1R - 426-243

REPORTS

DATE:

3-12-10

BD K-16 EOL

2009

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

1R426-243

CLOSURE

RECEIVED
APR - 6 2010
Environmental Bureau
Oil Conservation Division

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)	K-16 EOL	K	16	22S	37E	Lea	eliminated		

LAND TYPE: BLM ___ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 76' feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 11/9/2009 Date Completed 11/25/2009 OCD Witness no

Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 11/17/2009 **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	Chloride mg/kg
4-WALL COMP.	3.5	<10.0	<10.0	16
BOTTOM COMP.	0.4	<10.0	<10.0	48
BLENDED BACKFILL	0.4	<10.0	<10.0	32

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	325
bottom comp.	12'	351
blended backfill	n/a	381
vertical delineation trench at 5 ft north of the former junction	2'	261
	4'	206
	6'	294
	8'	191
	10'	169
	12'	165

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 producing a 10x10x12-ft-deep excavation. Field data suggest the site is low in organic vapors and chloride concentrations. Representative composite samples were collected from the excavation walls, bottom, and blended excavated soil. The representative samples were analyzed by a commercial laboratory for chloride and TPH, which confirmed low concentrations. The blended excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 11/30/2009, 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 Noel Carmona SIGNATURE _____ COMPANY RICE OPERATING COMPANY

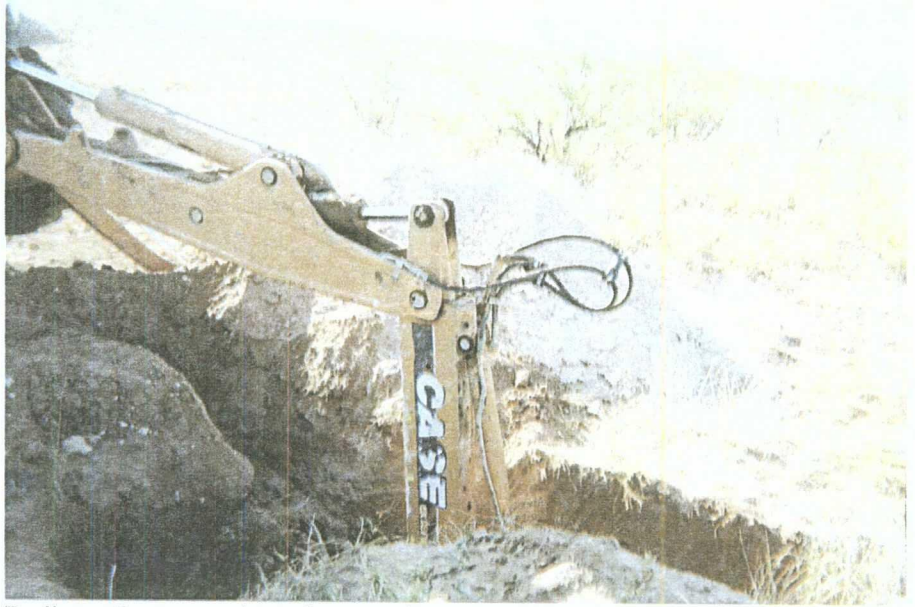
REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-12-10

BD K-16 EOL

Unit K, Section 16, T22S, R37E

Site prior to excavation 11/09/2009



Delineation trench at former junction box 11/09/2009

Backfilling excavation 11/25/2009

Seeding excavation 11/30/2009

CARDINAL LABORATORIES

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

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

Receiving Date: 11/17/09
Reporting Date:11/20/09
Project Number: NOT GIVEN
Project Name: B.D. K-16 EOL (22-37)
Project Location: B.D. K-16 EOL (22-37)

Sampling Date: 11/17/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		11/19/09	11/19/09	11/18/09
H18749-1	5PT. BOTT. COMP. @ 12'	<10.0	<10.0	48
H18749-2	4 WALL COMP. @ 10x10	<10.0	<10.0	16
H18749-3	8PT. COMP. BLENDED BACKFILL	<10.0	<10.0	32
Quality Control		473	566	500
True Value QC		500	500	500
% Recovery		94.6	113	100
Relative Percent Difference		3.6	6.7	< 0.1

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

Chemist

11/24/09
Date

H18749 TCL RICE

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 · 101 East Marland, Hobbs, NM 88240
(325) 673-7001 Fax (325) 673-7020 · (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

