation, and the excavation walls. The representative samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis confirmed low concentrations of chloride, TPH, and BTEX in the excavation bottom and 4-wall composite but elevated concentrations of chloride in the blended backfill. Due to the elevated concentrations of chloride, the blended backfill was disposed of at an offsite facility. Clean soil was imported to be utilized as backfill of the excavation. The imported backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 7/12/2007, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	503
bottom comp.	12'	253
blended backfill	n/a	1008
vertical delineation trench at the junction (source)	5'	117
	6'	504
	7'	182
	8'	172
	9'	60
	10'	119
	11'	241
	12'	262

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

BD Jct. C-29

Unit C, Section 29, T21S, R37E



former junction box

6/7/2007



collecting a soil sample

7/2/2007



excavating the former junction box site

7/2/2007



hauling off the excavated soil

7/11/2007



backfilling the excavation with clean, imported soil

7/11/2007



seeding the backfilled site

7/12/2007



ARDINAL LABORATORIES

PHONE (325) 673-7001

RECEIVED
2111 BEECHWOOD AVE. ABILENE, TX 79603

PHONE (505) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240

JUL 13 2007

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

RICE OPERATING
HOBBS NM

Receiving Date: 07/05/07
Reporting Date: 07/09/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: BD JCT C-29

Sampling Date: 07/03/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
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ANALYSIS DATE		07/06/07	07/06/07	07/05/07
H12857-1	5 PT. BOTTOM COMP	<10.0	310	192
H12857-2	4 WALL COMP	<10.0	319	240
H12857-3	BOTTOM #1 SW	<10.0	<10.0	512
H12857-4	BOTTOM N-W #2	<10.0	874	400
H12857-5	BOTTOM #3-CENTER	<10.0	464	48
H12857-6	BOTTOM #4 SE	<10.0	334	144
H12857-7	BOTTOM #5 NE	<10.0	925	224
H12857-8	BLENDED BACKFILL	<10.0	609	1040
Quality Control		794	782	500
True Value QC		800	800	500
% Recovery		99.3	97.8	100
Relative Percent Difference		1.4	0.4	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI^B

*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

H12857A RICE

7/9/07
Date

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 client for 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 thirty (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.



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PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

JUL 13 2007

RICE OPERATING
HOBBS NM

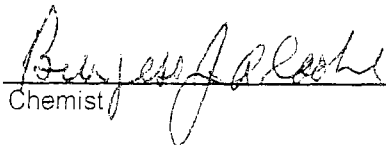
Receiving Date: 07/05/07
Reporting Date: 07/06/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: BD JCT C-29

Sampling Date: 07/03/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

COPY

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/05/07	07/05/07	07/05/07	07/05/07
H12857-1	5 PT. BOTTOM COMP	<0.005	<0.005	<0.005	<0.015
H12857-3	BOTTOM #1 SW	<0.005	<0.005	<0.005	<0.015
H12857-4	BOTTOM N-W #2	<0.005	<0.005	<0.005	<0.015
H12857-5	BOTTOM #3-CENTER	<0.005	<0.005	<0.005	<0.015
H12857-6	BOTTOM #4 SE	<0.005	<0.005	<0.005	<0.015
H12857-7	BOTTOM #5 NE	<0.005	<0.005	<0.005	<0.015
Quality Control		0.098	0.090	0.090	0.252
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97.8	89.8	90.0	84.0
Relative Percent Difference		4.6	3.3	7.5	9.5

METHOD: EPA SW-846 8260


Chemist

7/6/07
Date

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 client for 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 thirty (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.

ARDINAL LABORATORIES, INC.

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: <u>W. J. WILSON CO.</u>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>BOB FAY</u>		Company:			
Address: <u>101 W. LEXINGTON</u>		Attn:			
City: <u>LEXINGTON</u>		Address:			
State: <u>MA</u> Zip: <u>01840</u>		City:			
Phone #: <u>390-1111</u>		State:			
Fax #: <u>390-1111</u>		Phone #:			
Project Owner:		Fax #:			
Project Name:					
Project Location: <u>BOY LEE CAMP</u>					
Sampler Name: <u>BOB FAY</u>					
LAB USE ONLY					
Lab I.D.	Sample I.D.	MATRIX	PRESERV.	SAMPLING	
		GROUNDWATER	ACID/BASE	DATE	TIME
112857-2	5 Ft. Bottom Camp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	9:00 AM
112857-3	4 Yd. Camp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	9:20 AM
112857-4	Bottom of 1 SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	11:00 AM
112857-5	Bottom of 3 - Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	11:30 AM
112857-6	Bottom of 4 SE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	11:45 AM
112857-7	Bottom of 5 NE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	2:00 PM
112857-8	Shaded Backfill	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7-3-07	2:30 PM

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 official date of invoice and all costs of collections, including attorney's fees.

Phone Result: ☐ Yes ☐ No Fax Result: ☐ Yes ☐ No

REMARKS: See 112857-2 112857-3 112857-4 112857-5 112857-6 112857-7 112857-8

Received By: (Lab Staff) W. J. Wilson Checked By: W. J. Wilson

Date: 7-3-07 Time: 9:00 AM

Delivered By: (Circle One) Sample - UPS - Bus - Other:

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

FINAL
10' X 10' X 12' BGS

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

COPY

CK.
MODEL
NO.

☒
☐
☐
☐

MODEL: PGM 761S
MODEL: PGM 761S
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 104412
SERIAL NO: 104490
SERIAL NO: 110-12383
SERIAL NO: 110-012920

LOT NO: 06 - 2570

FILL DATE: 8-15-07

ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

EXP. DATE: 12-16-07

METER READING ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	LOT C-29	C	29	Tals	R37E

Bottom

SAMPLE	PID Results	Sample	PID Results
1	5.3		
2	99.5		
3	97.0		
4	49.7		
5	109		
Soil Bottom Comp	31.05		
4" Wall Comp	67.3		
Blended Backfill	66.7		

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

SIGNATURE: Travis Barber

DATE: 7-3-07

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

BD Jct. C-29

Unit 'C', Sec. 29, T21S, R37E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
5	117
6	504
7	182
8	172
9	60
10	119
11	241
12	262

Groundwater = 90 ft

