

1R - 426-136

**REPORTS**

**DATE:**

4-1-08

BD

L G Warlick EOL

1R426-136

# DISCLOSURE

4-1-08

RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
BD	L.G. Warlick EOL	A	19	21S	37E	Lea	Length	Width	Depth
							moved 45 ft South		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Joe Robin Sims OTHER \_\_\_\_\_

Depth to Groundwater 98 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 2/16/2007 Date Completed 4/17/2007 NMOCD Witness no

Soil Excavated 100 cubic yards Excavation Length 15 Width 15 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 2/22/07, 4/17/07 Sample Depth 12, 70 ft

5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	24.7	<10.0	217.0	560
BOTTOM COMP.	57.9	<10.0	319.0	1470
BACKFILL	34.1	<10.0	356.0	224
SOIL BORING @ 70 ft	XXX	XXX	XXX	1136

LOCATION	DEPTH (ft)	ppm
5 ft SOUTH of jct.	5	183
	6	238
	7	568
	8	352
	9	820
	10	882
	11	990
	12	1600
4-wall comp.	n/a	526
bottom comp.	12	1236
backfill comp.	n/a	351
SOIL BORING 5 ft SOUTH of jct.	15	1630
	20	1166
	25	1109
	30	1278
	37	1085
	40	1113
	45	1113
	50	1057
	55	966
	60	1175
	65	1298
	70	1186
	75	1121

General Description of Remedial Action:


This junction box site was addressed with the pipeline replacement program and a new, replacement box was built 45 ft south. Samples were collected at the former box site using a backhoe and chloride field tests and PID readings were performed on each of them. Although OCD TPH guidelines were met on the 15 x 15 x 12-ft excavation, chloride concentrations did not relent with depth, particularly 5 ft south of the junction. The excavated soil was blended on site and returned to the excavation to 6 ft BGS. At 6 ft the excavation walls were extended 5 ft laterally and a 20 x 20 x 1-ft-thick clay barrier was installed to inhibit further downward migration of chloride remaining. The remaining fill was placed on top of the clay and mounded to shed rainwater. The disturbed area was seeded with a blend of native vegetation on 3/6/07 and is expected to return to productive capacity at a normal rate. To further delineate the vertical extent of chloride, a soil boring was initiated 5 ft south of the former box on 4/17/07. The boring was advanced to a depth of 75 ft and soil samples indicated chloride was generally consistent. The borehole was plugged with bentonite clay and a identification plate was placed on the surface to mark the clay below and the location of the former box site for future environmental considerations. OCD was notified of potential groundwater impact at this site on 6/29/07.

ADDITIONAL EVALUATION IS LOW PRIORITY

enclosures: photos, lab results, PID field screenings, cross-section, chloride graph

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 Kristin Farris Pope SIGNATURE 

DATE 6/29/2007 TITLE Project Scientist

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



PHONE (325) 673-7001 - 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: ROY RASCON  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO: (505) 397-1471**

Receiving Date: 04/20/07  
Reporting Date: 04/20/07  
Project Number: NOT GIVEN  
Project Name: NOT GIVEN  
Project Location: BD WARLICK EOL

Analysis Date: 04/20/07  
Sampling Date: 04/17/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cr (mg/Kg)
H12488-1	SB #1 @ 70'	1136
Quality Control		480
True Value QC		500
% Recovery		96
Relative Percent Difference		2.1

METHOD: Standard Methods	4500-Cl'B
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**Note:** Analysis performed on a 1:4 w:v aqueous extract.

Chemist

Date \_\_\_\_\_

H12488

**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 analysis. 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 analysis. 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.

ARDINAL LABORATORIES, INC.

2111 Beachwood, Abilene, TX 79603 101 East Maryland, Hobbs, NM 88240  
(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (605) 393-2476

