

1R - 426-247

# REPORTS

DATE:

3-25-10

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Jct  
BD K-25 EOL  
^ 2009

1R426-247

RECEIVED

APR - 6 2010

Environmental Bureau  
Oil Conservation Division

**CLOSURE**

RECEIVED

RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT

APP - 6 2010

Environmental Bureau  
Oil Conservation Division

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Blinebry-Drinkard (BD)	Jct. K-25 EOL	K	25	21S	37E	Lea	Eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Mark Owen Est. OTHER \_\_\_\_\_

Depth to Groundwater 42 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 12/18/2009 Date Completed 12/31/2009 OCD Witness no

Soil Excavated 4.4 cubic yards Excavation Length 5 Width 3 Depth 8 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/18/2009 Sample Depth 8 ft

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
SOURCE 8' GRAB	0.0	<10.0	<10.0	16

LOCATION	DEPTH	mg/kg
vertical delineation trench at the junction (source)	4'	88
	5'	88
	6'	86
	7'	118
	8'	117

**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 5x3x8-ft deep excavation. Chloride field tests were performed on each sample which yielded low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. The deepest sample, 8 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Lab analysis confirmed low concentrations of each. The excavated soil was returned to the excavation and contoured to the surrounding area. On 12/31/2009, 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.

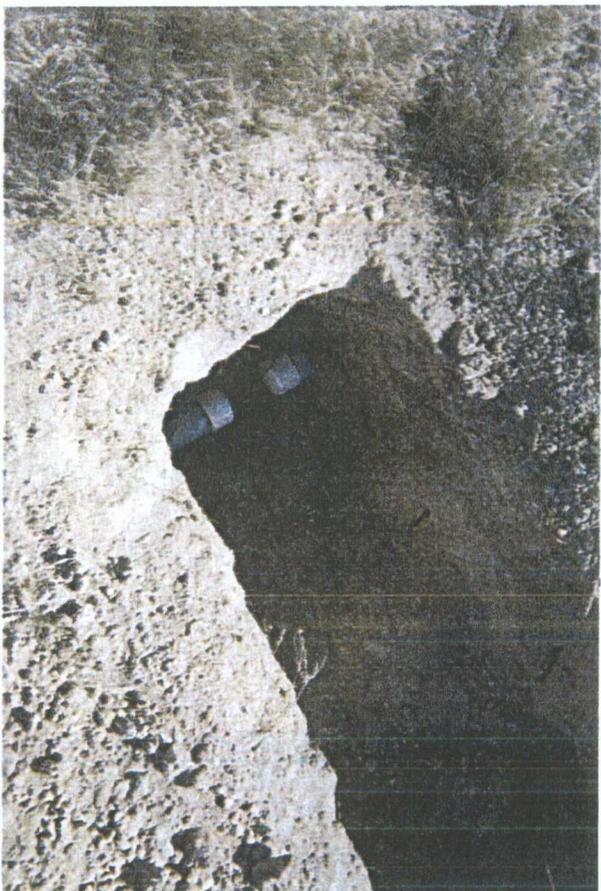
SITE SUPERVISOR Noel Carmona SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 3-25-10

