

1R - 426-259

REPORTS

DATE:

7-16-10

1R426-259

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinberry-Drinkard (BD)	N-11 Boot	N	11	22S	37S	Lea	Length	Width	Depth
							moved 70' east		

LAND TYPE: BLM STATE FEE LANDOWNER Irvin Boyd OTHER

Depth to Groundwater 100' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 5/24/2005 Date Completed 6/4/2008 OCD Witness no

Soil Excavated 133.3 cubic yards Excavation Length 30 Width 10 Depth 12 feet

Soil Disposed 252 cubic yards Offsite Facility Sundance Services Location Eunice

FINAL ANALYTICAL RESULTS: Sample Date 10/2/2007 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	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
NORTH WALL COMP.	<10.0	66.7	848
EAST WALL COMP.	<10.0	107	1,024
WEST WALL COMP.	<10.0	31.8	1,312
SOUTH WALL COMP.	<10.0	55.9	432
4-WALL COMP.	<10.0	39.7	1,152
BOTTOM COMP.	<10.0	16.5	1,232

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
Vertical delineation trench 10' east of former junction (source)	1'	1,002
	2'	1,660
	3'	790
	4'	550
	5'	333
	6'	1,174
	7'	262
	8'	664
	9'	734
	10'	554
	11'	838
	12'	955

General Description of Remedial Action: This junction box was addressed during the pipeline replacement/upgrade program. A new, watertight junction box was built 70 ft. east of the former. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30X10X12-ft. deep excavation. Chloride field tests were performed on each sample and yielded concentrations that did not relent with depth. Organic vapors were measured using a PID, which yielded relative low concentrations.

Representative composite samples were collected from the bottom of the excavation, and the excavation walls and sent to a commercial laboratory for analysis. Laboratory analysis confirmed some elevated chloride concentrations and low organics. The excavation was backfilled with clean imported soil to 4 ft. below ground surface (BGS). At 4-3 ft. BGS, a 1-ft. thick clay barrier was installed with a compaction test performed on 6/3/2008. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 6/04/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. A clay marker was installed above excavation to inform of clay barrier below. NMOCD was notified of potential groundwater impact on 7/16/2010.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID (field screenings), cross-section, compaction test, chloride curve

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

SITE SUPERVISOR Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL *KJ*

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 7-16-10

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

BD Jct. N-11 Boot

Unit N, Section 11, T22S, R37E



Site prior to excavating

Compaction test

6/03/2008



Seeding excavation

6/04/2008



Excavation complete

6/04/2008



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

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

ANALYTICAL RESULTS FOR
RICE OPERATING
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 10/03/07
Reporting Date: 10/03/07
Project Number: NOT GIVEN
Project Name: BD N-11
Project Location: NOT GIVEN

Analysis Date: 10/03/07
Sampling Date: 10/02/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: HM

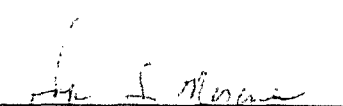
LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H13426-1	NORTH WALL COMPOSITE	848
H13426-2	EAST WALL COMPOSITE	1,024
H13426-3	WEST WALL COMPOSITE	1,312
H13426-4	SOUTH WALL COMPOSITE	432
H13426-5	4- WALL COMPOSITE	1,152
H13426-6	BOTTOM COMPOSITE	1,232

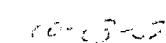
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Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods | 4500-Cl⁻B

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


Chemist


Date

H13426 RICE

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CARDINAL LABORATORIES

PHONE (505) 673-7001 • 3111 BEECHWOOD • ABILENE, TX 79603

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

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

Receiving Date: 10/03/07
Reporting Date: 10/08/07
Project Number: NOT GIVEN
Project Name: BD N-11
Project Location: NOT GIVEN

