

1R - 425-88

REPORTS

DATE:

4-1-10

Vac D-31 EOL

1R425-88

2009

RECEIVED

APW - 3 28
Environmental & Safety
Oil Conservation Program

DISCLOSURE

RECEIVED

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

APR - 6 2010

Environmental Bureau
Oil Conservation Division

BOX LOCATION							BOX DIMENSIONS - FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
Vacuum	D-31 EOL	D	31	17S	35E	Lea	eliminated		

LAND TYPE: BLM STATE X FEE LANDOWNER OTHER

Depth to Groundwater 117 feet NMOC SITE ASSESSMENT RANKING SCORE: 20

Date Started 2/18/2009 Date Completed 6/8/2009 OCD Witness no

Soil Excavated 333.3 cubic yards Excavation Length 30 Width 25 Depth 12 feet

Soil Disposed 84 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 4/6/2009, 4/15/2009, 5/20/2009, 6/19/2009 Sample Depth 12 ft, 35 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 NMOC guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	0.5	<10.0	<10.0	672
BOTTOM COMP.	2.3	<10.0	<10.0	1,200
BLENDED BACKFILL COMP.	2.0	<10.0	<10.0	720
BLENDED BACKFILL II COMP.	0.9			256
SB #1 @ 35'		<10.0	<10.0	1,500
SB #1 @ 80'		<10.0	<10.0	272

LOCATION	DEPTH	mg/kg
4-WALL COMP.	n/a	568
BOTTOM COMP.	12'	957
BLENDED BACKFILL COMP.	n/a	722
BLENDED BACKFILL II COMP.	n/a	303
BACKGROUND	6"	194
Soil Bore 3 ft. south east of the former junction box	15'	861
	20'	871
	25'	844
	30'	1,393
	35'	1,412
	40'	1,338
	45'	997
	50'	1,101
	55'	779
	60'	525
	65'	531
	70'	510
	75'	425
	80'	300

General Description of Remedial Action: This junction was addressed during the Vacuum SWD System Abandonment. An investigation was conducted at the former junction box site using a backhoe to collect soil samples at regular intervals creating a 30x25x12-ft excavation. Chloride field tests performed on each sample 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, which confirmed elevated chloride concentrations and low concentrations of TPH. The blended excavated soil was returned to the excavation 5 ft below ground surface (BGS). A 5-ft-deep shelf was excavated 5 ft in every direction. At 5-4 ft BGS, a 1-ft thick clay barrier was installed with a compaction test performed on 5/21/2009. The remaining backfill was blended on site with clean imported soil and returned to ground surface and contoured to the surrounding area. On 6/8/2009, 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 bore was initiated on 6/19/2009 at 3 ft SE of the former junction box site. The boring was advanced to a depth of 80 ft BGS with soil samples collected every 5 ft and field tested for chloride and organic vapors. Lab analysis of the 35 and 80 ft samples yielded chloride concentrations that decreased with depth and low concentrations of organics. The entire bore hole was plugged with bentonite to the ground surface. NMOC was notified of potential groundwater impact on 3/12/09.

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

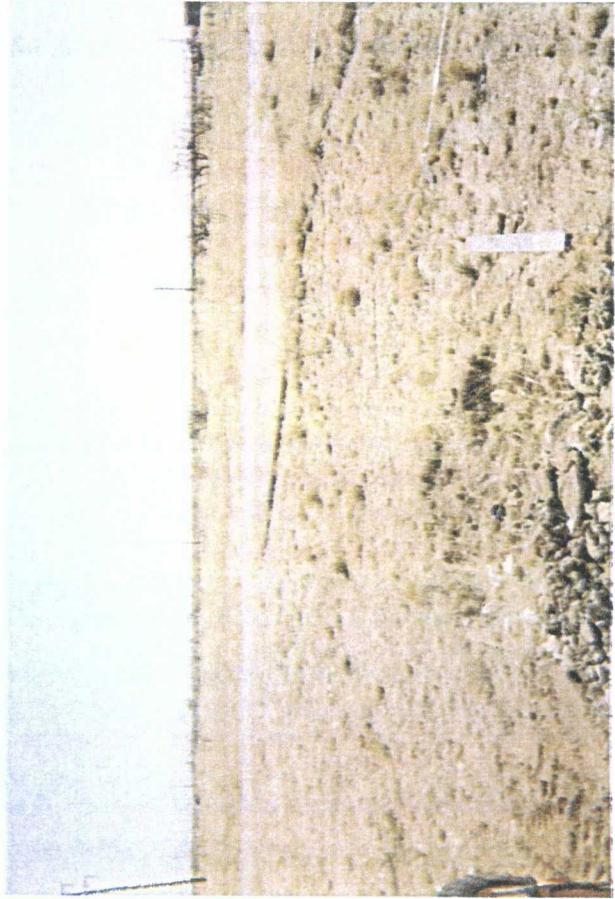
REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 4-1-10

