1R - 425-38

REPORTS

DATE:

3-31-08

Vac Jct M-5

IR425-38

DISCLOSURE

3-31-08

RICE OPERATING COMPANY
JUNCTION BOX **DISCLOSURE*** REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	jct. M-5	M	5	18S	35E	Lea	no box--System Abandonment		

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

Depth to Groundwater 77 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/14/2005 Date Completed 2/23/2007 NMOCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 2/21/2007 **Sample Depth** 12 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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	1.5	<10.0	251.0	1200
BOTTOM COMP.	35.1	<10.0	918.0	1184
BACKFILL	3.1	<10.0	<10.0	592

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
5 ft EAST of former junction box site	5	1882
	6	1285
	7	1745
	8	594
	9	1367
	10	1072
	11	1170
	12	815
	13	2099
	14	1360
	15	896
	16	800
	17	935
	18	1519
	19	1143
	20	1175
4-wall comp.	n/a	921
bottom comp.	12	1039
backfill comp.	n/a	573

General Description of Remedial Action:

This junction box site was addressed as part of the Vacuum SWD System abandonment. After the box lumber was removed, the site was delineated by collecting soil samples at regular intervals using a backhoe to produce a 30 x 30 x 12-ft-deep excavation. Chloride field tests revealed concentrations that were generally consistent laterally and vertically. Organic vapors were tested in the field using a photo-ionization detector. Composite samples were collected for laboratory analysis to confirm field results; TPH concentrations meet OCD guidelines. The excavated soil was blended on site and t backfilled into the hole to 6 ft BGS. At 6 ft, a clay barrier was installed to inhibit infiltration of remaining chloride. The remaining spoils were backfilled on top of the clay and contoured to the surrounding surface. The disturbed surface was seeded with a blend of native vegetation a is expected to return to productive capacity at a normal rate. An identification plate has been placed on the surface of the site to mark the presence of clay below and also the former junction s for future environmental considerations. OCD was notified of potential groundwater impact at this site on 8/15/2007.

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

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

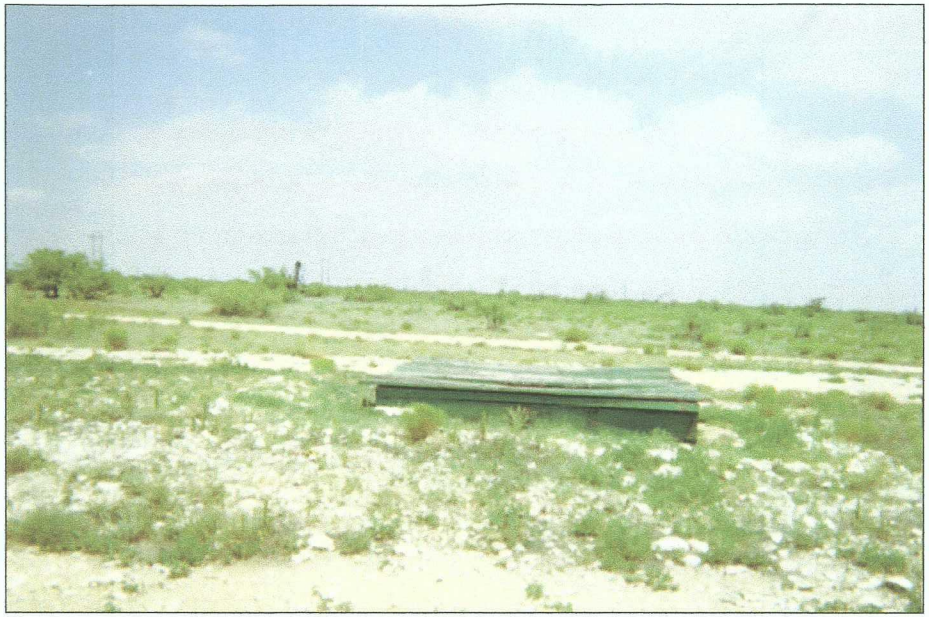
SITE SUPERVISOR Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 8/17/2007 TITLE Project Scientist