Sampling Date: 10/02/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: CK

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₂) (mg/Kg)	DRO (>C ₁₂ -C ₂₈) (mg/Kg)
		10/06/07	10/06/07
H13426-1	NORTH WALL COMPOSITE	<10.0	66.7
H13426-2	EAST WALL COMPOSITE	<10.0	107
H13426-3	WEST WALL COMPOSITE	<10.0	31.8
H13426-4	SOUTH WALL COMPOSITE	<10.0	55.9
H13426-5	4- WALL COMPOSITE	<10.0	39.7
H13426-6	BOTTOM COMPOSITE	<10.0	16.5
Quality Control		459	461
True Value QC		500	500
% Recovery		91.8	92.2
Relative Percent Difference		16.5	16.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

COPY

Chemist

Date

H13426T Rice

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether defined in contract or not, shall be limited to the amount paid by client to Cardinal. 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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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: <u>RICE OPERATING</u>		P.O. #:	
Project Manager: <u>HAIR CONDUCE</u>		Company:	
Address: <u>126 W. 174th St.</u>		Attn:	
City: <u>HOUSTON</u>		Address:	
Phone #: <u>505 333 174</u>		City:	
Project #: <u>333 174</u>		State:	
Project Name: <u>BL N-11</u>		Phone #:	
Project Location:		Fax #:	
Sampler Name: <u>JOHN V. GARCIA</u>			
Lab I.D.		Sample I.D.	
1. <u>North wall composite</u>	1. <u>North wall composite</u>	DATE: <u>10/2/07</u> TIME: <u>1:00 PM</u>	
2. <u>East wall composite</u>	2. <u>East wall composite</u>	DATE: <u>10/2/07</u> TIME: <u>1:00 PM</u>	
3. <u>West wall composite</u>	3. <u>West wall composite</u>	DATE: <u>10/2/07</u> TIME: <u>1:30 PM</u>	
4. <u>South wall composite</u>	4. <u>South wall composite</u>	DATE: <u>10/2/07</u> TIME: <u>1:40 PM</u>	
5. <u>4-wall composite</u>	5. <u>4-wall composite</u>	DATE: <u>10/2/07</u> TIME: <u>1:50 PM</u>	
6. <u>Bottom composite</u>	6. <u>Bottom composite</u>		

COPY

PRESERV: ACID/BASE, ICE/COOL, OTHER
 MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
 CONTAINERS: GRAB OR COMPOUND
 FOR LAB USE ONLY

ANALYSIS REQUEST
 BILL TO

Phone Result: ☐ Yes ☐ No
 Fax Result: ☐ Yes ☐ No
 Add'l Phone #:
 Add'l Fax #:
 REMARKS: Actual results
According to previous test
specimens for lead
to give the results

Relinquished By: John V. Garcia
 Date: 10/2/07
 Time: 1:00 PM

Received By: John V. Garcia
 Date: 10/2/07
 Time: 1:00 PM

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

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

Rice Operating Company

HOBBS, NEW MEXICO 88240

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

VOC FIELD TEST REPORT FORM

MODEL NO: PGM 761S

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM

BALANCE

FILL DATE: 11-19-07

ACCURACY: ± 2%

LOT NO: 04-2747

EXP. DATE: 5-19-06

METER READING

ACCURACY: 99.8

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	1847 5-11	1	11	22	37

SAMPLE	PID RESULT	SAMPLE	PID RESULT
10 East of Source 1	1.6	2'	96.5
2'	1.8	4'	6.73
3'	12.2	5'	8.56
4'	31.2	6'	20.3
5'	24.2	7'	18.7
6'	40.1	8'	17.2
7'	12.9	9'	29.7
8'	16.9	10'	27.6
9'	32.6	11'	39.7
10'	23.5	12'	53.9
11'	17.9	15 East of Source 1	4.0
12'	11.0	2'	1.8
10 West of Source 1	6.7	3'	7.9
2'	29.6	4'	75.7