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

Vacuum D-31 EOL

Unit D, Section 31, T17S, R35E



Site prior to excavation

2/18/2009



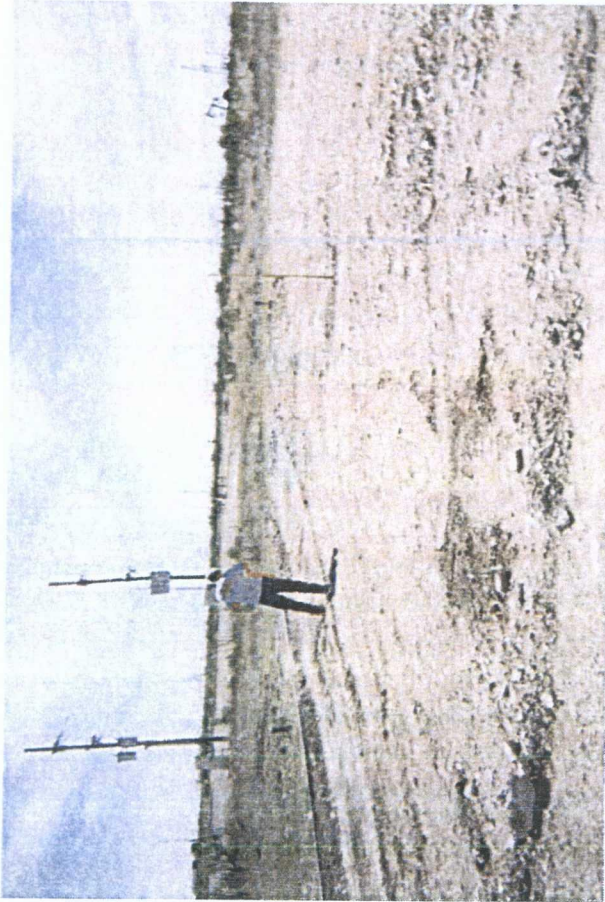
Delineation trench being excavated

3/25/2009



Compaction test

5/21/2009



Seeding excavation

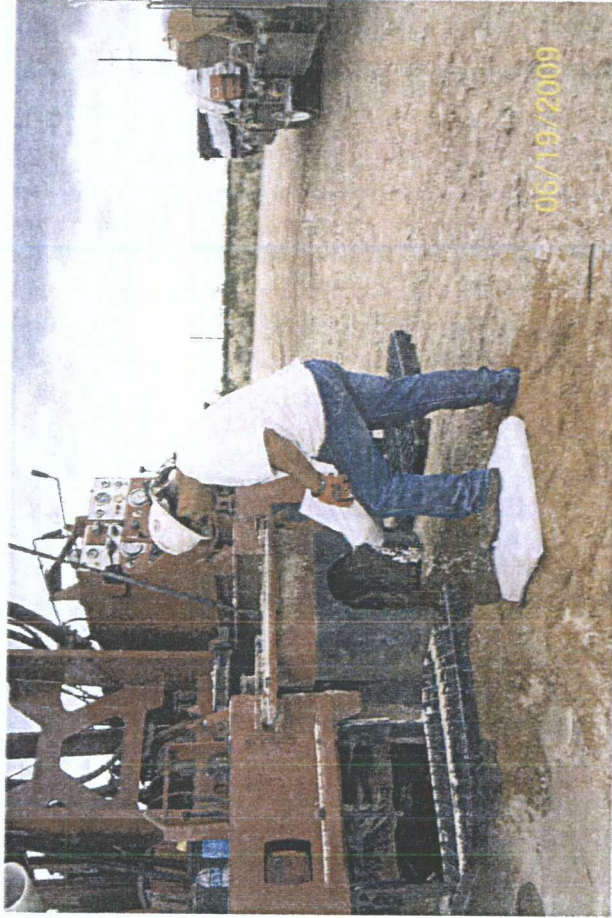
6/08/2009



Drilling Soil Bore #1

06/19/2009

6/19/2009



plugging Soil Bore #1 with bentonite

06/19/2009

6/19/2009

[illegible]



ARDINAL 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: 06/23/09
Reporting Date: 11/09/09**
Project Owner: NOT GIVEN
Project Name: VACUUM D-31 EOL**
Project Location: VACUUM D-31 EOL**

Sampling Date: 08/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)

ANALYSIS DATE		06/24/09	06/24/09	06/23/09
H17687-1	SB #1 @ 35'	<10.0	<10.0	1,500
H17687-2	SB #1 @ 80'	<10.0	<10.0	272
Quality Control		500	600	490
True Value QC		500	500	500
% Recovery		116	120	98.0
Relative Percent Difference		1.6	1.0	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI*: Std. Methods 4500-CI*B

*Analyses performed on 1:4 w/v aqueous extracts. Reported on wet weight.

**Revised Report

Chemist

Date

H17687 TCL RICE

PLEASE NOTE: Liability and Ownership: Cardinal's liability and client's exclusive remedy for any claim arising, whether known or later, shall be limited to the amount paid by client for 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 thirty (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 data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance or non-performance by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced, except in full with written approval of Cardinal Laboratories.