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

Vacuum jct. M-5



undisturbed junction box 7/12/2005

preparing for initial trackhoe delineation trench 9/14/2005

delineation & excavation with backhoe 2/20/2007

final 30 x 30 x 12-ft-deep excavation 2/21/2007

installing clay barrier at 6 ft 2/23/2007

backfilling excavation 2/23/2007

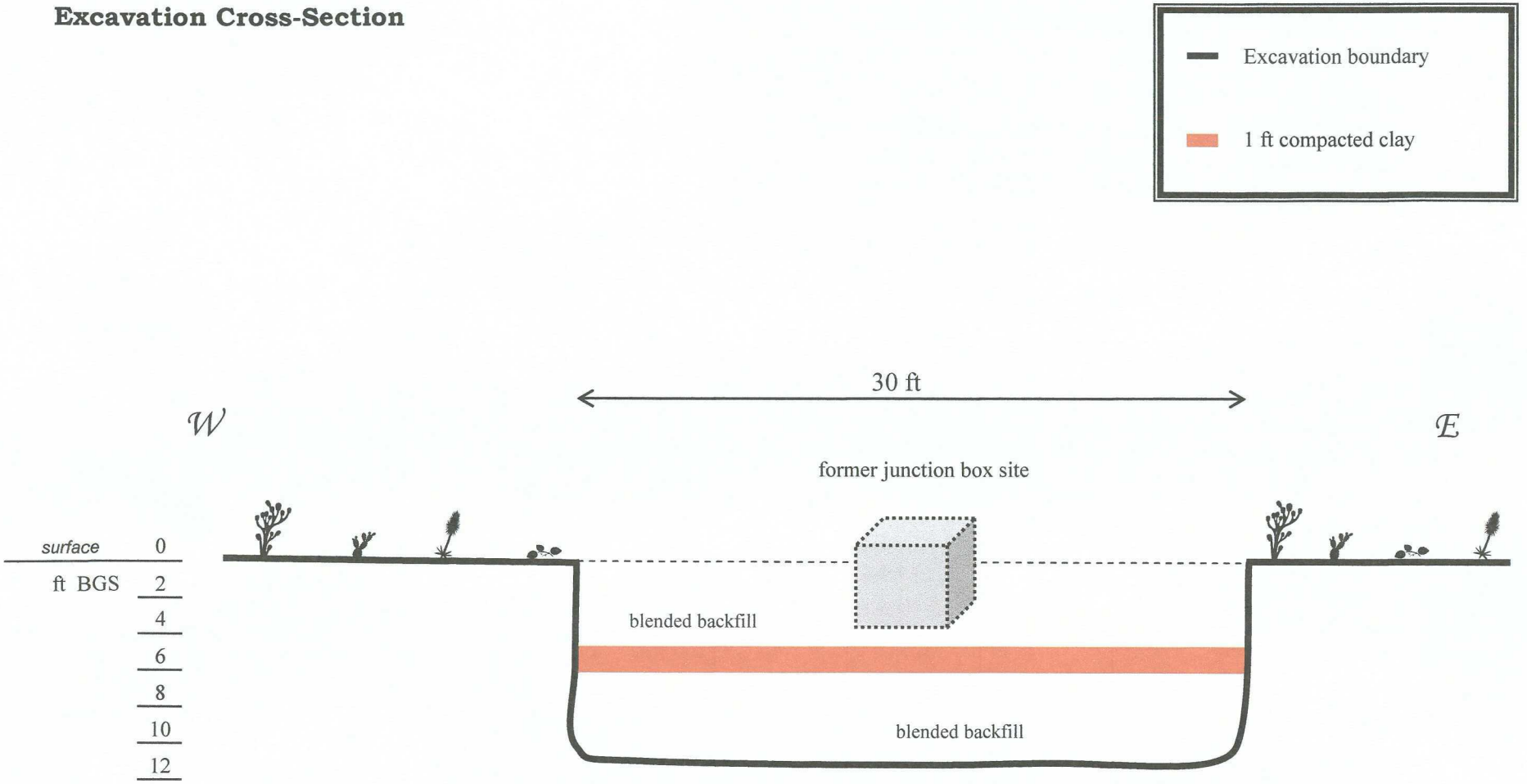
seeding disturbed area of backfilled site 3/23/2007

identification plate at backfilled site marking clay barrier below and former junction box 3/26/2007

