

1R - 426-167

REPORTS

DATE:

4-1-08

BD Jct D-5

1R426-167

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		
Blinebry Drinkard	jct. D-5	D	5	22S	37E	Lea	Length	Width	Depth
							moved 16 ft northeast		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ G.P. Sims _____ OTHER _____

Depth to Groundwater _____ 100 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 0 _____

Date Started _____ 3/27/2007 _____ Date Completed _____ 4/19/2007 _____ NMOCD Witness _____ no _____

Soil Excavated _____ 400 _____ cubic yards Excavation Length _____ 30 _____ Width _____ 30 _____ Depth _____ 12 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 4/3/2007, 4/4/2007, 4/19/2007 _____ Sample Depth _____ 12, 40 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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	5.8	<10.0	<10.0	2160
BOTTOM COMP.	7.4	<10.0	<10.0	3150
BACKFILL	13.3	<10.0	<10.0	2290
SB1 20 ft W @ 40 ft	XXX	XXX	XXX	208
SB2 37 ft E @ 40 ft	XXX	XXX	XXX	80

LOCATION	DEPTH (ft)	ppm
15 ft WEST of jct.	7	5374
	8	4119
	9	3989
	10	2649
	11	2764
	12	2239
4-wall comp.	n/a	1587
bottom comp.	12	2182
backfill comp.	n/a	1917
SOIL BORING 20 ft WEST of jct.	15	2630
	20	1913
	25	850
	30	246
	35	311
	40	208

General Description of Remedial Action:

This junction box was addressed with the pipeline replacement program. A new replacement junction box was built 16 ft NE of the old box. The lumber was removed from the former box site and was delineated for chloride and hydrocarbon using a backhoe to collect soil samples, producing a 30 x 30 x 12-ft-deep excavation. Field tests yielded chloride concentrations that were generally consistent throughout with highest concentrations west of the site. PID readings indicated very low hydrocarbon concentrations throughout. Final composite samples from the excavation were collected for laboratory analysis.

The excavated soil was blended on site and then backfilled into the excavation to 6 ft BGS where a compacted clay barrier was installed. The remaining soil was backfilled on top of the clay. Clean, imported soil was spread on the surface to contour the site to the surrounding terrain. This soil was seeded with a blend of native vegetation on 4/10/2007. Soil borings for additional chloride delineation were installed at the sites of highest concentrations. Each boring was advanced to a depth of 40 ft where a conclusive trend of decline was observed. Each boring was plugged with bentonite.

enclosures: photos, lab results, PID field screenings, chloride graph, boring logs, cross-section

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

SITE SUPERVISOR _____ Darrell Mitchell _____ SIGNATURE _____ *Darrell Mitchell* _____ COMPANY _____ RICE Operating Company _____

