

1R - 426-297

REPORTS

DATE:

3-22-11

1R426-297

BD Jct. A-11-2

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		
Blinebry-Drinkard (BD)	Jct. A-11-2	A	11	22S	37E	Lea	Length 7 ft.	Width 7 ft.	Depth 4 ft.
							New water tight box in same location		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Irvin Boyd OTHER _____

Depth to Groundwater 59 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/21/2010 Date Completed 11/19/2010 OCD Witness no

Soil Excavated 233.3 cubic yards Excavation Length 30 Width 15 Depth 14 feet

Soil Disposed 42 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 11/16/2010 Sample Depth 14 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.	7.0	<10.0	<10.0	160
BOTTOM COMP.	7.2	<10.0	<10.0	224
BACKFILL COMP.	11.1	<10.0	13.2	304

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	265
bottom comp.	12'	513
backfill comp.	n/a	357
background	6"	144
vertical delineation at 5 ft. south of junction (source)	6'	86
	8'	146
	10'	170
	12'	89
	14'	198

General Description of Remedial Action: This junction was addressed during

the pipeline replacement/upgrade program. After the junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals

creating a 30X15X14-ft. deep excavation. Chloride field tests performed on each

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

PID, which yielded low concentrations. 42 yards of the excavated soil was hauled to a NMOCD approved facility. The remaining

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 sent to a commercial laboratory for analysis of chloride and TPH, which

confirmed low concentrations of each. The excavation was backfill to 5 ft. below ground surface (BGS). A new water tight junction box was built in the same location.

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 John Harrison SIGNATURE Not Available COMPANY RICE OPERATING COMPANY