Page 10

ANALYSIS REQUEST									
<div> <div> Company Name: <b>Rice Operations Co.</b>  Project Manager: <b>BOB RICE</b>  Address: <b>125 W. TAYLOR</b>  City: <b>MOBILE</b>  State: <b>AL</b> Zip: <b>36684</b>  Phone #: <b>333-9111</b>  Fax #: <b>333-9111</b>  Project Owner: </div> <div> Project Name:  Project Location: <b>BD Warlick EOL</b>  Sample Name: <b>TG</b> </div> </div>									
<div> <div> F.O. #:  Company:  Attn:  Address:  City:  State:  Phone #:  Fax #:  </div> <div> DATE  TIME  </div> </div>									
<div> <div> Matrix: </div> <div> Preserv: </div> <div> Sampling: </div> </div>									
<div> <div> Lab I.D.: </div> <div> Sample I.D.: </div> </div>									
<div> <div> Date: <b>4-20-07</b>  Time: <b>1145</b> </div> <div> Date: Time: </div> </div>									
<div> <div> Sampler Rating/Status: </div> <div> Received By: </div> </div>									
<div> <div> Delivered By: (Circle One)  Sampler - UPS - Bus - Other: </div> <div> Checked By: </div> </div>									

Cardinal cannot accept verbal changes (0 (325) 672-7020.

15' x 15' x 1/2

# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

## PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input type="checkbox"/>	MODEL: PGM 761S	SERIAL NO: 104412
MODEL	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-12383
	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 05-2992	EXPIRATION DATE: 5-28-07
FILL DATE: 11-28-05	METER READING ACCURACY: 100.0

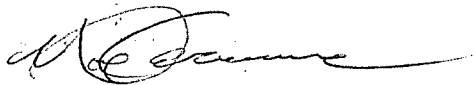
ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	WARLICK EOL	A	19	21S	37E

SAMPLE ID	PID	SAMPLE ID	PID
4-WALL COMP.	24.7		
5PT BTM COMP @12'	57.9		
BLENDED BACKFILL	34.1		

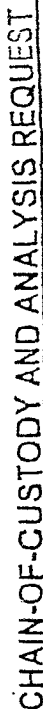
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:



DATE: 2-22-07





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Page \_\_\_\_\_ of \_\_\_\_\_

[illegible]

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# RICE Operating Company

122 West Taylor  
Hobbs, NM 88240  
Phone: (505) 393-9174  
Fax: (505) 397-1471

TO:

Hope

FROM:

Joe Purvis

FAX NUMBER:

393-2476

DATE:

6-25-07

COMPANY:

Cardinal Lab

TOTAL NO. OF PAGE INCLUDING COVER:

2

RE:

Lab Sample H12241-3

NOTES/COMMENTS:

As per our conversation:

On this chain of custody dated 2-23-07 the dimensions of the excavation was listed as 20' X 20' when it was actually 15' X 15'.

This is a request to have those dimensions amended to the correct size 15' X 15'.

Your help in this is greatly appreciated.