		BILL TO	
Company Name:	Rice Operating Co	P.O. #:	
Project Manager:	Bruce Baker	Company:	
Address:	122 W. Taylor	Attn:	
City: Hobbs	State: NM Zip: 88240	Address:	
Phone #: 575) 393-9174	Fax #: 575) 397-1471	City:	
Project #:	Project Owner:	State:	Zip:
Project Name:		Phone #:	
Project Location:	B.D. K-16 ... 22-37	Fax #:	
Sampler Name:	[illegible] Cummings		

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	ANALYSIS REQUEST: Cl-	TPH 8015
H18749-1	5 pt bott Comp @12'	C	1			✓					✓		11-17-09	11:00 AM	✓	✓
-2	4 wall Comp @ 10x10	C	1			✓					✓		↓	12:00 pm	✓	✓
-3	8 pt Comp. Blended backfill	C	1			✓					✓		↓	12:30 pm	✓	✓

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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: / Time:	Received By:	
Relinquished By: [signature]	Date: 11/17/09 Time: 4:50p	Received By: (Lab Staff) Misty LeBert	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Temp. °C cool; Intact? ☑ Yes ☐ No	Checked By: (Initials) MCB

Phone Result: ☐ Yes ☐ No
Fax Result: ☐ Yes ☐ No
REMARKS:

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

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
X	Model: PGM 7300	Serial No: 590-000504			Model: PGM 7600	Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 98516	EXPIRATION DATE: 9-22-2016
FILL DATE:	METER READING ACCURACY: 100 p.p.m.

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD.	K-16 Eol	K	16	22	37

SAMPLE ID	PID	SAMPLE ID	PID
RH. Spt. Comp	0.4		
Blended back fill	0.4		
U well Comp	3.5		

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

SIGNATUE: [signature]

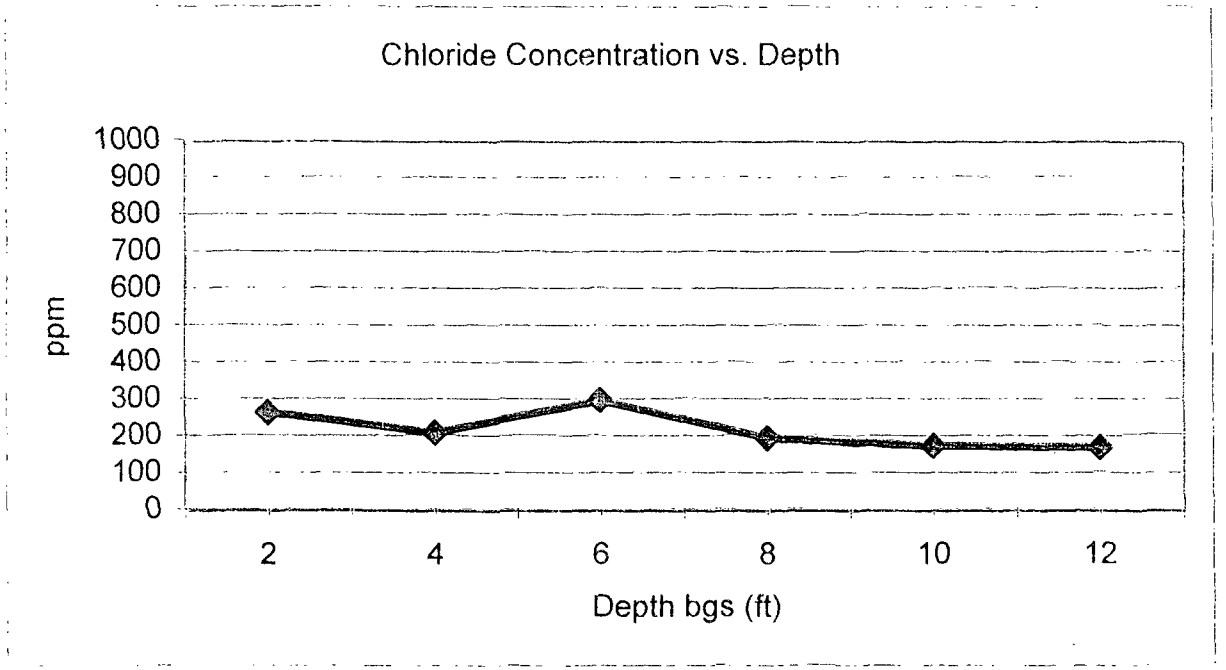
DATE: [illegible]

BD K-16 EOL

Unit 'K', Sec. 16, T22S, R37E

Backhoe samples at 5 ft north of the former junction

Depth bgs (ft)	[Cl⁻] ppm
2	261
4	206
6	294
8	191
10	169
12	165



Groundwater = 76 ft