1R - 426 - 290

REPORTS

DATE:

9-28-10

IR426-290

BD D-7-1 Vent

2010

CLOSURE

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Blinebry-Drinkard (BD)	D-7-1 Vent	D	7	21S	38E	Lea	6'	5'	4'
							Eliminated		

LAND TYPE: BLM ___ STATE ___ FEE LANDOWNER William F. McNeill OTHER ___

Depth to Groundwater 51 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 4/19/2010 Date Completed 4/19/2010 OCD Witness no

Soil Excavated 4.4 cubic yards Excavation Length 5 Width 2 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 4/19/2010 **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	0.0	<10.0	<10.0	32

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6"	89
vertical delineation trench at the junction (source)	5'	83
	6'	152
	7'	146
	8'	271
	9'	269
	10'	58
	11'	110
	12'	143

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 samples at regular intervals producing a 5X2X12-ft. deep excavation. Chloride field tests were performed on each sample which yielded low concentrations similar to that of the background sample. Organic vapors were measured using a PID, which also 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. The site was seeded by operations 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 Robert Egans SIGNATURE Robert Egans 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 9-28-10

BD D-7-1 Vent

Unit D, Section 7, T21S, R38E

Delineation trench being excavated 4/19/2010

Sample being collected 4/19/2010

Final excavation 4/19/2010

Backfilling excavation 4/19/2010

CARDINAL Laboratories

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

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

Receiving Date: 04/19/10
Reporting Date: 09/24/10***
Project Number: NOT GIVEN
Project Name: BD JCT D-7-1 (21-38)***
Project Location: BD JCT D-7-1 (21-38)***

Sampling Date: 04/19/10
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: JH
Analyzed By: AB/SJ

LAB NUMBER SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl^* (mg/kg)
ANALYSIS DATE	04/22/10	04/22/10	04/20/10
H19704-1** SOURCE @ 12'	<10.0	<10.0	32
Quality Control	524	533	500
True Value QC	500	500	500
% Recovery	105	107	100
Relative Percent Difference	2.5	0.6	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analysis performed on a 1:4 w:v aqueous extract.
Reported on wet weight.
**One or more TPH surrogates outside historical limits due to matrix interference.
***REVISED REPORT

Chemist

09/24/10
Date

H19704 TCL RICE

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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:	Rice Operating Company
Project Manager:	Bruce Baker
Address:	122 W. Taylor
City:	Hobbs State: NM Zip: 88240
Phone #:	575-393-9174 Fax #: 575-397-1471
Project #:	Project Owner:
Project Name:	BD Jct. D-7-1 (21158)
Project Location:	D-7-1 *
Sampler Name:	Robert Egans

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL	TPH 8015M
H9704-1	Source @ 12'	✓	1			✓					✓		4-19-10	2pm	✓	✓

COPY

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 the client for the 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 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.

Relinquished By: Robert	Date: Time:	Received By:	
Relinquished By:	Date: 4/19/10 Time: 4:30	Received By: Jodi Henson	
Delivered By: (Circle One) Sample - UPS - Bus - Other:	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: E-Mail Results To:
JPurvis@Ricesud.com
Bbaker " " "
Regans " " "
* Location is D-7-1 instead of O-7-1 as per Bruce. 9/23/10 ch

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

#26

RICE OPERATING COMPANY

122 West Tayor 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 7600	Serial No: 110-023920
✓	Model: PGM 7300	Serial No: 590-000508			Model: PGM 7600	Serial No: 110-013744
	Model: PGM 7300	Serial No: 590-000504			Model: PGM 7600	Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 928167	EXPIRATION DATE: 1-17-2013
FILL DATE:	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	D-7-1 Vent	D	7	21	38

SAMPLE ID	PID	SAMPLE ID	PID
Background	0	Source 5'	0.5
		6'	0.4
		7'	0.5
		8'	0.1
		9'	0
		10'	0
		11'	0
		12	0

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

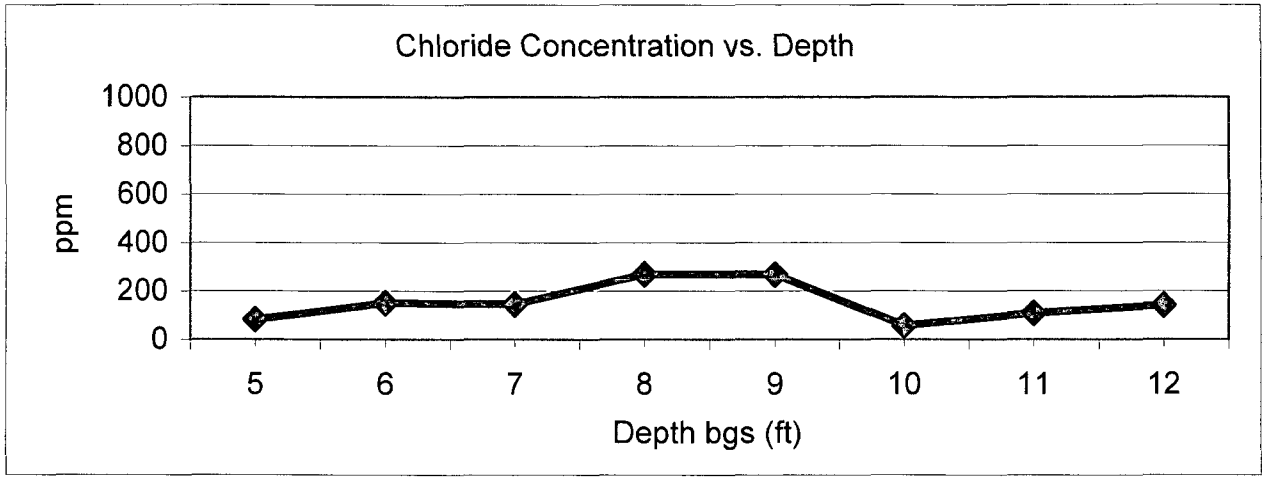
SIGNATUE: Robert Lyons DATE: 4-19-2010

BD D-7-1 Vent

Unit 'D', Sec. 7, T21S, R38E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl⁻] ppm
5	83
6	152
7	146
8	271
9	269
10	58
11	110
12	143



Groundwater = 51ft.