IF YOU DO NOT RECEIVE ALL PAGES INCLUDED, PLEASE CALL THE OFFICE PHONE NUMBER LISTED AT THE TOP OF THIS PAGE-THANK YOU

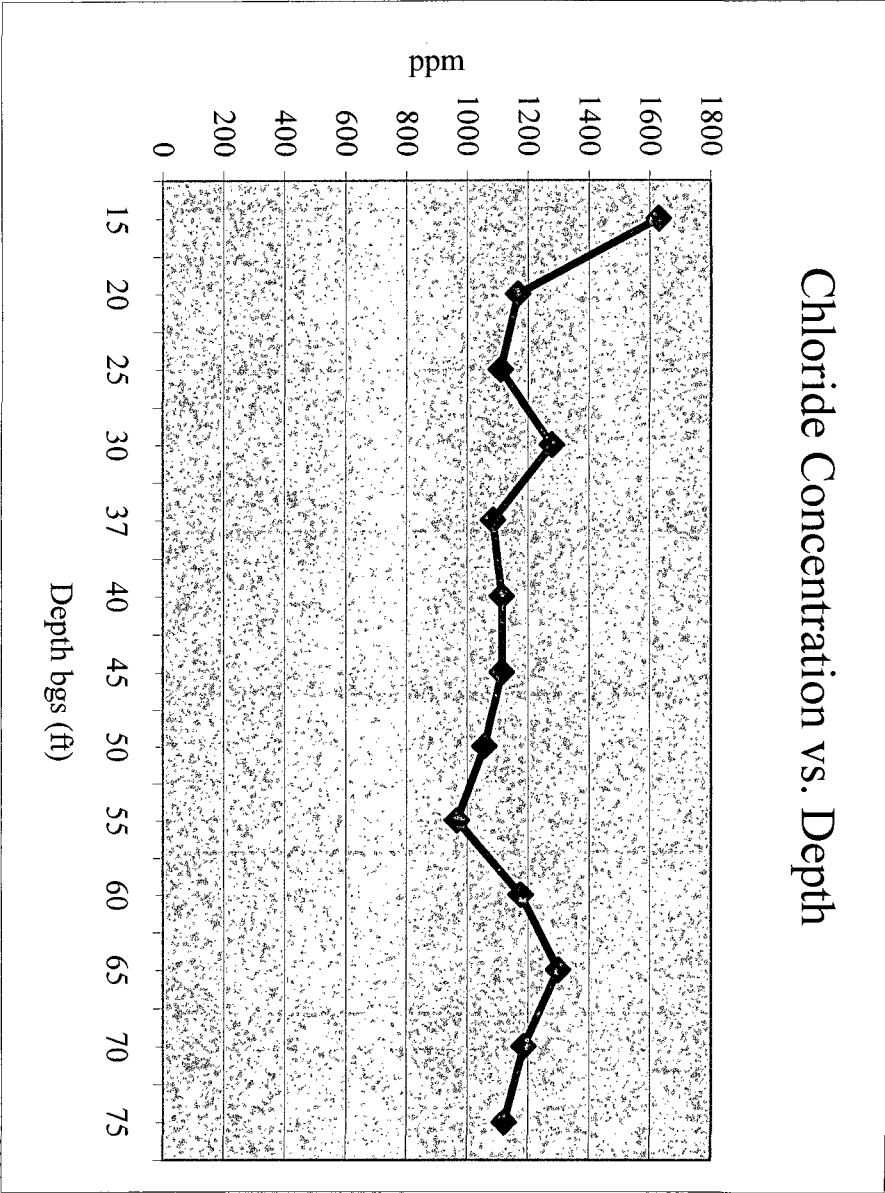
# BD L.G. Warlick EOL

unit 'A', Sec. 19, T21S, R37E

SOIL BORING 5 ft South of junction

Depth, bgs (ft)	Cl <sup>-</sup> , ppm
15	1630
20	1166
25	1109
30	1278
37	1085
40	1113
45	1113
50	1057
55	966
60	1175
65	1298
70	1186
75	1121

