1R - 426-240

REPORTS

DATE:

2-23-10

BD I-25 EOL
2009

IR426-240

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APR - 6 2010
Environmental Bureau
Oil Conservation Division

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)	I-25 EOL	I	25	21S	37E	Lea	eliminated		

LAND TYPE: BLM ___ STATE ___ FEE LANDOWNER: Wallach Ranch OTHER ___

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/10/2009 Date Completed 10/19/2009 OCD Witness no

Soil Excavated 67 cubic yards Excavation Length 10 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS:

Sample Date 10/9/2009 **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.	0.3	<10.0	<10.0	240
BOTTOM COMP.	0.6	<10.0	<10.0	320
BLENDED BACKFILL	0.5	<10.0	<10.0	384

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	241
bottom comp.	12'	328
blended backfill	n/a	387
background	6"	150
vertical delineation trench at 10 ft West of the junction (source)	2'	389
	4'	598
	6'	570
	8'	542
	10'	451
	12'	268

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 10x15x12-ft-deep excavation. Field data suggest the site is low in organic vapors and chloride concentrations are relatively low. 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 5 ft. BGS. A one foot clay layer was installed and compaction test performed and remaining blended excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 11/25/2009, 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, compaction results, PID (field) screenings, cross-section, chloride curve

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

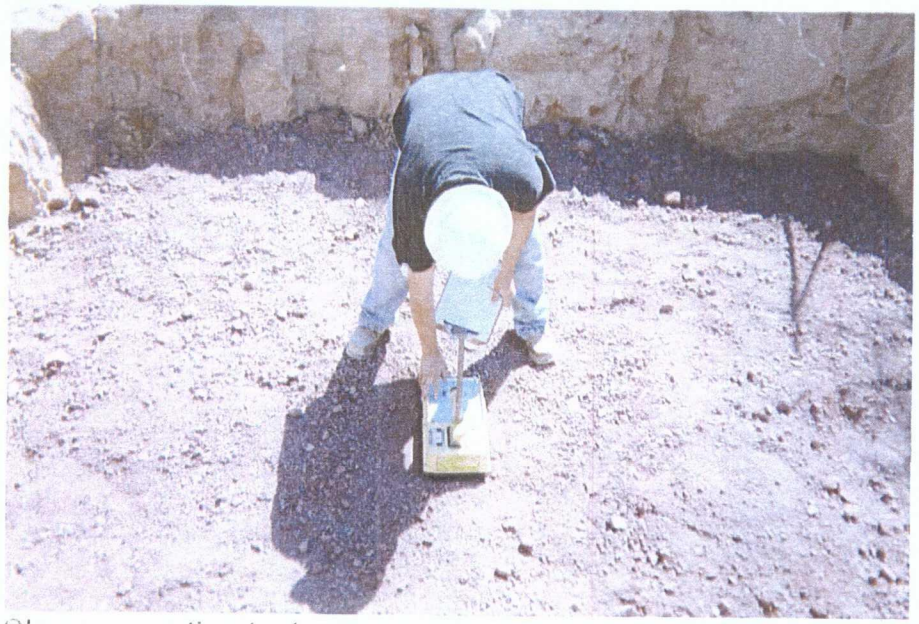
PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 2-23-10

BD I-25 EOL

Unit I, Section 25, T21S, R37E

Delineation trench at former junction box 9/10/2009

Blending Backfill 10/09/2009



Clay compaction test 10/19/2009

Seeding excavation 11/25/2009

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
FAX TO: (575) 397-1471

Receiving Date: 10/09/09
Reporting Date: 10/14/09
Project Owner: NOT GIVEN
Project Name: B.D. I-25 EOL (21-37)
Project Location: B.D. I-25 EOL (21-37)

Sampling Date: 10/09/09
Sample Type: SOIL
Sample Condition: 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		10/13/09	10/13/09	10/12/09
H18470-1	5 PT. BTTM COMP @ 12'	<10.0	<10.0	320
H18470-2	4 WALL COMP @ 15'x10'	<10.0	<10.0	240
H18470-3	BLENDED BACKFILL	<10.0	<10.0	384
Quality Control		516	546	500
True Value QC		500	500	500
% Recovery		103	109	100
Relative Percent Difference		9.2	18.5	2.0

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

Chemist

10/14/09
Date

COPY

H18470 TCL RICE

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Page_____ of _____

		BILL TO
Company Name: Rice Operating		P.O. #:
Project Manager: Bruce Baker		Company:
Address: 122 W Taylor		Attn:
City: Hobbs	State: NM Zip: 88240	Address:
Phone #: 393-9174	Fax #: (575) 397-1471	City:
Project #:	Project Owner:	State: Zip:
Project Name: BD J-25 EOL (21-37)		Phone #:
Project Location: BD J-25 EOL (21-37)		Fax #:
Sampler Name: Eric Garrison		

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: 8015M TPH	Cl-
H18470-1	5 pt Btm comp @ 12'	C	1			X					X		10-9-09	14:20	X	X
-2	4 wall comp @ 15 x 10	C	1			X					X		10-9-09	14:45	X	X
-3	Blended Backfill	C	1			X					X		10-9-09	14:55	X	X

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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.

