1R - 423-20

REPORTS

DATE:

3-16-10

IR423-20

Justis Jct L-15
2009

DISCLOSURE

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length 3'	Width 5'	Depth 3'
Justis	Jct. L-15	L	15	24S	37E	Lea	same location		

LAND TYPE: BLM ___ STATE ___ FEE LANDOWNER Gerald & Daniel Boom OTHER ___

Depth to Groundwater 88 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/29/2009 Date Completed 9/30/2009 OCD Witness no

Soil Excavated 177.8 cubic yards Excavation Length 20 Width 20 Depth 12 feet

Soil Disposed 204 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS:

Sample Date 7/13/2009, 7/14/2009 7/28/2009, 9/30/2009 **Sample Depth** 12 ft, 20 ft, 80 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.	0.2	<10.0	45.0	2,880
BOTTOM COMP.	0.0	<10.0	42.4	2,160
BACKFILL	0.0	<10.0	45.9	1,280
BLENDED BACKFILL	0.0	<10.0	<10.0	192
SB#1 @ 20'	0.0	<10.0	<10.0	2,300
SB#1 @ 80'	0.0	<10.0	<10.0	96

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	2,087
bottom comp.	12'	1,776
backfill	n/a	1,203
blended backfill	n/a	231
background	6"	183
SOIL BORING at 15 ft NNE of the junction (9/30/2009)	15'	359
	20'	2,219
	25'	331
	30'	356
	35'	2,036
	40'	1,390
	45'	903
	50'	1,382
	55'	1,117
	60'	1,237
	65'	1,050
	70'	1,567
	75'	289
	80'	258

General Description of Remedial Action: This junction box was addressed during the pipeline replacement/upgrade program. After the former box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft deep excavation. Each sample was field tested for chlorides which yielded elevated concentrations. Organic vapors, measured using a PID, yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH. The excavated soil was returned to the excavation up to 5 ft below ground surface (BGS). At 5-4 ft BGS, a 30x30 1-ft thick clay barrier was installed and a compaction test was performed on 8/10/2009. The 20x20 excavation had a 5 ft shelf extending to the north, south, east, and west walls. Clean, imported soil was used to pad the liner. The remaining backfill was blended with clean, imported soil and sent to a commercial laboratory for analysis of chloride and TPH. The blended backfill was returned to the excavation and a new, watertight junction box was built in the same location. On 9/17/2009, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, a soil boring was initiated on 9/30/2009 at 15 ft NNE of the current junction box site. The boring was advanced to a depth of 80 ft BGS, while soil samples were collected every 5 ft and field tested for chlorides which yielded elevated concentrations that decreased with depth. The 20 ft and 80 ft BGS samples were sent to a commercial laboratory for analysis of chloride and TPH. The soil bore was plugged with bentonite to the ground surface. NMOCD was notified of potential groundwater impact on 3/4/2010.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, boring log, lab results, PID (field) screenings, cross-section, compaction test, chloride curve

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

SITE SUPERVISOR Jordan Woodfin SIGNATURE Jordan Woodfin COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-16-10

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

Justis Jct. L-15

Unit L, Section 15, T24S, R37E

former junction box, facing northwest 6/29/2009

collecting a soil sample, facing northwest 6/29/2009

final 20x20x12-ft excavation, facing southwest 7/13/2009

30x30 ft clay barrier installed, facing north 8/11/2009

seeding the backfilled site 9/17/2009

drilling SB #1 15 ft NNE of the new, watertight junction box 9/30/2009

plugging SB #1 with bentonite 9/30/2009

Logger:	Lara Weinheimer
Driller:	Harrison & Cooper, Inc. Drilling
Consultant:	None - junction box upgrade plan
Drilling Method:	Air rotary
Start Date:	9/30/2009
End Date:	9/30/2009