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: 590-000504

MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600

SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 08-3425	EXPIRATION DATE: 8-29-09
FILL DATE: 2-29-09	METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	jet D-31	D	31	T17 S	R 35E

SAMPLE ID: soil bore #1

DEPTH	PID
15'	0
20'	0

DEPTH	PID

DEPTH	PID

DEPTH	PID

DEPTH	PID

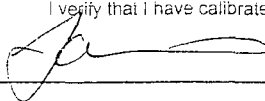
DEPTH	PID

DEPTH	PID

DEPTH	PID

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

Signature



Date

6-19-09

SITE MAP





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: 04/06/09
Reporting Date: 04/08/09
Project Number: NOT GIVEN
Project Name: VACUUM JCT D-31 EOL
Project Location: VACUUM JCT D-31 EOL

Sampling Date: 04/06/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/TR

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₆) (mg/kg)	CI* (mg/kg)
------------	-----------	--	--	----------------

ANALYSIS DATE		04/07/09	04/07/09	04/07/09
H17200-1	5PT BTM COMP	<10.0	<10.0	1,200
H17200-2	4 WALL COMP	<10.0	<10.0	672
Quality Control		547	542	500
True Value QC		500	500	500
% Recovery		109	108	100
Relative Percent Difference		3.5	3.5	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI B

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H17200 TCL RICE

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 client for 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 thirty (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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ARDINAL 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