Vacuum jct. M-5

30 x 30 x 12-ft-deep

Excavation Cross-Section



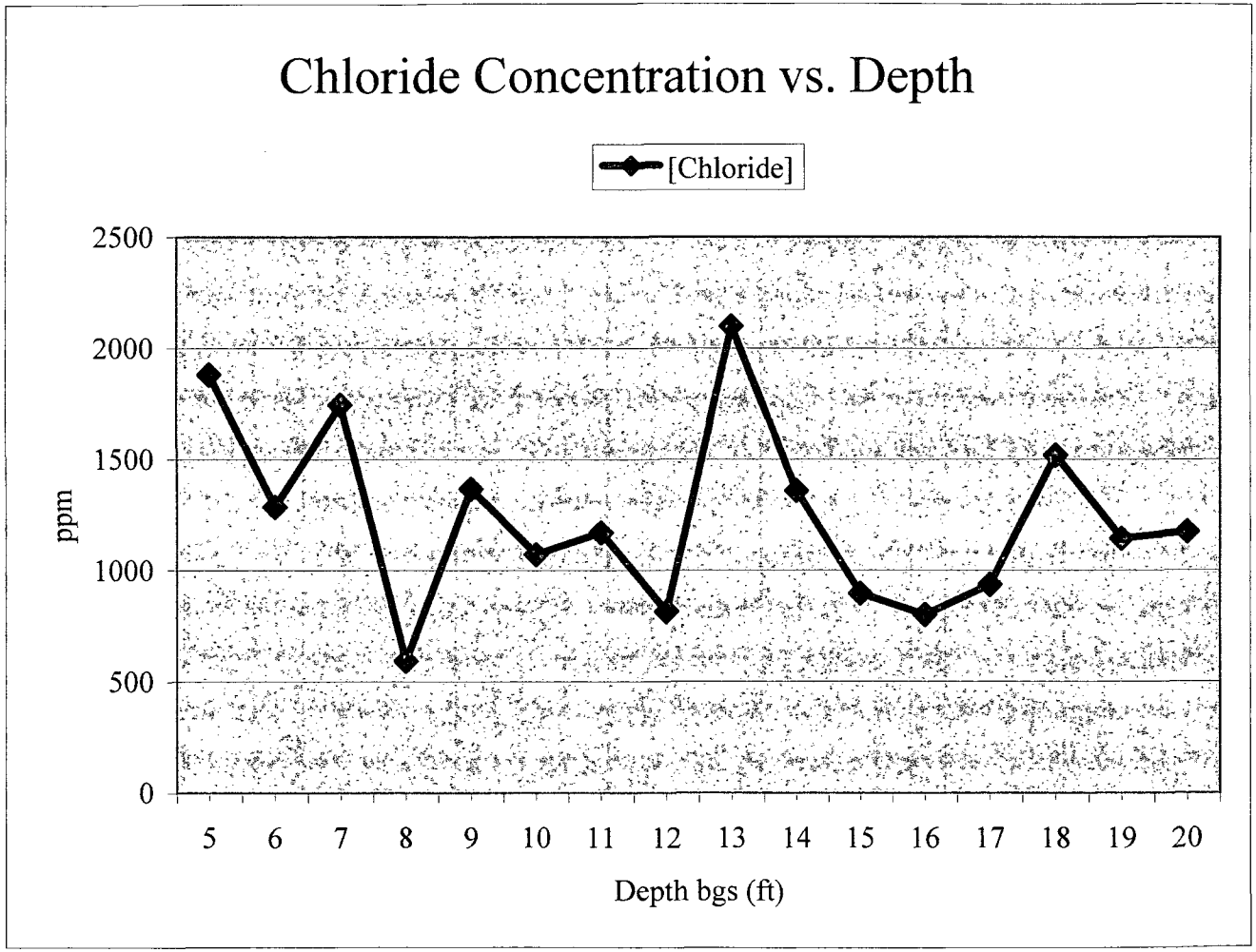
Vacuum jct. M-5

unit 'M', Sec. 5, T18S, R35E

5 ft East of former junction

Depth bgs (ft)	[Cl⁻] ppm
5	1882
6	1285
7	1745
8	594
9	1367
10	1072
11	1170
12	815
13	2099
14	1360
15	896
16	800
17	935
18	1519
19	1143
20	1175

Groundwater = 77 ft



CARDINAL LABORATORIES

PHONE (915) 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 R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 02/21/07
Reporting Date: 02/22/07
Project Number: NOT GIVEN
Project Name: JCT. M5 VACUUM S.W.D.
Project Location: NOT GIVEN

Sampling Date: 02/21/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC/HM

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		02/21/07	02/21/07	02/22/07
H12228-1	BLENDED BACKFILL	<10.0	<10.0	592
H12228-2	4 WALL COMPOSITE	<10.0	251	1200
H12228-3	5PT. BOTTOM COMPOSITE	<10.0	918	1184
Quality Control		798	794	490
True Value QC		800	800	500
% Recovery		99.8	99.2	98.0
Relative Percent Difference		0.1	3.1	2.0

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

Burgess J. A. Cooley
Chemist

2/22/07
Date

H12228

CARDINAL LABORATORIES, INC.

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H12228

Page ____ of ____

Company Name:	Rice Operating Co.	BILL TO	
Project Manager:	Ror R. Rascon	P.O. #:	
Address:	122 W. Taylor	Company:	
City:	Hobbs NM	State: NM Zip: 88240	Attn:
Phone #:	393-9174	Fax #: 397-1471	Address:
Project #:		Project Owner:	City:
Project Name:	JCT. M5 Vacuum S.WD		State: Zip:
Project Location:			Phone #:
Sampler Name:			Fax #:

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	8015 nm TPH
H12228-1	Blended Backfilled	C	1			✓					✓		2-21-07	10:45 AM	✓	✓
-2	4 wall Composit	C	1			✓					✓		2-21-07	2:30 PM	✓	✓
-3	~~3 Backfill Blend~~ DM	C	1			✓					✓		2-21-07	2:30 PM	✓	✓
	Spt. Bottom Composit															

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.

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: Darrell Mitchell	Date: 2/21/07 Time: 1630	Received By:	Phone Result: ☐ Yes ☐ No
Relinquished By:	Date: Time:	Received By: (Lab Staff)	Fax Result: ☐ Yes ☐ No REMARKS: E mail TO Ror Rascone
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Temp, °C: Cool Intact? ☒ Yes ☐ No	Checked By: (Initials)	

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

RICE OPERATING COMPANY

122 West Tayor Hobbs, NM 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM

CK. MODEL NO.			
	X	MODEL: PGM 761S	SERIAL NO: 104412
		MODEL: PGM 7600	SERIAL NO: 110-013744
		MODEL: PGM 7600	SERIAL NO: 110-12383
		MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 06-3079	EXPIRATION DATE: 12-16-07
FILL DATE: 6-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	M-5	M	5	18S	35E

SAMPLE ID	PID	SAMPLE ID	PID
Bttm 5pt comp 1	0.6		
2	1.4		
3	1.8		
4	5.9		
5	4.9		
Bttm 5pt comp	35.1		
4 wall comp @ 30 x 30	1.5		
Blended Backfill	3.1		

I verify that I have calibrated the above insrument in accordance to the namufacture operation manual.

SIGNATUE: Darnell Mitchell DATE: 2-21-07