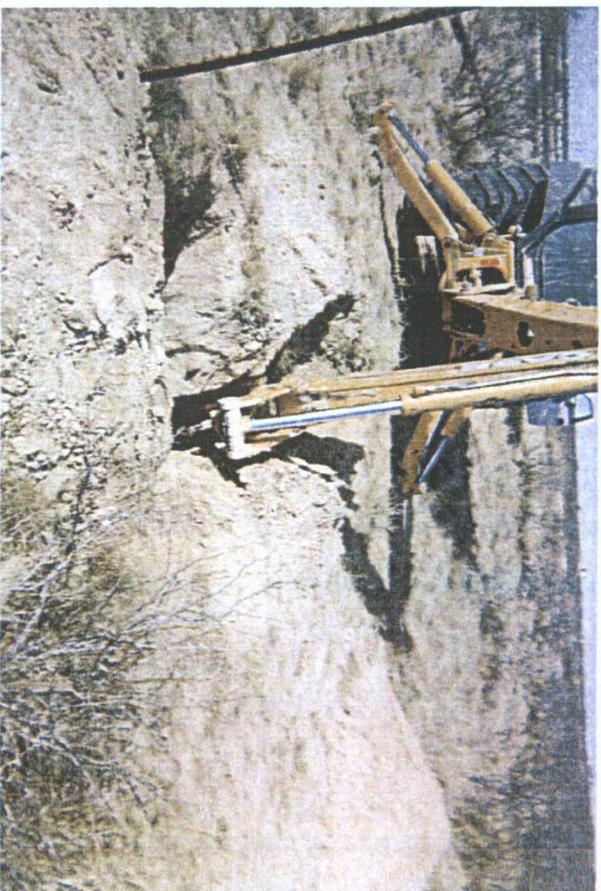
# BD K-25 EOL

Unit K, Section 25, T21S, R37E



Site prior to excavation

12/18/2009



Delineation trench being excavated

12/18/2009



Seeding site

12/31/2009



Site complete

12/31/2009



# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 1101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING COMPANY  
ATTN: BRUCE BAKER  
122 W. TAYLOR  
HOBBS, NM 88240

Receiving Date: 12/18/09  
Reporting Date: 12/23/09  
Project Number: NOT GIVEN  
Project Name: SOURCE @ 8'  
Project Location: B.D. K-25 (21-37)

Sampling Date: 12/18/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: HM  
Analyzed By: CK/AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>5</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	

ANALYSIS DATE	12/20/09	12/20/09	12/21/09
H18913-1 SOURCE @ 8'	<10.0	<10.0	< 16
Quality Control	574	583	500
True Value QC	500	500	500
% Recovery	115	117	100
Relative Percent Difference	3.7	8.1	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB  
\*Analysis performed on a 1:4 w:v aqueous extract.  
Reported on wet weight.

Bruce Baker  
Chemist

12/23/09  
Date

H18913TOL RICE

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.  
2111 Beechwood, Abilene, TX 79603  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: Rice Chemicals Co.  
 Project Manager: James L. Taylor  
 Address: 101 East Marland, Hobbs, NM 88240  
 City: Hobbs State: NM Zip: 88240  
 Phone #: (505) 393-2326 Fax #: (505) 393-2476  
 Project #: 101 Project Owner: Rice Chemicals Co.  
 Project Name: 101  
 Project Location: 101  
 Sample Name: ABUSE/SEC

LAB ID: Sample I.D.

Matrix	PRESERV.		SAMPLING	
	ICE/COOL	OTHER	DATE	TIME
GROUNDWATER	<input checked="" type="checkbox"/>		12/18/01	5:40 PM
WASTEWATER				
SOIL				
SLUDGE				
OTHER				
ADHESIVE				
OTHER				

Phone Result:  Yes  No  
 Fax Result:  Yes  No

REMARKS: Small amount of white solid

Received By: (Lab Staff) Apr 11/02  
 Sample Condition: Checked  
 Sample No: 101 By: James L. Taylor  
 Delivered By: (Client Data) James L. Taylor  
 Sample - UTM - Bus - Other: None

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



# CHLORIDE CONCENTRATION CURVE

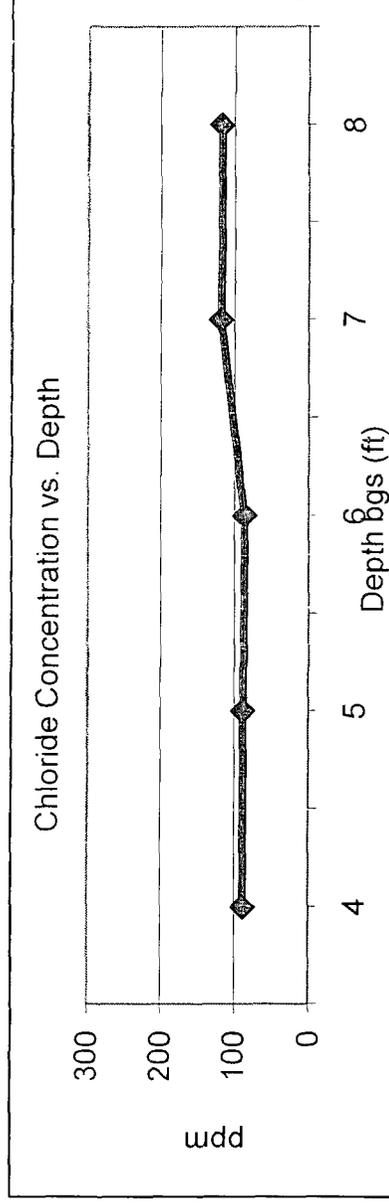
RICE Operating Company

## BD Jct K-25 EOL

Unit 'K', Sec. 25, T21S, R37E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl] ppm
4	88
5	88
6	86
7	118
8	117



Groundwater = 42 ft