Sampler Relinquished: Eric Garrison Date: 10-9-09 Time: 4:23p Received By: [signature]

Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Temp.

Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) MCB

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

REMARKS: Results
BBaker@riceswd.com
JParvis@riceswd.com
EGarrison@riceswd.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

*on ice / cooling process had begun

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
X	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 : 134509	EXPIRATION DATE: 07-30-10
FILL DATE: 07-28-09	METER READING ACCURACY: +/- 3.3%

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
60	I-35 10	I	25	21S	37E

10 w 25T

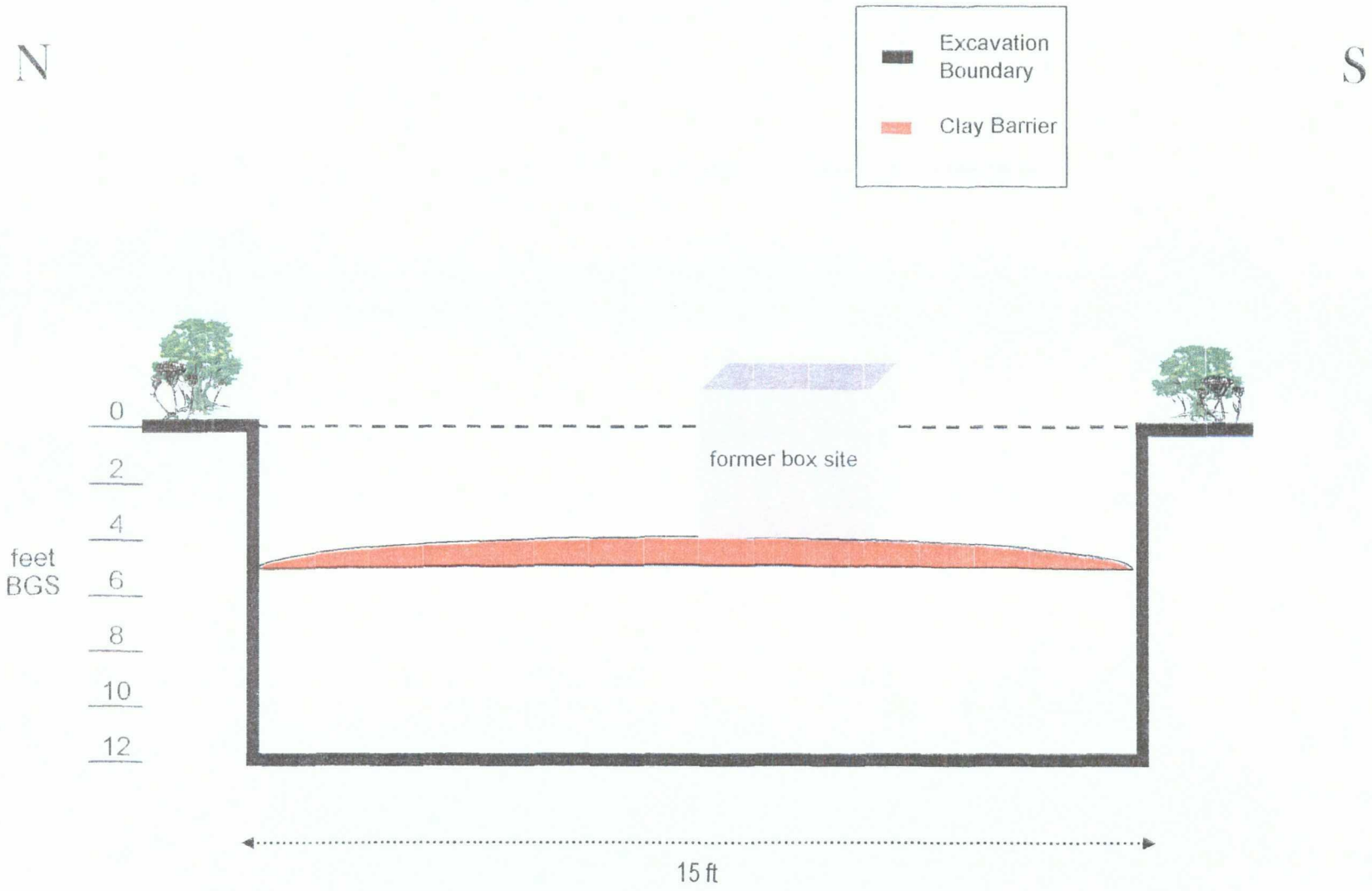
SAMPLE ID	PID	SAMPLE ID	PID
2	1.6	SPITTER	0.6
4	0.0	Well	0.3
6	0.0	Wellhead to Well	0.5
8	0.0		
10	0.0		
12	0.0		
		COE	

