1R - 423-17

REPORTS

DATE:

7-22-08

5

1R423-17

Justis Jct C-1 Vent
(2 Boxes)

RECEIVED
MAR 25 2009
Environmental Bureau
Oil Conservation Division

Disclosure

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET			
Justis	Jct. C-1 vent (2 boxes)	C	1	26S	37E	Lea	North Box	Length 4'6"	Width 4'	Depth 1'
							South Box	Length 7'6"	Width 4'	Depth 2'
							eliminated			

LAND TYPE: BLM ___ STATE ___ FEE LANDOWNER Joyce and George Willis OTHER ___

Depth to Groundwater 184 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 8/8/2007 Date Completed 2/20/2008 OCD Witness no

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 144.0 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: **Sample Date** 11/13/2007, 2/15/2008 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. 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
4-WALL COMP.	0.6	<10.0	<10.0	2000
BOTTOM COMP.	5.5	<10.0	<10.0	5758
BACKFILL 12'-6' BGS	3.9	<10.0	<10.0	2679
BACKFILL 5'-0' BGS				560

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	2134
bottom comp.	12'	3675
backfill comp.	n/a	2558
vertical delineation 15 feet west of junction (source)	1'	79
	2'	110
	3'	110
	4'	123
	5'	186
	6'	202
	7'	871
	8'	1145
	9'	1745
	10'	2382
	11'	2842
	12'	4566

General Description of Remedial Action: These junction boxes were eliminated during the pipeline replacement/upgrade program. After the boxes were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals, producing a 30x30x12-ft deep hole. Chloride field tests were performed on each sample, yielding elevated levels that did not relent with depth. Organic vapors were measured using a PID, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis. The excavated soil was then blended on site and returned to the excavation up to 6 ft below ground surface. A 6-ft-deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare for the clay barrier. At 6-5 ft BGS, a 1-ft-thick clay barrier was installed. A portion of the remaining backfill was then disposed of and the remainging soil was blended with clean, imported soil and returned to the excavation. An identification plate was place on the surface at the former junction site to mark the presence of the clay below. NMOCD was notified of the potential groundwater impact on 07/22/2008.

ADDITIONAL EVALUATION IS LOW PRIORITY

enclosures: photos, cross-section, lab results, PID screening, chloride graph, clay test