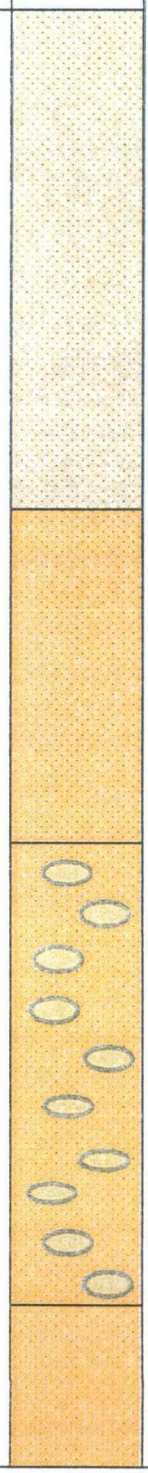
RICE OPERATING COMPANY ROC SINCE 1955

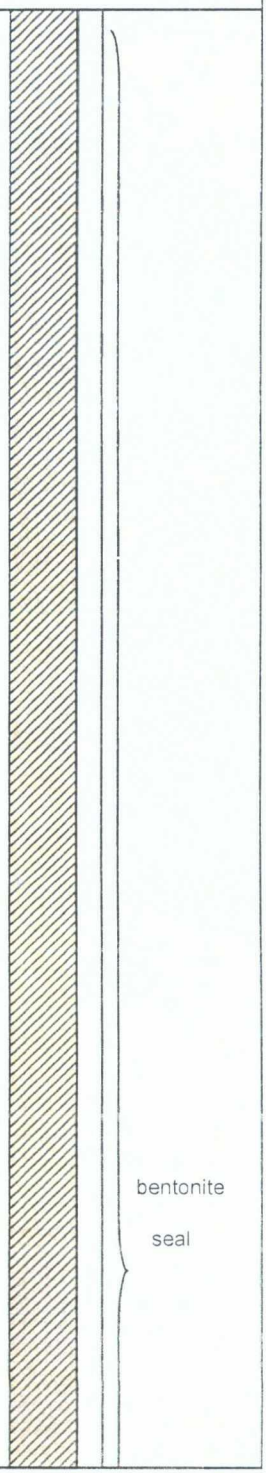
Project Name:	Well ID:
Justis jct. L-15	SB #1

Comments: All samples from cuttings
Located 15 ft NNE of the current junction box.
Drafted by: Lara Weinheimer
TD = 80 ft Estimated depth to GW = 88 ft

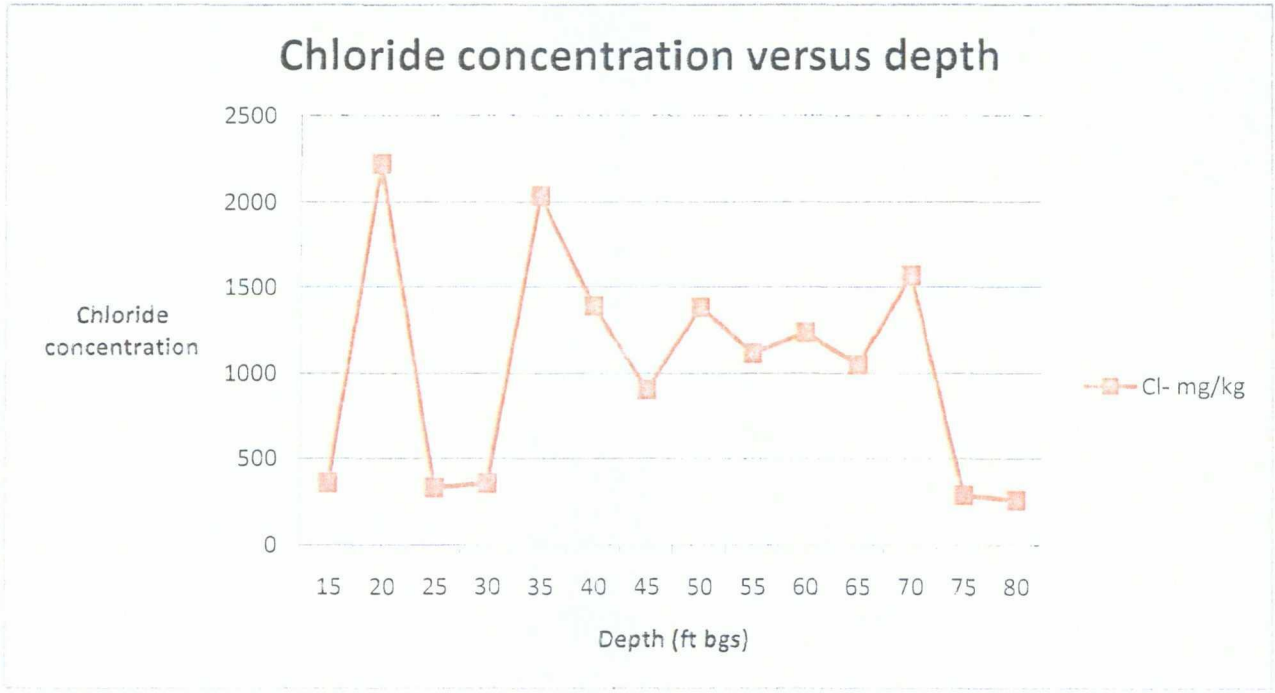
Location: UL/L sec. 15 T24S R37E
Lat: N32°12'55.754" County: Lea
Long: W103°9'22.241' State: NM