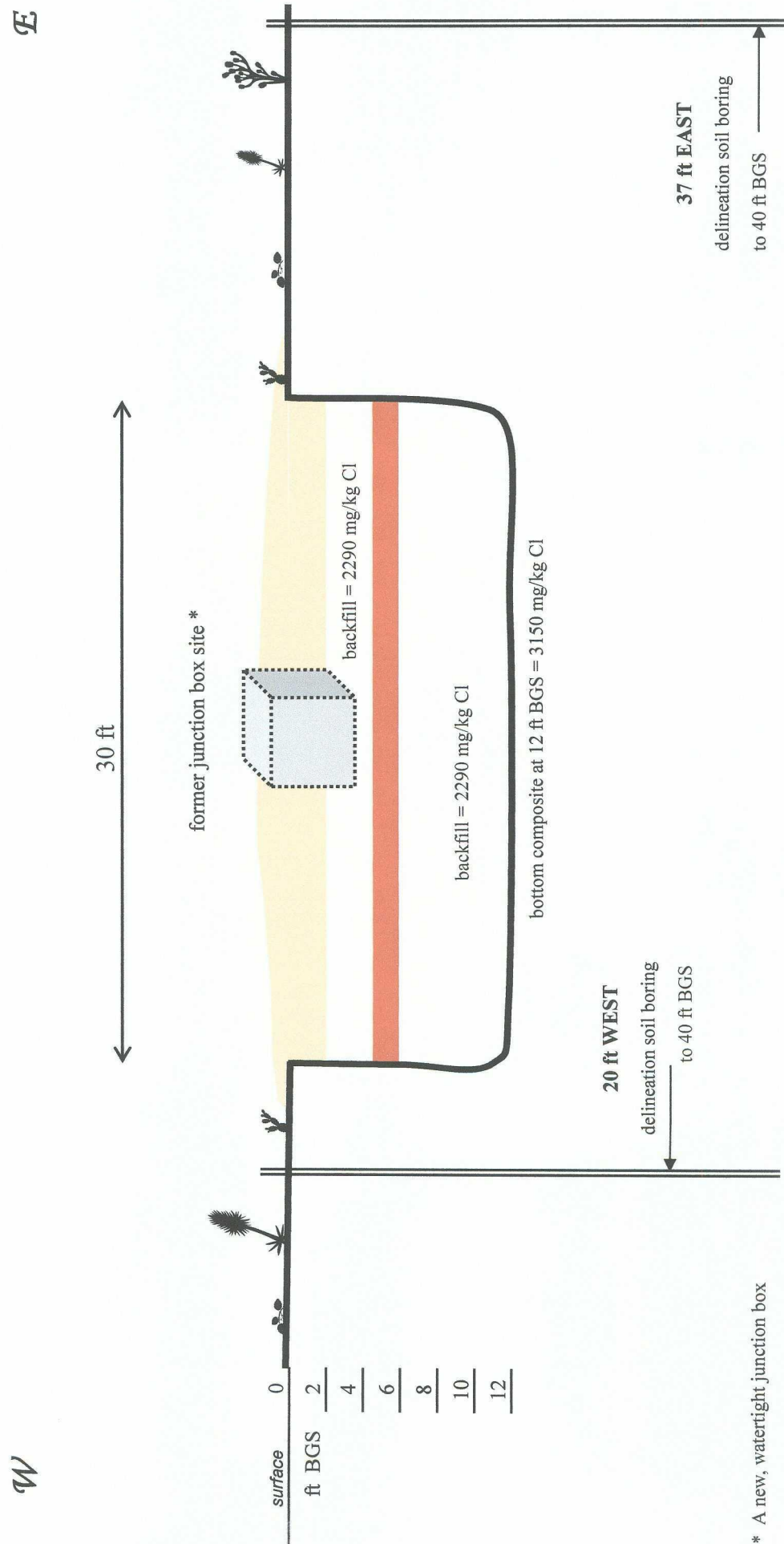
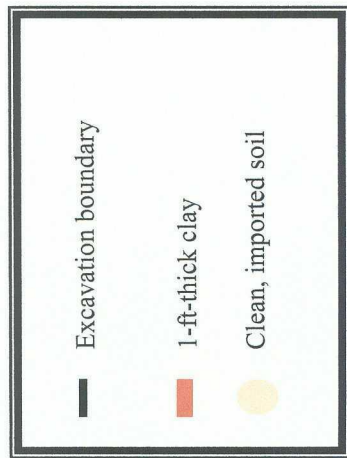
REPORT ASSEMBLED BY _____ Kristin Farris Pope _____ SIGNATURE _____ *Kristin Farris Pope* _____

DATE _____ 5/22/2007 _____ TITLE _____ Project Scientist _____

BD jct. D-5

30 x 30 x 12-ft-deep

Excavation Cross-Section



* A new, watertight junction box was built 16 ft northeast of this site.