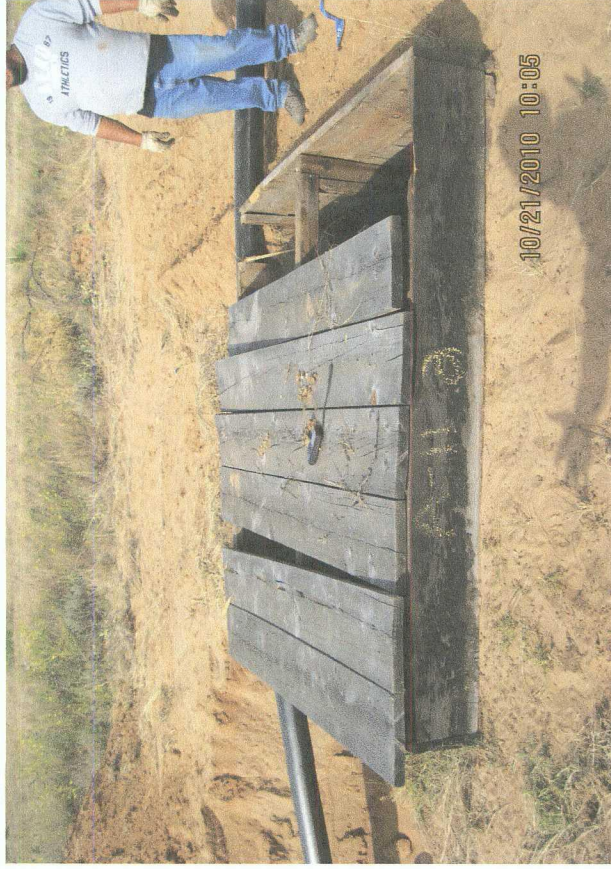
REPORT

ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-22-11

BD Jct. A-11-2

Unit A, Section 11, T22S, R37E



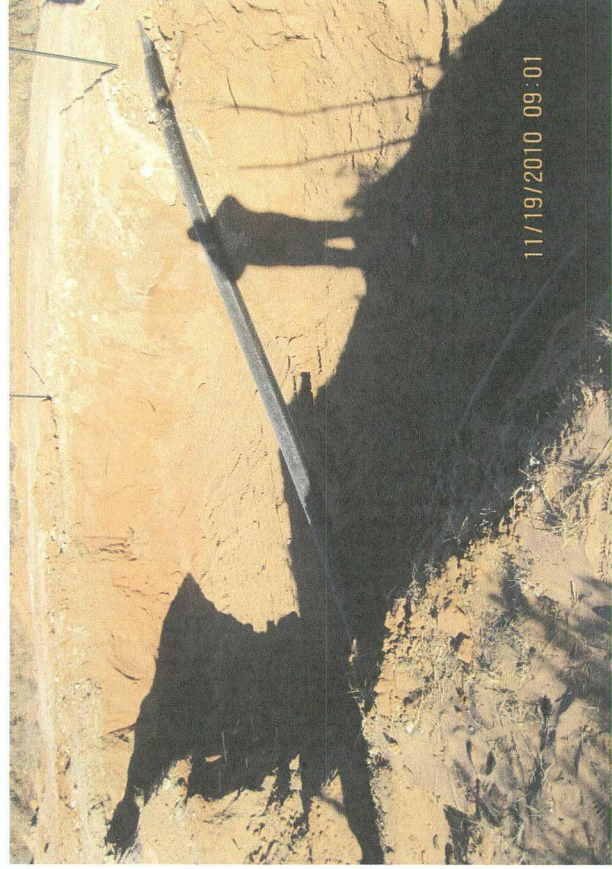
Site prior to delineation

10/21/2010



Delineation trench being excavated

10/21/2010



Site backfilled

11/19/2010



New water tight junction box

2/23/2011

Analytical Results For:

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

Received:	11/16/2010	Sampling Date:	11/16/2010
Reported:	11/17/2010	Sampling Type:	Soil
Project Name:	BD A-11-2 JCT (22/37)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT. BOTTOM COMP (H021311-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/17/2010	ND	432	108	400	0.00		
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	11/17/2010	ND	171	85.6	200	8.99		
DRO >C10-C28	<10.0	10.0	11/17/2010	ND	162	81.2	200	5.00		
Surrogate: 1-Chlorooctane	94.9 %	70-130								
Surrogate: 1-Chlorooctadecane	95.2 %	70-130								

Sample ID: 4 WALL COMP (H021311-02)


Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/17/2010	ND	432	108	400	0.00		
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	11/17/2010	ND	171	85.6	200	8.99		
DRO >C10-C28	<10.0	10.0	11/17/2010	ND	162	81.2	200	5.00		
Surrogate: 1-Chlorooctane	99.2 %	70-130								
Surrogate: 1-Chlorooctadecane	98.0 %	70-130								

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*=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: 11/16/2010
Reported: 11/17/2010
Project Name: BD A-11-2 JCT (22/37)
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/16/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H021311-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/17/2010	ND	432	108	400	0.00	
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	11/17/2010	ND	171	85.6	200	8.99	
DRO >C10-C28	13.2	10.0	11/17/2010	ND	162	81.2	200	5.00	

Surrogate: 1-Chlorooctane 97.5 % 70-130

Surrogate: 1-Chlorooctadecane 102 % 70-130

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ARDINAL 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

BILL TO				ANALYSIS REQUEST																					
Company Name: Rice Operating Company Project Manager: Hack Center BRUCE BAKER Address: 122 West Taylor City: Hobbs State: NM Zip: 88240 Phone #: 575-393-9174 Fax #: 575-397-1471 Project #: Project Name: BO A-11-2 JLT 22.37 Project Location: Sampler Name: Robert Harrison				P.O.#:	Company:	Attn:	Address:	City:	State:	Zip:	Phone#:	Fax#:													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV.			SAMPLING	Chlorides			TPH 8015 M			BTEX			Texas TPH			Complete Cations/Anions		
						GROUNDWATER	SLUDGE	OIL	OTHER:	ACID/BASE:															
421311 - 1	SPR BOT COMP	C 1	1	(G)	1	✓	✓	✓	DATE	TIME															
2	4 WALL COMP	C 1	1	(G)	1	✓	✓	✓	4/16/10	9:30															
13	BLENDED BACKFILL	C 1	1	(G)	1	✓	✓	✓	4/16/10	10:00															
FOR LAB USE ONLY														PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising under contract or tort, shall be limited to the amount paid by the client for the 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 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 and affiliates are hereby released from all such liabilities as may arise out of or in relation 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: [Signature] Robert Harrison				Date: 4/16/10 Time: 4:05 PM	Received By: [Signature] Heidi Newson		REMARKS: email results RUSH!! ALL																		
Relinquished By:				Date:	Received By:		Phon Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:																		
Delivered By: (Circle One) <input checked="" type="checkbox"/> Driver <input type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:				CHECKED BY: [Signature]																					