Company Name: RICE OPERATING Project Manager: JORDAN WOODFIN Address: 122 W. TAYLOR ST. City: HUBBS State: NM Zip: 88240 Phone #: 505-917-1111 Fax #: 505-917-1111 Project #: _____ Project Owner: _____		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST																																										
Project Name: Vacuam Jet D-31 EOL Project Location: Vacuam Jet D-31 EOL Sampler Name: JORDAN WOODFIN		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th rowspan="2">PRESERV</th> <th rowspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>SLUDGE</th> <th>OTHER:</th> </tr> <tr> <td>H1720G1</td> <td>Spt Btm Comp</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4/10/05</td> <td>15:00</td> </tr> <tr> <td>-2</td> <td>Wall Comp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4/10/05</td> <td>15:00</td> </tr> </table>				Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX					PRESERV	SAMPLING	DATE	TIME	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	H1720G1	Spt Btm Comp	2								4/10/05	15:00	-2	Wall Comp	1								4/10/05	15:00
Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME																																		
			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:																																							
H1720G1	Spt Btm Comp	2								4/10/05	15:00																																			
-2	Wall Comp	1								4/10/05	15:00																																			
PLEASE NOTE: Utility and Damages. Cardholder's liability and client's exclusive remedy for any claim arising from the use of this service, shall be limited to the amount paid by the client for the service. In no event shall Cardholder be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries or affiliates or successors arising out of or related to the performance of services hereunder by Cardholder, regardless of whether such claim is based upon any of the above stated reasons or others.																																														
Relinquished By: Jordan Woodfin Date: 4/10/05 Time: 5:35		Received By: Wally Woodfin Date: _____ Time: _____		Relinquished By: _____ Date: _____ Time: _____																																										
Delivered By: (Circle One) Sampler / UPS - Bus - Other:		Sample Condition Cool / Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Checked By: Wally Woodfin Initials:																																										

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: 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
Vacuum	D-31 EOL	ID	-31	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
4 Wall Comp	0.5		
5pt Btm Comp	2.3		

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

SIGNATURE:

Jordan Wood

DATE: 4-6-09



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: 04/15/09
Reporting Date: 04/17/09
Project Number: NOT GIVEN
Project Name: VACUUM JCT D-31 EOL
Project Location: VACUUM JCT D-31 EOL

Sampling Date: 04/15/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₃) (mg/kg)	(mg/kg)

ANALYSIS DATE	04/17/09	04/17/09	04/16/09
H17243-1 BLENDED BACKFILL	<10.0	<10.0	720
Quality Control	538	538	500
True Value QC	500	500	500
% Recovery	108	108	100
Relative Percent Difference	13.9	10.5	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

*Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date

H17243 TOL RICE

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 client for 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 thirty (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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Page ____ of ____

[illegible]

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

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: 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
Vacuum	D-31 EOL	D	31	175	35E

SAMPLE ID	PID	SAMPLE ID	PID
Blended Backfill I	20		

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

SIGNATURE:

Jordan Wootch

DATE: 4-15-09



Analysis Date: 05/20/09
Sampling Date: 05/19/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H17457-1	BLENDED BACKFILL II	256
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods	4500-CIB
--------------------------	----------

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date _____

H17457 RICE

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 client for 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 thirty (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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

BILL TO										ANALYSIS REQUEST									
Company Name: <u>RICE OPERATING</u>																			
Project Manager: <u>JORDAN WOODFIN</u>																			
Address: <u>122. W. TAYLOR</u>																			
City: <u>HOBBS</u> State: <u>NM</u> Zip: <u>88240</u>																			
Phone #: <u>393-9174</u> Fax #: _____																			
Project #: _____ Project Owner: _____																			
Project Name: <u>Vacuum Jet D-31 EOL</u>																			
Project Location: <u>Vacuum Jet D-31 EOL</u>																			
Sampler Name: <u>JORDAN WOODFIN</u>																			
FOR LAB USE ONLY																			
Lab I.D. Sample I.D.																			
H17457-1 Bleached Backfill II																			
Matrix: GROUNDWATER, WASTEWATER, OIL, SLUDGE, OTHER: _____																			
# CONTAINERS: 1																			
(G)RAB OR (C)OMP: C																			
DATE: 5-14-07 TIME: 4:35																			
Relinquished By: <u>Jordan Woodfin</u>																			
Relinquished By: _____																			
Delivered By: (Circle One) <u>Sample</u> - UPS - Bus - Other: _____																			
Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>																			
Checked By: (Initials) <u>JW</u>																			
REMARKS: <u>ENVI Results to: BRAKER@RICESWD.COM CC SPURKS@RICESWD.COM JJ WOODFIN@RICESWD.COM</u>																			

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

RUSH!

