

1R - 426-295

REPORTS

DATE:

3-1-11

1R426-295

BD Jct. E 21-1

2010

RECEIVED

APR -1 2011

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blincy-Drinkard (BD)	Jct E-21-1	E	21	22S	37E	Lea	Length	Width	Depth
							Eliminated		

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

Depth to Groundwater 64 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/14/2009 Date Completed 9/8/2010 OCD Witness no

Soil Excavated 277.8 cubic yards Excavation Length 25 Width 25 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/18/2010 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	Chlorides mg/kg
BOTTOM COMP.	9.2	<10.0	12.6	400
4-WALL COMP.	13.7	<10.0	12.3	800
BACKFILL COMP.	79.7	<10.0	15.4	512

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
BOTTOM COMP.	12'	413
4-WALL COMP.	N/A	856
BACKFILL COMP.	N/A	613
vertical delineation 5 ft. north of junction (source)	2'	827
	4'	726
	6'	408
	8'	588
	10'	393
	12'	336

General Description of Remedial Action: This junction was eliminated during

the pipeline replacement/upgrade program. After the former junction box was removed,

an investigation was conducted using a backhoe to collect soil samples at regular

intervals creating a 25X25X12-ft. deep excavation. Chloride field tests performed on

each sample yielded relatively low concentrations. Organic vapors measured using a

PID, which yielded relatively low concentrations. The excavated soil was blended

on site and representative samples were collected from the blended backfill, the bottom of the excavation, and excavation walls. The

representative samples were taken to a commercial laboratory for analysis of chloride and TPH, which confirmed relative low

concentrations of each. The excavation was backfilled with the blended backfill to ground surface and contoured to the surrounding

area. On 9/16/2010, 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 Joe Gatts SIGNATURE _____ Not Available COMPANY RICE OPERATING COMPANY

REPORT
ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-1-11

BD Jct. E-21-1



Site Prior to Excavation

4/14/2009

Unit E, Section 21, T22S, R37E



Collecting a sample

7/28/2010



Delineation trench being excavated

7/29/2010



Seeding excavation

9/16/2010

Analytical Results For:

 Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 08/18/2010
 Reported: 03/01/2011
 Project Name: BD JCT E-21 22/37
 Project Number: NOT GIVEN
 Project Location: BD JCT E-21 22/37

 Sampling Date: 08/18/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM COMP @ 12' (H020667-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/19/2010	ND	448	112	400	3.64	
TPH 8015M									
mg/kg									
Analyzed By: AB									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2010	ND	162	80.8	200	0.274	
DRO >C10-C28	12.6	10.0	08/23/2010	ND	168	83.8	200	0.232	

Surrogate: 1-Chlorooctane 89.2 % 70-130

Surrogate: 1-Chlorooctadecane 80.0 % 70-130

Sample ID: 4-WALL COMP. (H020667-02)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	08/19/2010	ND	448	112	400	3.64	
TPH 8015M									
mg/kg									
Analyzed By: AB									
S-04									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2010	ND	162	80.8	200	0.274	
DRO >C10-C28	12.3	10.0	08/23/2010	ND	168	83.8	200	0.232	

Surrogate: 1-Chlorooctane 136 % 70-130

Surrogate: 1-Chlorooctadecane 118 % 70-130

COPY

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 08/18/2010
 Reported: 03/01/2011
 Project Name: BD JCT E-21 22/37
 Project Number: NOT GIVEN
 Project Location: BD JCT E-21 22/37

 Sampling Date: 08/18/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H020667-03)

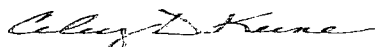
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	08/19/2010	ND	448	112	400	3.64		
TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/23/2010	ND	162	80.8	200	0.274		
DRO >C10-C28	15.4	10.0	08/23/2010	ND	168	83.8	200	0.232		
Surrogate: 1-Chlorooctane	130 %	70-130								
Surrogate: 1-Chlorooctadecane	116 %	70-130								