Depth (feet)	chloride field tests	LAB	PID	Description
15	359		0	10 - 25 ft VERY FINE TO FINE SAND light brown, no odor, dry
20	2219	Cl- 2300	0	
		GRO <10.0		
		DRO <10.0		
25	331		0	
				25 - 30 ft VERY FINE TO FINE SAND light orangey brown, dry, no odor
30	356		0	
				30 - 35 ft VERY FINE TO FINE SAND light orangey brown, slightly moist, no odor
35	2036		0	
				35 - 50 ft VERY FINE TO FINE SAND WITH CONSOL. ROCK light orangey brown, dry, no odor
40	1390		0	
45	903		0	
50	1382		0	
				50 - 55 ft VERY FINE TO FINE SAND light orangey brown, slightly moist, no odor
55	1117		0	





				50 - 55 ft VERY FINE TO FINE SAND; SANDSTONE ROCK	
60	1237		0	light orangey brown, slightly moist, no odor	
				60 - 70 ft VERY FINE TO FINE SAND light orangey brown, very slightly moist, no odor	
65	1050		0		
70	1567		0		
				70 - 75 ft VERY FINE TO FINE SAND	
75	289		0	light brown, no odor, slightly moist	
				75 - 80 ft VERY FINE TO FINE SAND	
80	258	Cl- 96	0	orangey brown, slightly moist, no odor	
		GRO <10.0			
		DRO <10.0			



CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/01/09
Reporting Date: 10/05/09
Project Owner: NOT GIVEN
Project Name: JUSTIS JCT L-15
Project Location: JUSTIS JCT L-15

COPY

Sampling Date: 09/30/09
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		10/02/09	10/02/09	10/01/09
H18376-1	SB#1 @ 20'	<10.0	<10.0	2,300
H18376-2	SB#1 @ 80'	<10.0	<10.0	96
Quality Control		507	535	500
True Value QC		500	500	500
% Recovery		101	107	100
Relative Percent Difference		4.3	2.8	<0.1

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

10/07/09
Date

H18376 TOL 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	**BILL TO**	
Project Manager:	Hack Conder	P.O. #:	
Address:	122 West Taylor	Company:	
City:	Hobbs	State: NM Zip: 88240	Attn:
Phone #:	393-9174	Fax #: 397-1471	Address:
Project #:		Project Owner:	City:
Project Name:	Justis jct L-15		State: Zip:
Project Location:	Justis jct L-15		Phone #:
Sampler Name:	Lara Weinheimer		Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH											
H18350-1	SD #1 @ 18'	G	1			✓					✓		9-30-09	1:09	✓	✓												
2	SD #1 @ 80'	G	1			✓					✓		9-30-09	1:40	✓	✓												

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:	Date:	Received By:	Phone Result:	☐ Yes	☑ No
L. Weinheimer	Time:		Fax Result:	☐ Yes	☑ No
Relinquished By:	Date:	Received By:	REMARKS: email results		
	Time:		Hconder@riceswd.com; jpurvis@riceswd.com; Lweinheimer@riceswd.com		

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials)

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

NEED SAMPLES BACK, PLEASE

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240
PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK MODEL NO.			
		MODEL: PGM 7300	SERIAL NO: 590-000183
✓		MODEL: PGM 7300	SERIAL NO: 590-000508
		MODEL: PGM 7600	SERIAL NO: 110-12383
		MODEL: PGM 7600	SERIAL NO: 110-02920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 924 908	EXPIRATION DATE: 9-19-2012
FILL DATE: 3-9-09	METER READING ACCURACY: 100.5