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 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 : 083425	EXPIRATION DATE: 8-29-09
FILL DATE:2-29-08	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	D-31 EOL	D	31	17S	35E

[illegible]

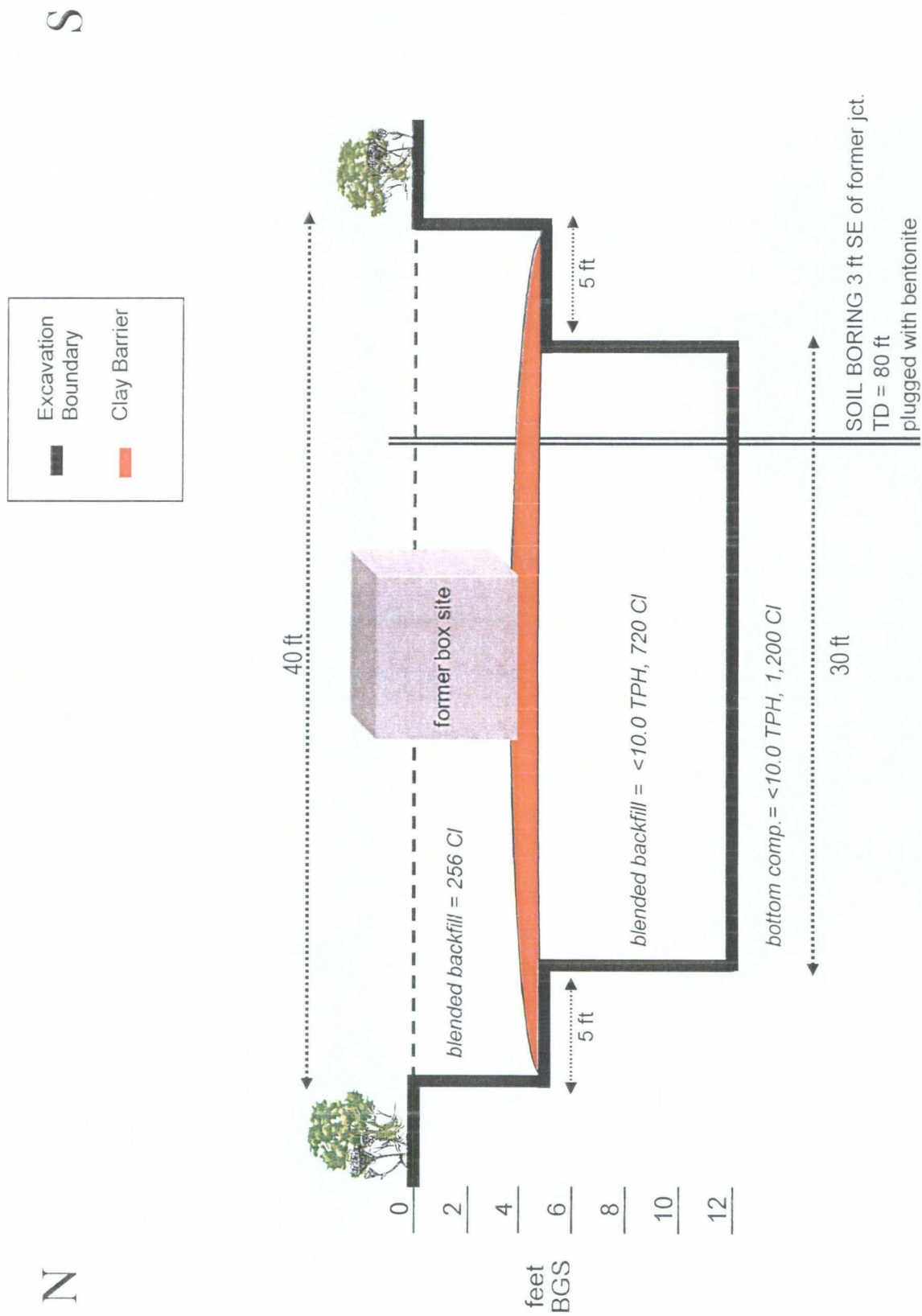
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE: _____

DATE: 5-19-09

Vacuum D-31 EOL
Unit 'D' Sec. 31, T17S, R35E

Excavation Cross-Section





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



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

To: Rice Operating Company
Attn: Hack Conder
122 W. Taylor
Hobbs, NM 88240

Material: Cooper Red Clay

Project: General Information
Project No. 2008.1069

Test Method: ASTM: D 2922

Date of Test: ~~April 16, 2009~~ typ
5/21/09 EK

Depth: See Below

Depth of Probe: 12"