ARDINAL LABORATORIES

PHONE (325) 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 RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 04/20/07
Reporting Date: 04/20/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. JCT D-5

COPY

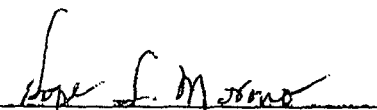
Analysis Date: 04/20/07
Sampling Date: 04/19/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H12485-1	SB#1, 21' WEST OF SOURCE @ 40'	208
H12485-2	SB#2, 37' EAST OF SOURCE @ 40'	80
Quality Control		480
True Value QC		500
% Recovery		96
Relative Percent Difference		2.1

METHOD: Standard Methods

4500-Cl⁻B

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


Chemist

04-20-07
Date

H12485

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

Company Name: Rice Operations Co. Project Manager: Roy Ralston Address: 128 W Taylor City: Jones State: TX Zip: 78240 Phone #: 397-9171 Fax #: 397-1471 Project #: _____ Project Owner: _____		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
Project Name: BD JCT D-5 Project Location: D.M.		BILL TO			
Sampler Name: _____ Lab Use Only		Matrix <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____			
Sample I.D. ND-9K5-1 SB#1, 21' West of Source @ 40' -2 SB#2, 37' East of Source @ 40'		Preserv. <input checked="" type="checkbox"/> ACID/BASE <input type="checkbox"/> ICE/COOL <input type="checkbox"/> OTHER: _____			
Containers <input checked="" type="checkbox"/> G/AB OR (C) OMP <input checked="" type="checkbox"/> G 1		Date 4-19-07 2:24 PM 4-19-07 3:18 PM			
Time _____		Time _____			
Remarks: Please Note: Rice and Camargo Contract's policy and client's cleanup strategy for air clean drilling site (see attached) shall be limited to the amount paid by the client for the 30 days past due to the rate of \$24.00 per gallon from the original date of invoice, and the cost of collection, including cleanup fees.		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Sampler Relinquished: _____ Received By: _____ Date: 4-20-07 Time: 11:45 Signature: [Signature]		Remarks: E mail: rnascon@rice.swd.com CC to J Purvis@rice.swd.com			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Signature: [Signature] Date: _____ Time: _____			

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

SOIL BORE DATA SHEET

SYSTEM: B.D

LOCATION: JCT D.5

LANDOWNER: Joe Robin Sims

DGW:

GPS: 32°25.638N 103°11.573W

SB/MW ID: 1

UL D

SEC. 5

TOWNSHIP 22S

RANGE 37 E

20 FT West of Source

[illegible]

TD @ 40 ft.

NOTES:

SIGNATURE: Dannell Mitchell

DATE: 4-19-07

[illegible]