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
Justis	jct L-15	L	15	T24S	R37E

SAMPLE ID: Soil boring #1

DEPTH	PID
15'	0
20'	0
25'	0
30'	0
35'	0

DEPTH	PID
65'	0
70'	0
75'	0
80'	0

DEPTH	PID

DEPTH	PID

DEPTH	PID
40'	0
45'	0
50'	0
55'	0
60'	0

DEPTH	PID

DEPTH	PID

DEPTH	PID

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

Signature _____ Date 9-30-09

SITE MAP

N

CARDINAL LABORATORIES

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

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

Receiving Date: 07/14/09
Reporting Date: 07/22/09**
Project Number: NOT GIVEN
Project Name: JUSTIS JCT L-15
Project Location: JUSTIS JCT L-15

Sampling Date: 07/13/09 & 07/14/09
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		07/17/09	07/17/09	07/15/09
H17810-1	BACKFILL	<10.0	45.9	1,280
H17810-2	5PT BTM COMP.	<10.0	42.4	2,160
H17810-3	4WALL COMP.	<10.0	45.0	2,880
Quality Control		503	582	490
True Value QC		500	500	500
% Recovery		101	116	98.0
Relative Percent Difference		17.7	8.4	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClˉB
*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.
**Revised Report. H17810-2 and H17810-3 reanalyzed for Chloride on 07/21/09.

Chemist

Date

H17810 TOL RICE

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	RICE OPERATING	**BILL TO**	
Project Manager:		P.O. #:	
Address:	122 W. TAYLOR	Company:	
City:	HOBBS	State: NM Zip: 88240	Attn:
Phone #:	393-9174	Fax #:	Address:
Project #:		Project Owner:	City:
Project Name:	Justis Jct L-15		State: Zip:
Project Location:	Justis Jct L-15		Phone #:
Sampler Name:	JORDAN WOODFIN		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Cl-	TPH 8015m										
H17810-1	Backfill	C	1			X					X		7-14-09	3:45p	X	X										
-2	Sqr Btm Comp.	C	1			X					X		7-13-09	10:40a	X	X										
-3	Overall Comp.	C	1			X					X		7-13-09	11:55a	X	X										

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:	Date: 7-14-09	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
JORDAN WOODFIN	Time: 4:52		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email Results to BBAKER@RICESLUD.COM cc SPUEVIS@ " cc JWOODFIN@ "
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: Yes ☑ Intact: Yes ☑	CHECKED BY: (Initials) MCAB	

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

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: 590-000509		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 : 08-3425	EXPIRATION DATE: 8-29-09
FILL DATE: 2-29-08	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Justis	L-15	L	15	24s	37E

SAMPLE ID	PID	SAMPLE ID	PID
5pt Btm Comp	0	4 wall Comp	0.2
Backfill	0	North Wall	0
		South Wall	0
		East Wall	0
		West Wall	0

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

SIGNATUE: Jordan Woodfin DATE: 7-12-09

CARDINAL LABORATORIES

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

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

Receiving Date: 07/28/09
Reporting Date: 07/30/09
Project Number: NOT GIVEN
Project Name: JUSTIS JCT L-15
Project Location: JUSTIS JCT L-15

Sampling Date: 07/28/09
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		07/29/09	07/29/09	07/29/09
H17885-1	BLENDED BACKFILL	<10.0	<10.0	192
Quality Control		492	565	510
True Value QC		500	500	500
% Recovery		98.4	113	102
Relative Percent Difference		5.4	3.3	2.0

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

Date

H17885 TOL 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	BILL TO	
Project Manager:	Jordan Wooden	P.O. #:	
Address:	122 W. Taylor	Company:	
City:	Hobbs	State: NM Zip: 88240	Attn:
Phone #:	393-9174	Fax #:	Address:
Project #:		Project Owner:	City:
Project Name:	Green Justis Set L-15		State: Zip:
Project Location:	Justis Set L-15		Phone #:
Sampler Name:	Jordan Wooden		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Cl -	TPH @ 8015M
H19041	Redwood Backfill	C	1			X					X		7-28-09	10:45a	X	X