Test No.	Location	Dry Density		Depth
		% Max	% Moisture	
SG 13	Vacuum Jct. D/31 EOL - 10' W. & 10' N. of SE Corner of Pit	90.7	16.9	5' Below Surface

COPY

Control Density: 100.4
ASTM: D 698

Optimum Moisture: 21.6%

Required Compaction: 90 - 95%

Densometer ID: 815

PETTIGREW & ASSOCIATES

Lab No.: 09 3200-3201

Copies To: Rice Operating

BY: Erica M Hart

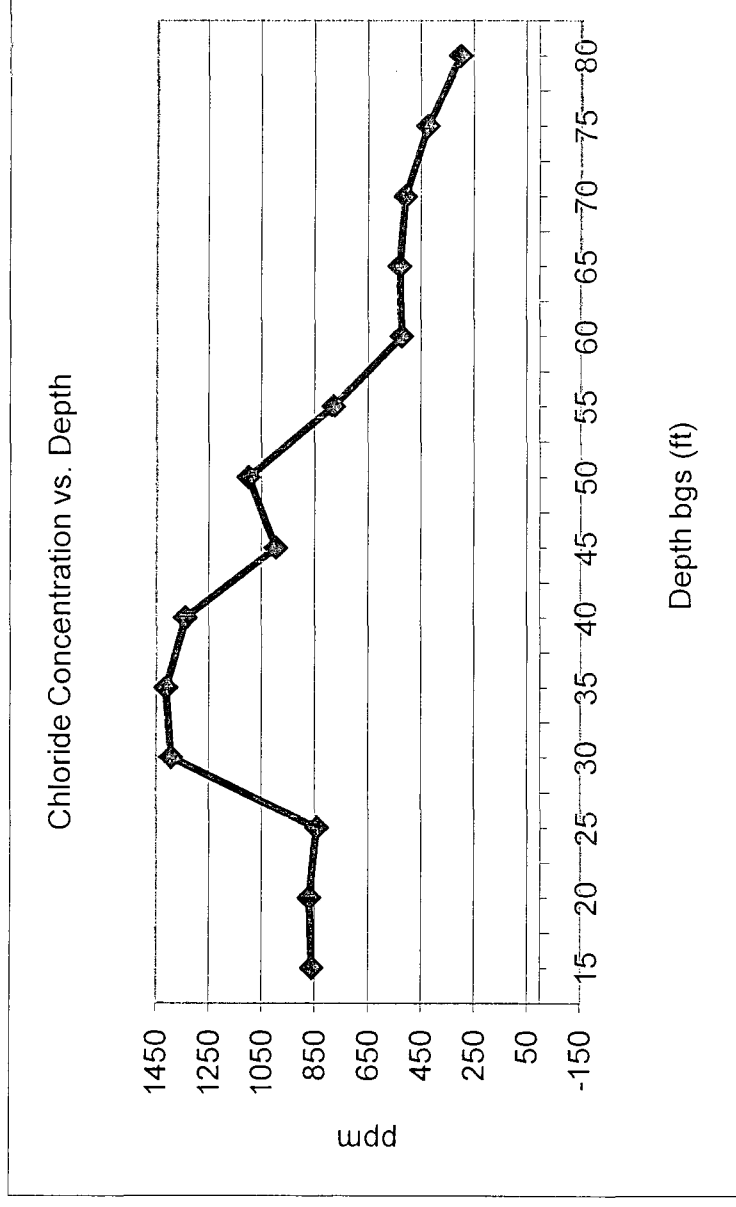
BY: C. J. [Signature] P.E.

Vacuum D-31 EOL

Unit 'D', Sec. 31, T17S, R35E

SOIL BORING samples at 3 ft southeast of the junction (source)

Depth bgs (ft)	Cl ppm
15	861
20	871
25	844
30	1393
35	1412
40	1338
45	997
50	1101
55	779
60	525
65	531
70	510
75	425
80	300



Groundwater = 117 ft