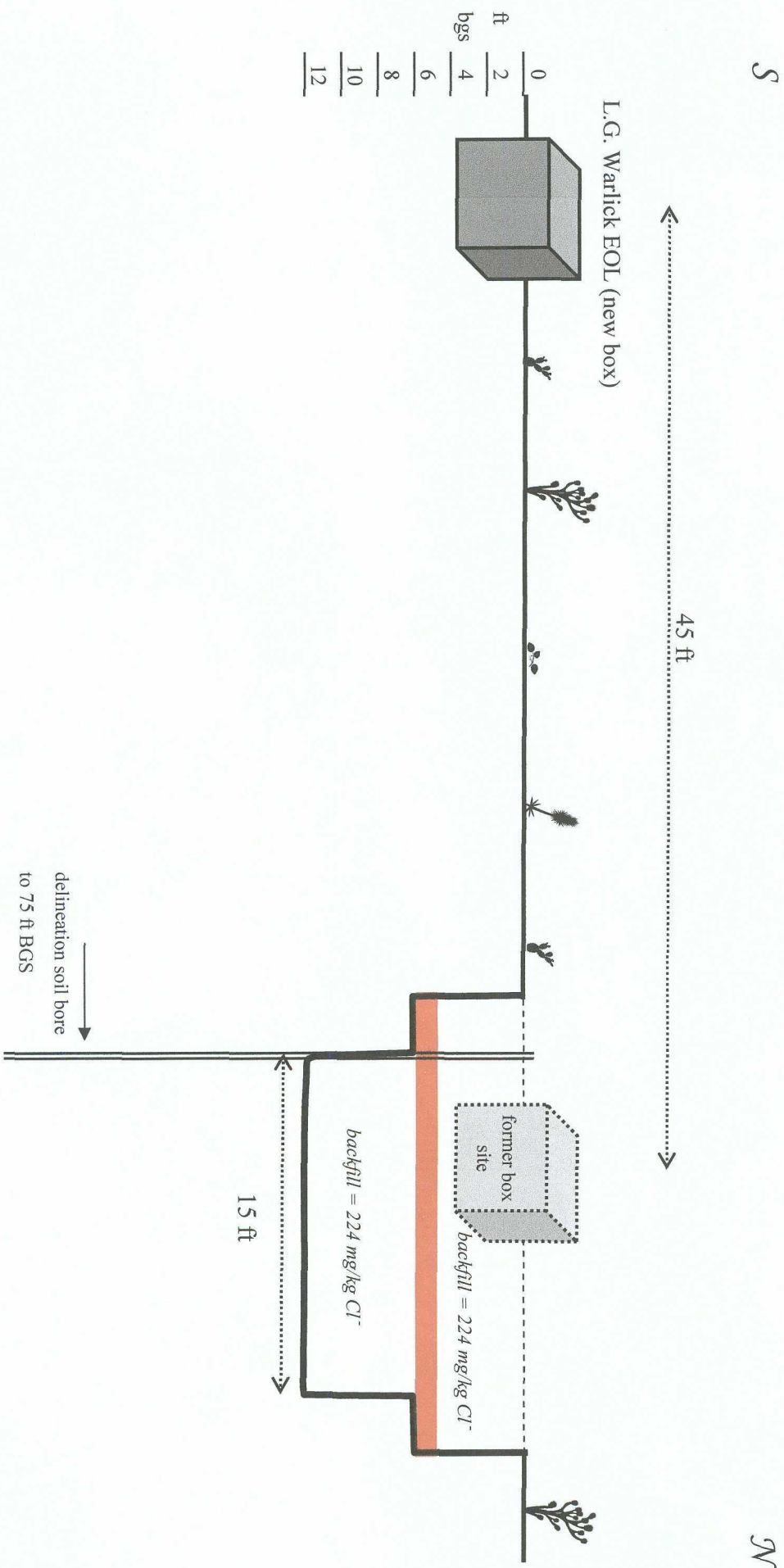
Groundwater = 98 ft



# BD L.G. Warlick EOL

Unit 'A', Sec. 19, T21S, R37E

Excavation Cross-Section





beginning delineation at former box site

2/16/2007

## BD L.G. Warlick EOL

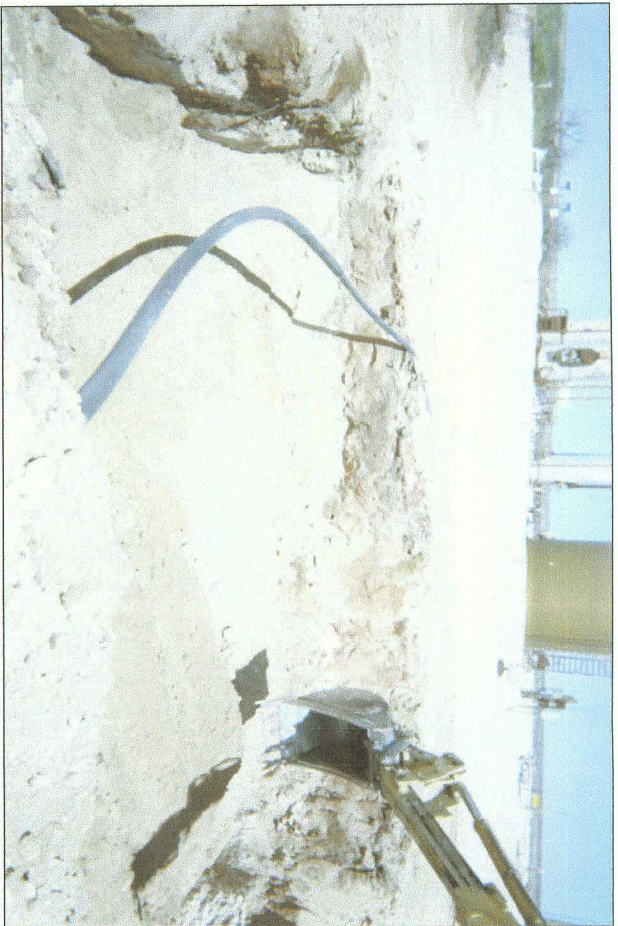
Unit 'A', Section 19, T21S, R37E



15 x 15 x 12-ft-deep excavation (view of bottom) 2/22/2007



clay in excavation backfilled to 6 ft; ready for barrier installation



backfilling on top of clay barrier

3/2/2007



seeding disturbed surface of backfilled site

3/6/2007



clay identification plate on surface of backfilled site

3/6/2007



soil boring 5 ft south of former box site

4/17/2007