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:	Date: 7-29-09	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Jordan Wooden	Time: 1:42		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email Results to: BBaker@RiceSwd.com JTurvis@RiceSwd.com JWooden@RiceSwd.com
	Time:		

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

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

CHECKED BY: (Initials)

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

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 : 08-3425	EXPIRATION DATE: 8-29-09
FILL DATE: 2-29-08	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Justis	L-15	L	15	24S	37E

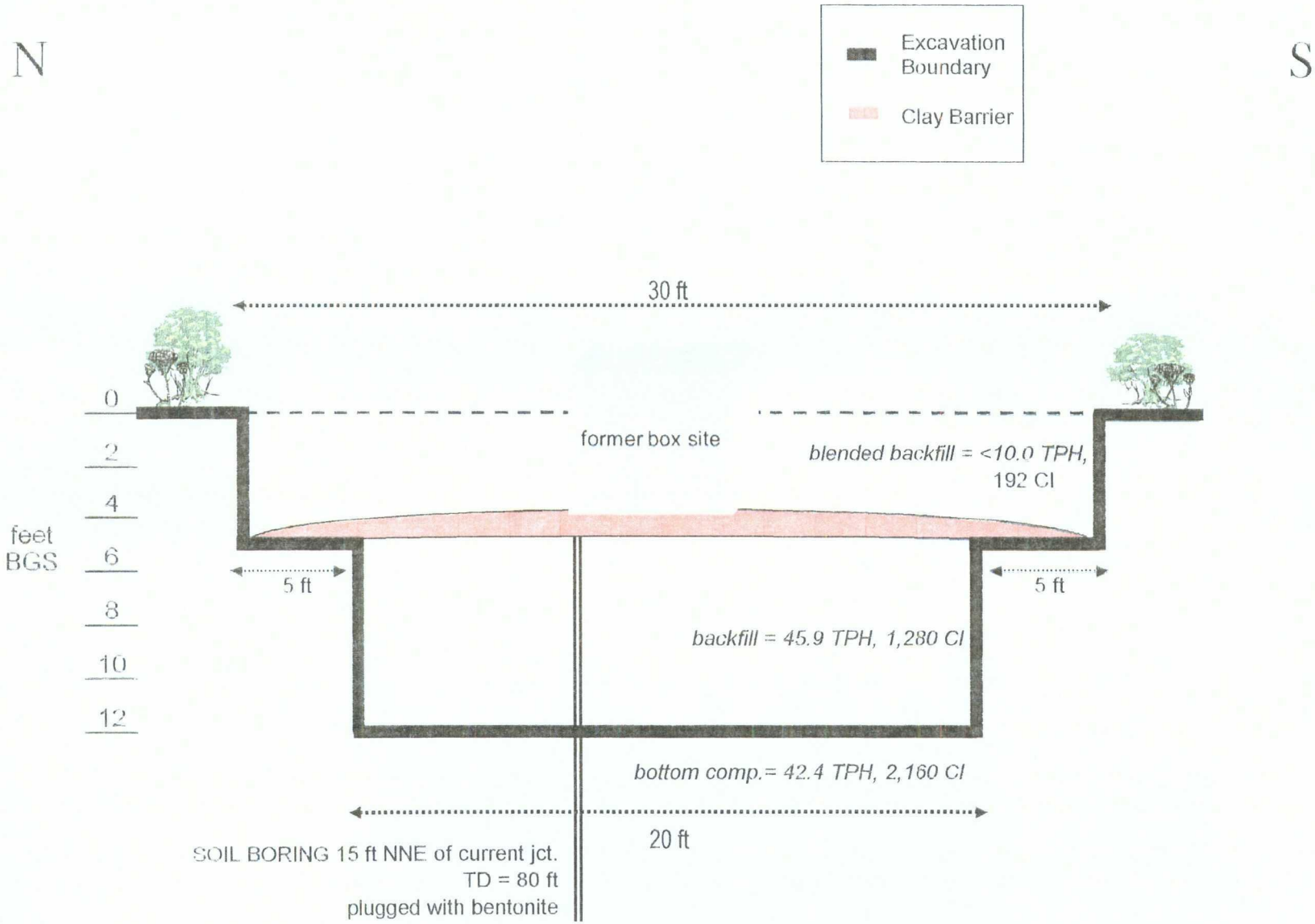
SAMPLE ID	PID	SAMPLE ID	PID
Blended Backfill	0		
		COPY	