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 7-22-08

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

Justis Jct. C-1 vent

Unit C, Section 1, T26S, R37E

undisturbed junction boxes, facing west 8/08/2007

30x30x12-ft-deep excavation 11/14/2007

backfilling excavation site 11/16/2007

5 ft north shelf being excavated, facing north 2/08/2008

Justis Jct. C-1 vent

Unit C, Section 1, T26S, R37E

compaction test on clay barrier 2/14/2008

backfilling excavation site, facing north 2/14/2008

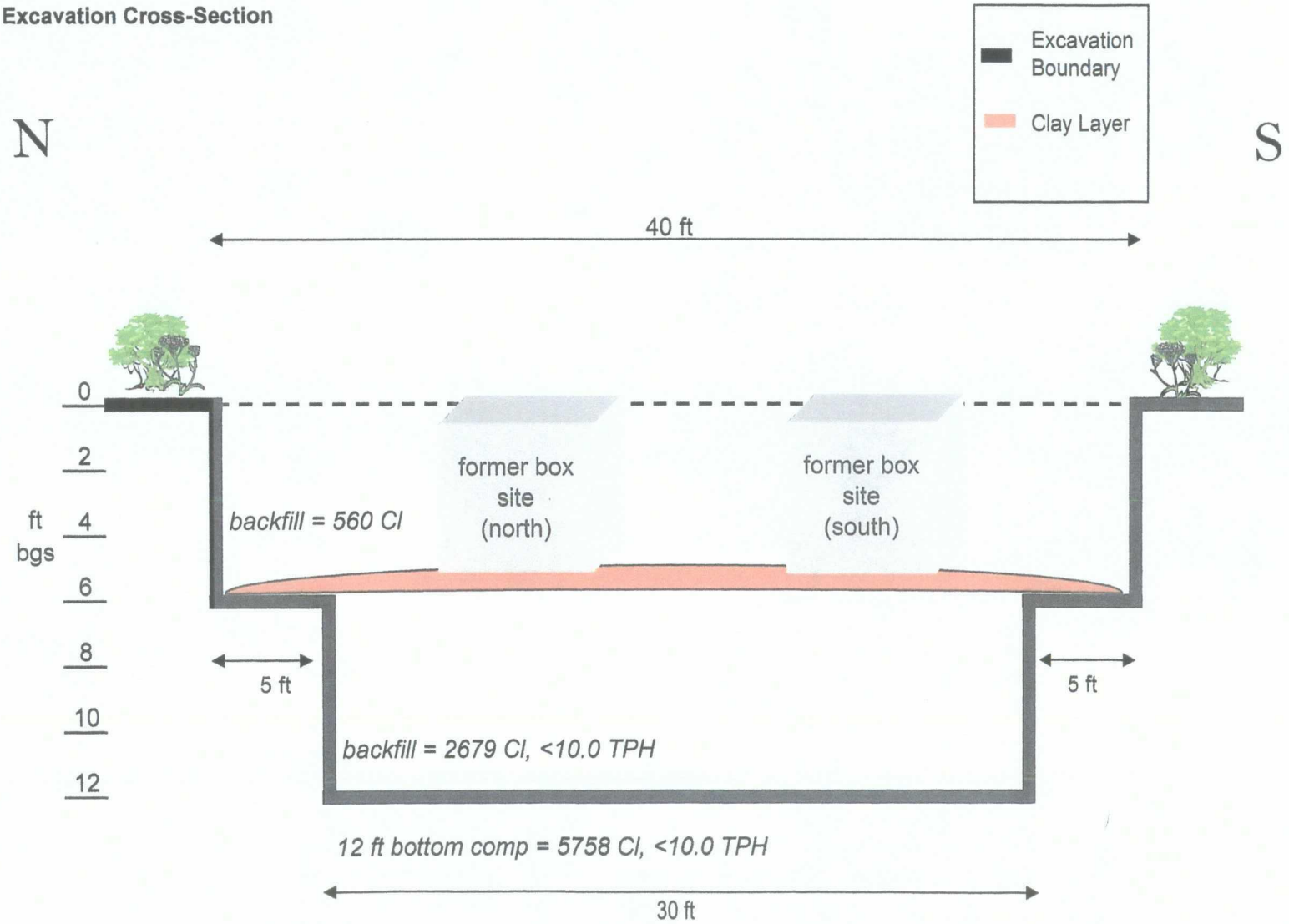
completed excavation site, facing northeast 2/20/2008

clay marker 2/29/2008

Justis Jct. C-1 vent

Unit 'C', Section 1, T26S, R37E

Excavation Cross-Section



CARDINAL LABORATORIES

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

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

Receiving Date: 11/13/07
Reporting Date: 11/15/07
Project Owner: NOT GIVEN
Project Name: JUSTIS VENT C-1
Project Location: NOT GIVEN

Sampling Date: 11/13/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{12}) (mg/kg)	DRO (>C_{12}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		11/14/07	11/14/07	11/14/07
H13701-1	4 WALL COMP @ 30X30	<10.0	<10.0	2000
H13701-2	5 PT BTTM COMP @ 12' BGS	<10.0	<10.0	5758
H13701-3	BLENDED BACKFILL	<10.0	<10.0	2679
Quality Control		599	600	500
True Value QC		500	500	500
% Recovery		120	120	100
Relative Percent Difference		8.9	5.8	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Std. Methods 4500-Cl B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

11/15/07
Date

H13701TCL RICE

CARDINAL 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

COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	RICE OPERATING CO.
Project Manager:	ROY R. RASCON
Address:	122 W. TAYLOR
City:	Hobbs, State: NM Zip: 88240
Phone #:	393-9174 Fax #: 397-1471
Project #:	Project Owner:
Project Name:	Justis Vent C-1
Project Location:	
Sampler Name:	ROY R. RASCON