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

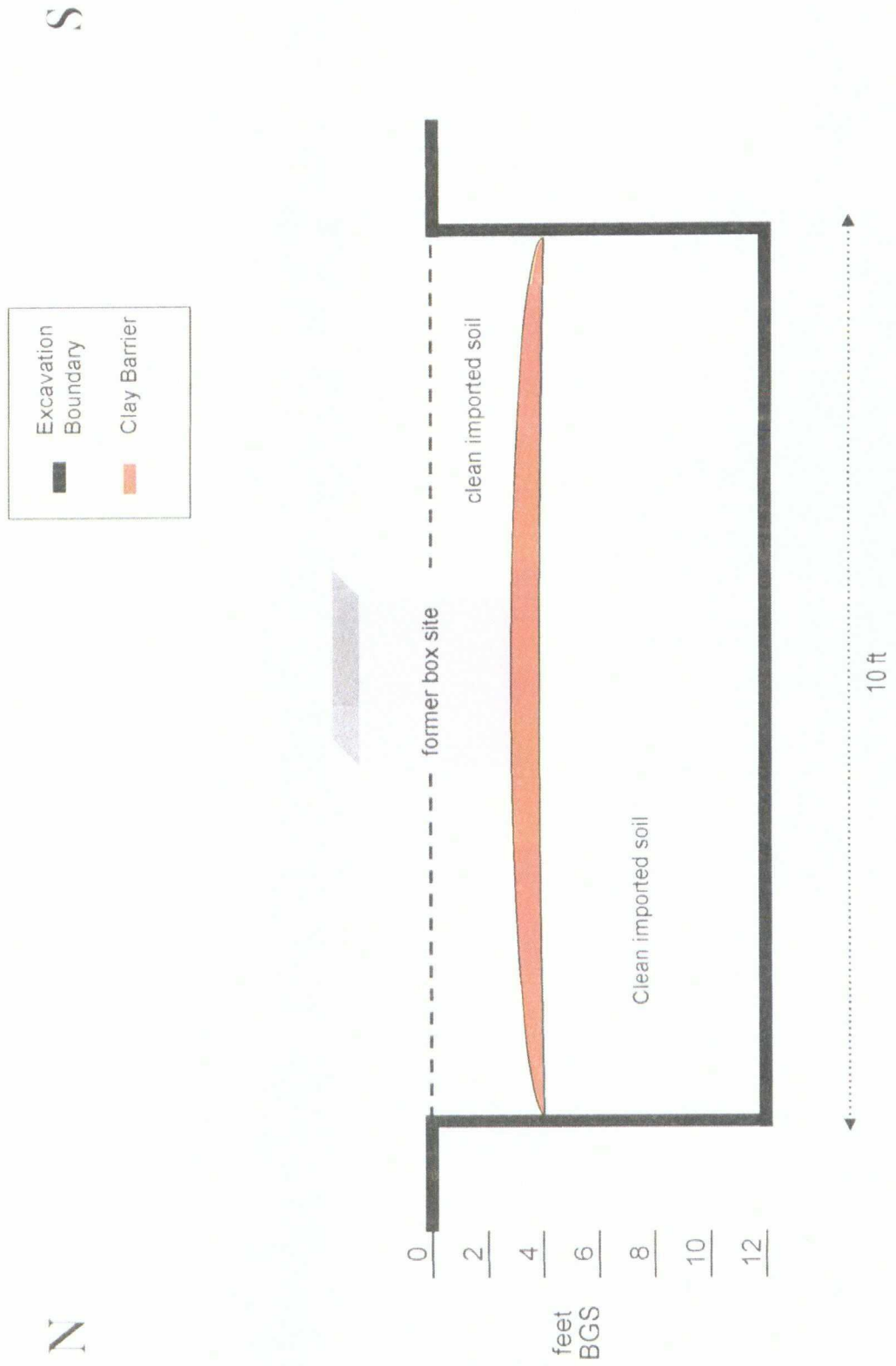
Signature [Signature]