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

SIGNATUE: Jordan Woolf DATE: 7-29-09

Justis Jct. L-15
Unit 'L', Sec. 15, T24S, 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: General Information
Justice -L15
Project No. 2008.1069

Date of Test: August 10, 2009

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 18	Pit - 6' N. & 20' W. of SE Corner	92.2	16.6	FSG

COPY

Control Density: 100.7
ASTM: D 698

Optimum Moisture: 20.7%

Required Compaction: 90 - 95%

Densometer ID: 5071

Lab No.: 09 4753-4754

PETTIGREW & ASSOCIATES

Copies To: Rice Operating

BY: _____

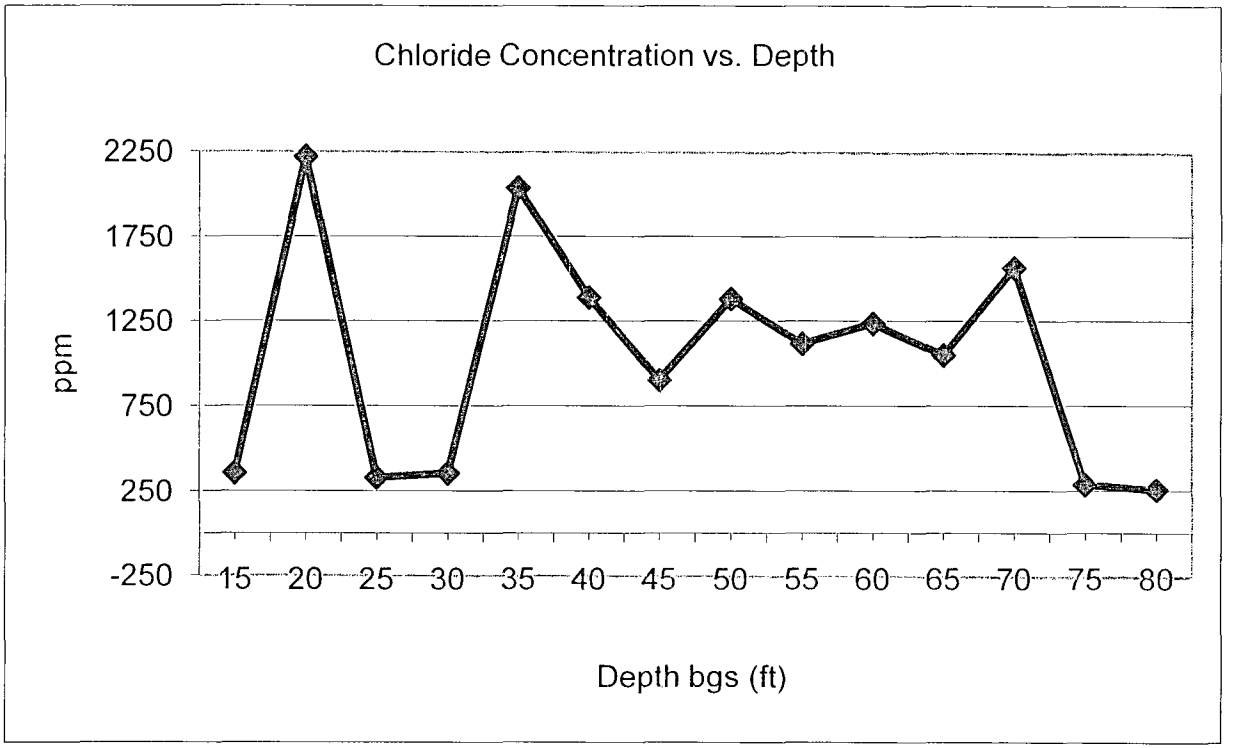
BY: _____ P.E.

Justis Jct L-15

Unit 'L', Sec. 15, T24S, R37E

Soil Boring samples at 15 ft NNE of the junction (source)

Depth bgs (ft)	[Cl] ppm
15	359
20	2219
25	331
30	356
35	2036
40	1390
45	903
50	1382
55	1117
60	1237
65	1050
70	1567
75	289
80	258



Groundwater = 88 ft