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Rice Operating Company</u>		BILL TO		ANALYSIS REQUEST														
Project Manager: <u>Bruce Baker</u>		P.O. #:																
Address: <u>122 W. Taylor</u>		Company:																
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																
Phone #: <u>575-393-9174</u> Fax #: <u>575-397-1471</u>		Address:																
Project #:		City:																
Project Name: <u>BD IGT E-21-1 (22137)</u>		State:																
Project Location:		Phone #:																
Sampler Name: <u>Robert Eganis</u>		Fax #:																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACIDBASE	ICE / COOL	OTHER:	PRESERV	SAMPLING	DATE	TIME	TPH	CL
H7D167-1	5PT Bottom Comp	C 1	1	✓							✓				4-18-10	1:50	✓	
2	4-Wall Comp	C 1	1	✓							✓				8-18-10	2:05	✓	
3	Blended Backfill	C 1	1	✓							✓				8-18-10	2:30	✓	
COPY																		

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Relinquished By: Robert Date: 8/13/10 Time: 13:44
 Received By: Jodi Munson
 Relinquished By: Robert Date: 8/13/10 Time: 13:44
 Received By: Jodi Munson
 Delivered By: (Circle One) UPS - Bus - Other:
 Sampler: UPS - Bus - Other:
 Remarks: F-Mail Results To: K Jones @ Rice Sund - com
Baker
Kegans
* Sample depth changed as per Bruce. 2/2/11

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

#26

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

PID METER CALIBRATION & FIELD REPORT FORM

[illegible]

Serial No: 590-000504

Model: PGM 7600

Serial No: 110-013676

LOT NO: 930360	EXPIRATION DATE: 5/24/13
FILL DATE:	METER READING ACCURACY: 100.1 ppm

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	E-21-1	E	21	22S	37E

[illegible]

SIGNATURE:

Robert Young

DATE:

DATE: 8-18-2010

CHLORIDE CONCENTRATION CURVE

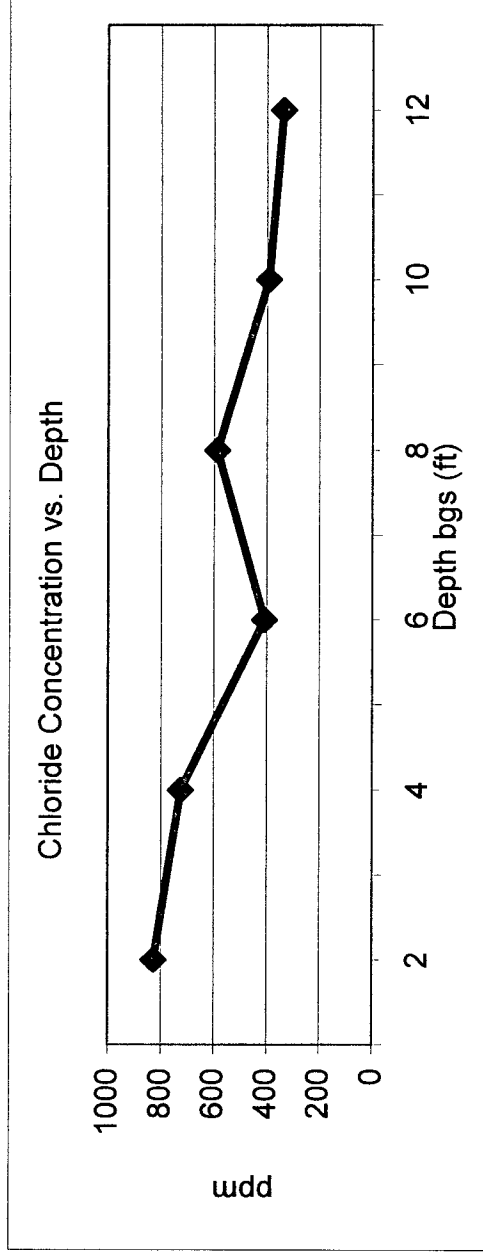
RICE Operating Company

BD JCT E-21-1

Unit E, Sec. 21 T22S, R37E

Backhoe samples 5 ft. north of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
2	827
4	726
6	408
8	588
10	393
12	336



Groundwater = 64 ft.