Baker@riceswd.com KJones@riceswd.com Regans@riceswd.com Ramison@riceswd.com

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

NEED SAMPLES BACK, PLEASE

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

✓

Model: PGM 7300 Serial No: 590-000183
 Model: PGM 7300 Serial No: 590-000508
 Model: PGM 7300 Serial No: 590-000504

Model: PGM 7600 Serial No: 110-023920
 Model: PGM 7600 Serial No: 110-013744
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: <u>930737</u>	EXPIRATION DATE: <u>6/16/13</u>
METER READING ACCURACY: <u>100.0</u>	

ACCURACY : +/- 2%

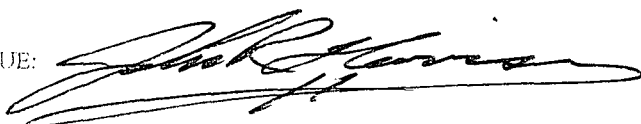
SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	A-11-2	A	11	22 S	37 E

SAMPLE ID	PID	SAMPLE ID	PID
5 FT BOTTOM COMP	7.2		
4 WALL COMP	7		
BLENDED BACKFILL	11.1		

COPY

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

SIGNATURE:



DATE:

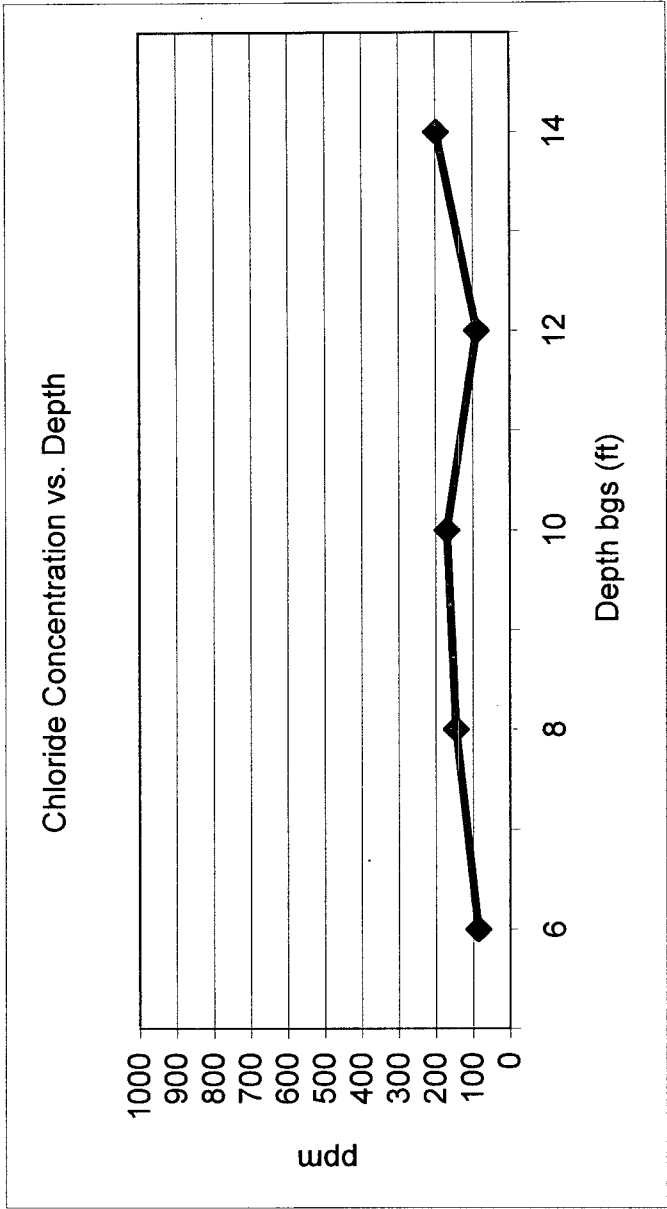
11/16/10

BD Jct. A-11-2

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

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

Depth bgs (ft)	[Cl ⁻] ppm
6	86
8	146
10	170
12	89
14	198



Groundwater = 59 ft.