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
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: TPH 8015 M	Cl-
H13701-1	4w All Comp @ 30X30	C	1			✓					✓		11-13-07	1200	✓	✓
2	5PT BTTM Comp @ 12'BGS	C	1			✓					✓		11-13-07	1315	✓	✓
3	Blended Backfill	C	1			✓					✓		11-13-07	1345	✓	✓

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 consequental 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: 11-13-07	Received By:	
Roy R Rascon	Time: 1517		
Relinquished By:	Date:	Received By:	
	Time:	See Barnes 11/13/07 3:17pm	

Delivered By: (Circle One)
Sampler / UPS - Bus - Other:

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SB

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☑ Yes ☐ No Add'l Fax #:
REMARKS:
E-mail Results to
JPURVIS & RRASCON @ RICESWD.COM

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

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: BRUCE BAKER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 02/18/08
Reporting Date: 02/18/08
Project Number: NOT GIVEN
Project Name: JUSTIS C-1 VENT
Project Location: JUSTIS C-1 VENT

Analysis Date: 02/18/08
Sampling Date: 02/15/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H14266-1	BLENDED BACKFILL	560
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods	4500-ClB

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

RECEIVED
FEB 26 2008
RICE OPERATING
HOBBS, NM

Date 2/18/08

H14266 RICE

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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 Co.	**BILL TO**	
Project Manager:	Bruce Baker	P.O. #:	
Address:	122 W Taylor	Company:	
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	393-9174 Fax #: 397-1471	Address:	
Project #:	Project Owner:	City:	
Project Name:	Justis C-1 Vent	State: Zip:	
Project Location:	Justis C-1 Vent	Phone #:	
Sampler Name:	Bruce Baker	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	1 C1
H14266-1	Blended Backfill	C	1			✓					✓		2-15-08	3:30pm	✓

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 consequental 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: Bruce Baker	Date: 2-18-08 Time:	Received By:	
Relinquished By:	Date: Time:	Received By: Celia Keene	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials) CK	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
Email results to bbaker@ricesw.com
cc & to jpurvis@ricesw.com

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM

CK. MODEL NO.	
	X

MODEL: PGM 7600 SERIAL NO: 110-013676
MODEL: PGM 7600 SERIAL NO: 110-013744
MODEL: PGM 7600 SERIAL NO: 110-012383
MODEL: PGM 7600 SERIAL NO: 110-012920
MODEL: SK - 107 SERIAL NO: 008011

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 4-4-09
FILL DATE: 10-4-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
JUSTIS	VENT C-1	C	1	26S	37E

SAMPLE ID	PID	SAMPLE ID	PID
N wall comp @ 15' n	1		
S wall comp @ 15' s	0.8		
E wall comp @ 15' e	0.5		
W wall comp @ 15' w	1.4		
4 Wall comp @ 30'x30'	0.6		
5pt Bottom comp @ 12'bgs	5.5		
Blended backfill	3.9		

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

SIGNATURE: Ray R. Rascon

DATE: 11-13-07

*Corrected Copy 3/5/08

LABORATORY TEST REPORT

PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Rice Operating
Attn: Hack Conder
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Test Method: ASTM: D 2922

Project: General Information - Justis Vent C-1
Project No. 2008.1027

Date of Test: February 14, 2008

Depth: See Below

Depth of Probe: 12"

Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 1	Pit - 20' N. & 30' W. of SE Corner	94.1	14.3	FSG

COPY

RECEIVED
MAR 10 2008
RICE OPERATING
HOBBS, NM

Control Density: 102.8
ASTM: D 698

Optimum Moisture: 22.6%

Required Compaction: *90-95%

Densometer ID: 815

Lab No.: 08 1749-1750

Copies To: Rice Operating

PETTIGREW & ASSOCIATES

BY: Erica Hart

BY: _____ P.E.