

1R - 426-298

REPORTS

DATE:

3-29-11

1R426-298

BD D-18 EOL

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)	D-18 EOL	D	18	22S	37E	Lea	Length	Width	Depth
							Eliminated		

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

Depth to Groundwater _____ 93 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 10 _____

Date Started _____ 8/20/2010 _____ Date Completed _____ 8/20/2010 _____ OCD Witness _____ no _____

Soil Excavated _____ 5.3 _____ cubic yards Excavation Length _____ 6 _____ Width _____ 2 _____ Depth _____ 12 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 8/20/2010 _____ Sample Depth _____ 12 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 12' GRAB	18.7	<10.0	<10.0	32

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6"	86
vertical delineation trench at the junction (source)	3'	205
	4'	210
	5'	307
	6'	258
	7'	303
	8'	252
	9'	325
	10'	209
	11'	150
	12'	146

General Description of Remedial Action: This junction and line were 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 6x2x12-ft deep excavation. Chloride field tests yielded low concentrations similar to that of the background. Organic vapors were measured using a PID, which yielded low concentrations. The deepest sample, 12 ft. bgs, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 8/20/2010, 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 _____ 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 _____ 3-29-11 _____

BD D-18 EOL

Unit D, section 18, T22S, R37E



Site prior to excavation

8/20/2010



Delineation trench being excavated

8/20/2010



Sample being taken

8/20/2010



Site complete seeded and raked

8/20/2010



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

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

Received: 08/20/2010
Reported: 08/25/2010
Project Name: BD D-18 EOL
Project Number: NOT GIVEN
Project Location: BD D-18 EOL (22/37)

Sampling Date: 08/20/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Aaron Berry

Sample ID: SOURCE @ 12' (H020685-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2010	ND	416	104	400	3.77		
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	08/25/2010	ND	162	81.2	200	0.699		
DRO >C10-C28	<10.0	10.0	08/25/2010	ND	163	81.3	200	0.746		
Surrogate: 1-Chlorooctane		68.0 %	70-130							
Surrogate: 1-Chlorooctadecane		57.3 %	70-130							

COPY

Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

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

BILL TO		ANALYSIS REQUEST	
Company Name: Rice Operating Company		P.O. #:	
Project Manager: Bruce Baker		Company:	
Address: 122 W. Taylor		Attn:	
City: 88665 State: NM Zip: 88240		Address:	
Phone #: 575-393-9174 Fax #: 575-393-1471		City:	
Project #:		State: Zip:	
Project Name: ADD 18 EOL (22/37)		Project Owner:	
Project Location:		Phone #:	
Sample Name: ROBERT		Fax #:	
FOR LAB USE ONLY		PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	MATRIX	
		# CONTAINERS	(G) RAB OR (C) COMP.
N206851	SOURCE @ 12'	GROUNDWATER	DATE TIME
		WASTEWATER	8/20/10 11:50A
		SOIL	
		SLUDGE	
		OTHER:	
		ACID/BASE:	
		ICE / COOL	
		OTHER:	

Relinquished By: **ROBERT HARRISON** Date: **8/20/10** Time: **4:00P**

Relinquished By:

Delivered By: (Circle One) **Sample - UPS - Bus - Other:**

Received By: **CB** Date: **8/20/10** Time: **4:00P**

Received By:

Checked By: **CB**

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS: **E-Mail Results To: K Jones @ Rice Sud. com**
Baker
Acgans

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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: 930360	EXPIRATION DATE: 5/24/13
FILL DATE:	METER READING ACCURACY: 100.0 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	D-18 EOL	D	18	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
SOURCE @ 3'	3.6		
4'	4.7		
5'	3.3		
6'	3.9		
7'	3.9		
8'	547.3		
9'	549	COPY	
10'	393.3		
11'	3.6		
12'	18.7		
BACKGROUND @ 6"	5.2		

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

SIGNATURE:

[Handwritten Signature]

DATE:

8/20/10

CHLORIDE CONCENTRATION CURVE

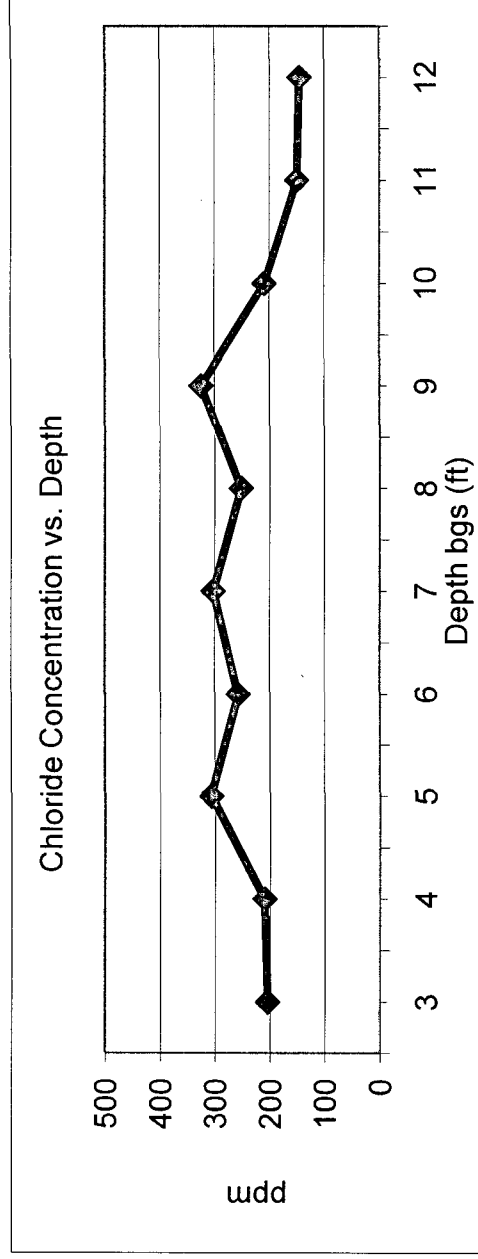
RICE Operating Company

BD D-18 EOL

Unit D, Sec. 18 T22S, R37E

Backhoe samples at the junction (source)

Depth bgs (ft)	Cl ppm
3	205
4	210
5	307
6	258
7	303
8	252
9	325
10	209
11	150
12	146



Groundwater = 93 ft.