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

SIGNATUE: [signature] DATE: 10-7-09

BD I-25 EOL
Unit 'I', Sec. 25, T21S, R37E

Excavation Cross-Section



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(575) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To:	Rice Operating Company Attn: Bruce 122 W. Taylor Hobbs, NM 88240	**Material:**	Wallach Red Clay
		Test Method:	ASTM: D 2922
Project:	BD Junction J-25 2137 Project No. 2009.1260		
Date of Test:	October 19, 2009	**Depth:**	See Below
		Depth of Probe:	12"

Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 2	BD I25 BOL (2137) - 5' N. & 3' S. of NE Corner	89.9	15.5	3' Below FG

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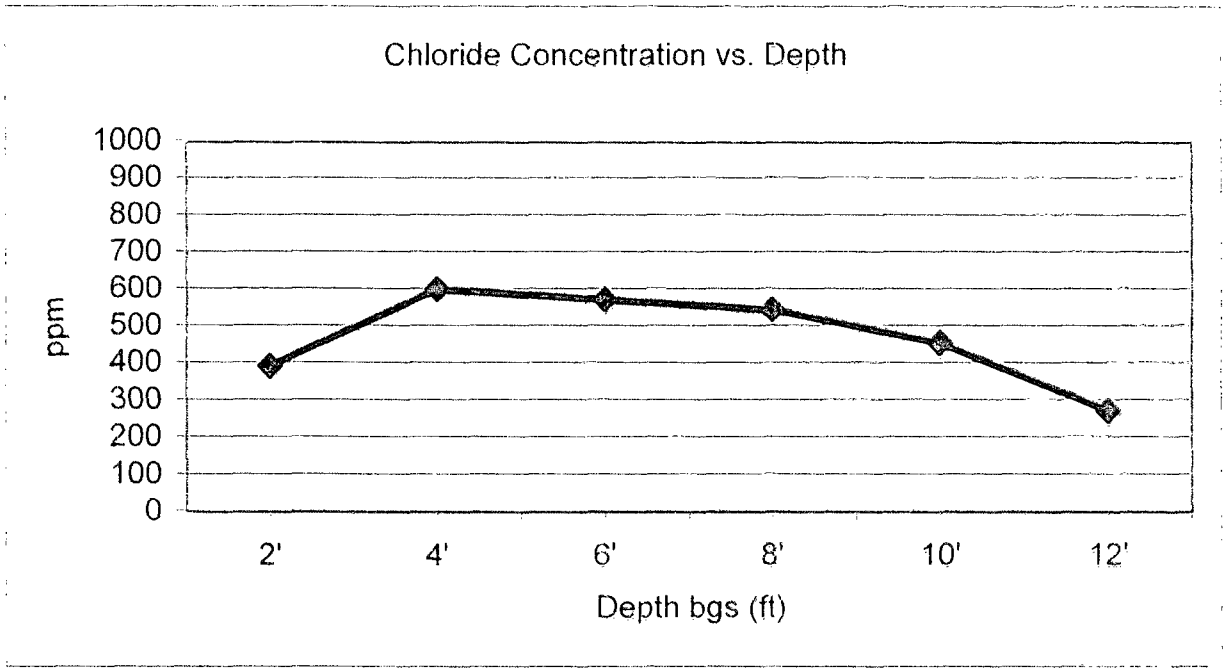
Control Density:	100.7 ASTM: D 698	**Optimum Moisture:**	20.7%
Required Compaction:	90 - 95%	**Densometer ID:**	5572
Lab No.:	09 6653-6654		PETTIGREW & ASSOCIATES
Copies To:	Rice Operating	**BY:**	
		BY:	P.E.

BD I-25 EOL

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

Backhoe samples at 10 ft West of the junction (source)

Depth bgs (ft)	Cl, ppm
2'	389
4'	598
6'	570
8'	542
10'	451
12'	268



Groundwater = 35 ft