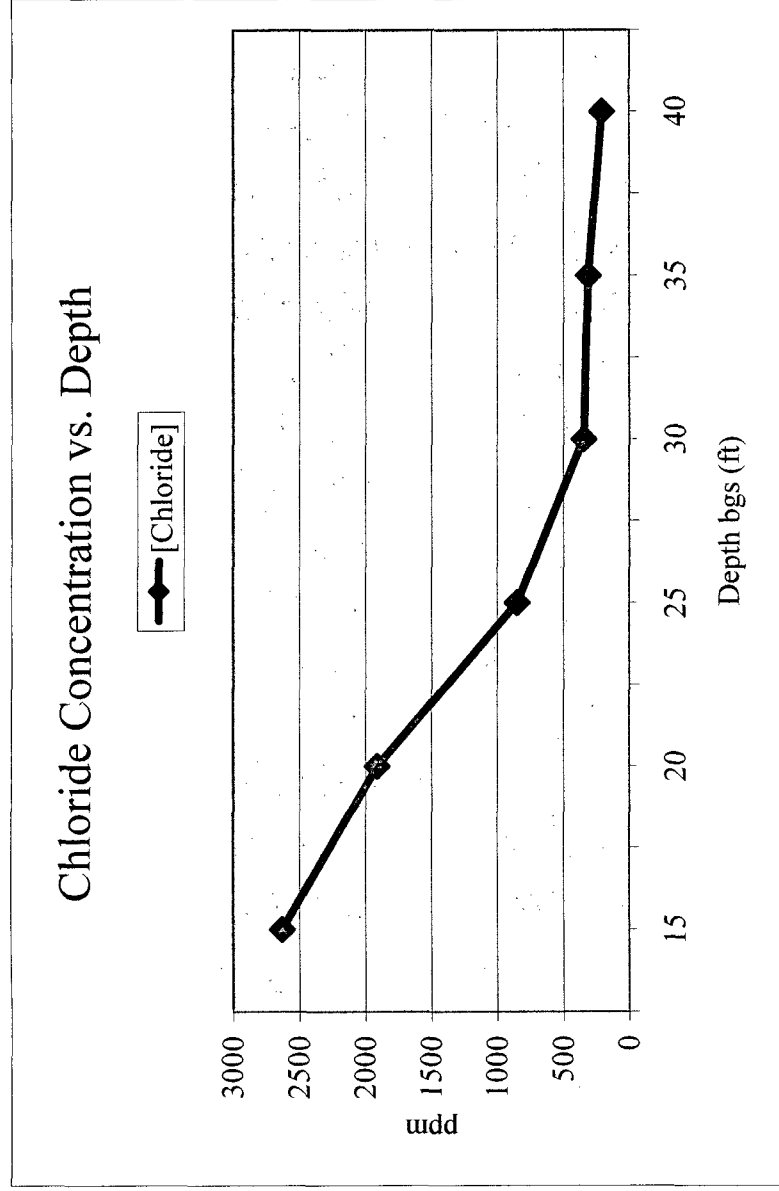
COPY

BD jct. D-5
unit 'D', Sec. 5, T22S, R37E

SOIL BORING
20 ft WEST of junction

Depth bgs (ft)	[Cl ⁻] ppm
15	2630
20	1913
25	850
30	346
35	311
40	208

Groundwater = 100 ft

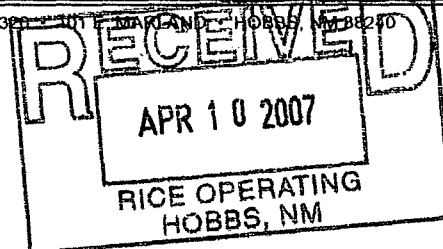




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PHONE (505) 393-2399 • 1111 MARLAND • HOBBS, NM 88240



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

Receiving Date: 04/04/07
Reporting Date: 04/05/07
Project Number: NOT GIVEN
Project Name: B.D. SYSTEM JCT. D5
Project Location: NOT GIVEN

Sampling Date: 04/03/07 & 04/04/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HM

COPY

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		04/05/07	04/05/07	04/04/07
H12422-1	5 PT BOTTOM COMP	<10.0	<10.0	3150
H12422-2	4 WALL COMP	<10.0	<10.0	2160
H12422-3	BLENDED BACKFILL	<10.0	<10.0	2290
Quality Control		785	753	490
True Value QC		800	800	500
% Recovery		98.1	94.1	98.0
Relative Percent Difference		1.5	8.1	0.0

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

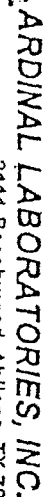
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

7/5/07
Date

H12422

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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(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page _____ of _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

BD jct. D-5

Unit D, Section 5, T22S, R37E



undisturbed junction box

2/26/2004



vertical delineation trench at former junction site

3/27/2007



backfilling final 30 x 30 x 12 ft excavation

4/4/2007



installing clay barrier at 6 ft

4/5/2007



delivering topsoil to backfilled site

4/9/2007



seeding topsoil spread on surface

4/10/2007



delineation soil borings at backfilled site

4/19/2007



new junction box 16 ft northeast of former site

5/30/2007

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input checked="" type="checkbox"/>
MODEL	<input type="checkbox"/>
NO.	<input type="checkbox"/>
	<input type="checkbox"/>

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

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 06-3079	EXPIRATION DATE: 2-6-07
FILL DATE: 6-16-06	METER READING ACCURACY: 100.2

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	D-5	D	5	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
4 WALL COMP	5.8		
Bttm 5pt comp. #1	5.5		
2	11.4		
3	9.9		
4	10.6		
5	16		
5pt bttm comp.	7.4		
blended backfill	13.3		

COPY

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

SIGNATURE:

Daniel Mitchell

DATE: 4-4-07