Date 5/23/10

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BD Jct. N-11 Boot
Unit 'N', Sec. 11, T22S, R37E

Excavation Cross-Section





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



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

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

Material: Wallach Red Clay

Project: General Information
BDJC N-11
Project No. 2008.1069

Test Method: ASTM: D 2922

Date of Test: June 3, 2008

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density		Depth
		% Max	% Moisture	
SG 4	10' E. & 7' N. of SW Corner	93.6	12.5	FSG

RECEIVED

JUL 11 2008

LABORATORY
HOBBS, NM

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Control Density: 102.8
ASTM: D 698

Optimum Moisture: 22.6%

Required Compaction: 90% - 95%

Densometer ID: 2505
PETTIGREW & ASSOCIATES

Lab No.: 08 5626-5627

Copies To: Rice Operating

BY: Evan M. Hunt

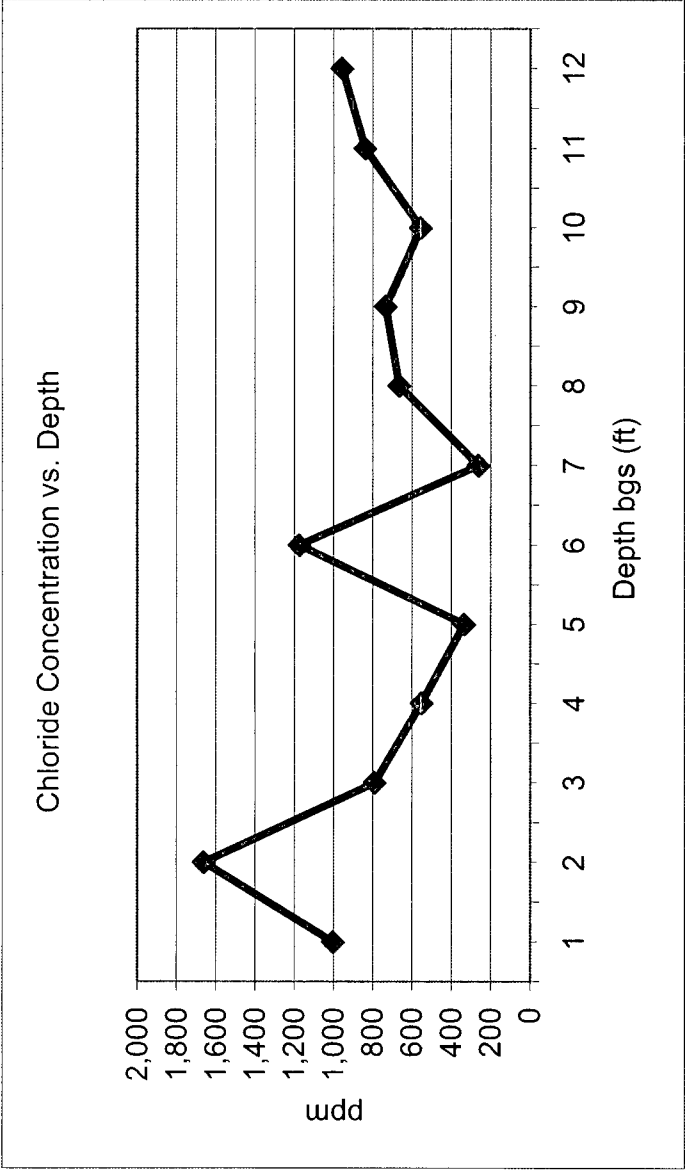
BY: Dan R. P.E.

BD Jct. N-11 boot

Unit 'N', Sec. 11, T22S, R37E

Backhoe samples at 10' east of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
1	1,002
2	1,660
3	790
4	550
5	333
6	1,174
7	262
8	664
9	734
10	554
11	838
12	955



Groundwater = 100 ft