1R - 427-283

REPORTS

DATE:

7-16-08

48

EME Jct P-27

1R427-283

Disclosure

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. P-27	P	27	19S	36E	Lea	eliminated		

Amos Person Est. %

LAND TYPE: BLM ___ STATE ___ FEE LANDOWNER Jimmie T. Cooper OTHER ___

Depth to Groundwater 28 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40*

Date Started 12/12/2007 Date Completed 1/4/2008 OCD Witness no

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 48 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS:

Sample Date 12/26/2007 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.	1.4	<10.0	<10.0	912
BOTTOM COMP.	10.7	<10.0	<10.0	1020
BACKFILL	0.0	<10.0	<10.0	608

General Description of Remedial Action: This junction was eliminated as part of 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 30x30x12-ft-deep hole. Each soil sample was field tested for chloride and organic vapors. PID screenings resulted in low concentrations (<100 ppm), but chloride concentrations generally increased with depth. Composite samples were collected from the excavation floor and walls for analysis. The excavated soil was blended on site and returned to the excavation up to 6 ft below ground surface. A 6-ft-deep shelf was excavated extending 5 ft out from the north, south, and east walls. At 6-5 ft BGS, a 1-ft-thick clay barrier was installed. The site was then backfilled with blended soil and topped with clean, imported soil and contoured to the surrounding area. An identificaton plate was placed on the surface at the former junction site to mark the presence of the clay below. On 1/08/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 7/16/2008.

**One active and one inactive water well is located within 1000 ft. southwest of this site.*

Additional Evaluation is HIGH Priority

enclosures: photos, lab results, cross section, PID screenings, chloride graph, clay test

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	682
bottom comp.	12'	745
backfill comp.	n/a	538
vertical delineation trench at the former junction site	3'	184
	4'	264
	5'	563
	6'	636
	7'	737
	8'	714
	9'	708
	10'	801
	11'	934
	12'	914

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

REPORT ASSEMBLED BY Katie Jones INITIAL KJ COMPANY RICE OPERATING COMPANY

SITE SUPERVISOR Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr.

DATE 7-16-08 TITLE PROJECT LEADER

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

EME Jct. P-27

Unit P, Section 27, T19S, R36E

clay layer compaction test 1/04/2008

backfilling excavation site, facing southwest 1/04/2008

seeding backfilled site, facing southwest 1/08/2008

clay marker 1/08/2008

EME Jct. P-27

Unit P, Section 27, T19S, R36E

vertical being excavated, facing southwest 12/12/2007

soil sample being taken 15' west, facing southwest 12/26/2007

shelf being excavated on north wall, facing northeast 12/31/2007

clay layer installation, facing southeast 1/04/2008

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: BRUCE BAKER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 12/26/07
Reporting Date: 12/31/07
Project Number: NOT GIVEN
Project Name: EME JCT. P-27
Project Location: EME JCT. P-27

Sampling Date: 12/26/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{12}) (mg/kg)	DRO (>C_{12}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		12/27/07	12/27/07	12/27/07
H13985-1	5PT. BTTM. COMP. @ 12'	<10.0	<10.0	1020
H13985-2	4 WALL COMP. 30X30	<10.0	<10.0	912
H13985-3	BLENDED BACKFILL	<10.0	<10.0	608
Quality Control		492	464	500
True Value QC		500	500	500
% Recovery		98.4	92.8	100
Relative Percent Difference		17.8	0.9	<0.1

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

RECEIVED
JAN 07 2008
HOBBS

Chemist

12/31/07
Date

H13985TCL Rice

CARDINAL LABORATORIES

COPY

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 Co.	**BILL TO**	
Project Manager:	Bruce Baker	P.O. #:	
Address:	122 W. Taylor	Company:	
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	393-9174 Fax #: 397-1471	Address:	
Project #:	Project Owner:	City:	
Project Name:	EME Jct P-27	State: Zip:	
Project Location:	EME Jct. P-27	Phone #:	
Sampler Name:	Bruce Baker	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
H13985-1	Spt Bttm Comp @12'	C	1			✓					✓		12-26-07	11:36am	✓	✓
-2	4 Wall Comp 30 x 30	C	1			✓					✓		12-26-07	1:32pm	✓	✓
-3	Blended Backfill	C	1			✓					✓		12-26-07	2:03pm	✓	✓

Relinquished By: Bruce Baker	Date: 12-26-07 Time: 4:50	Received By: Misty LeBeau	
Relinquished By:	Date: Time:	Received By:	

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

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☒ Yes	☒ Yes	MCB
☐ No	☐ No	

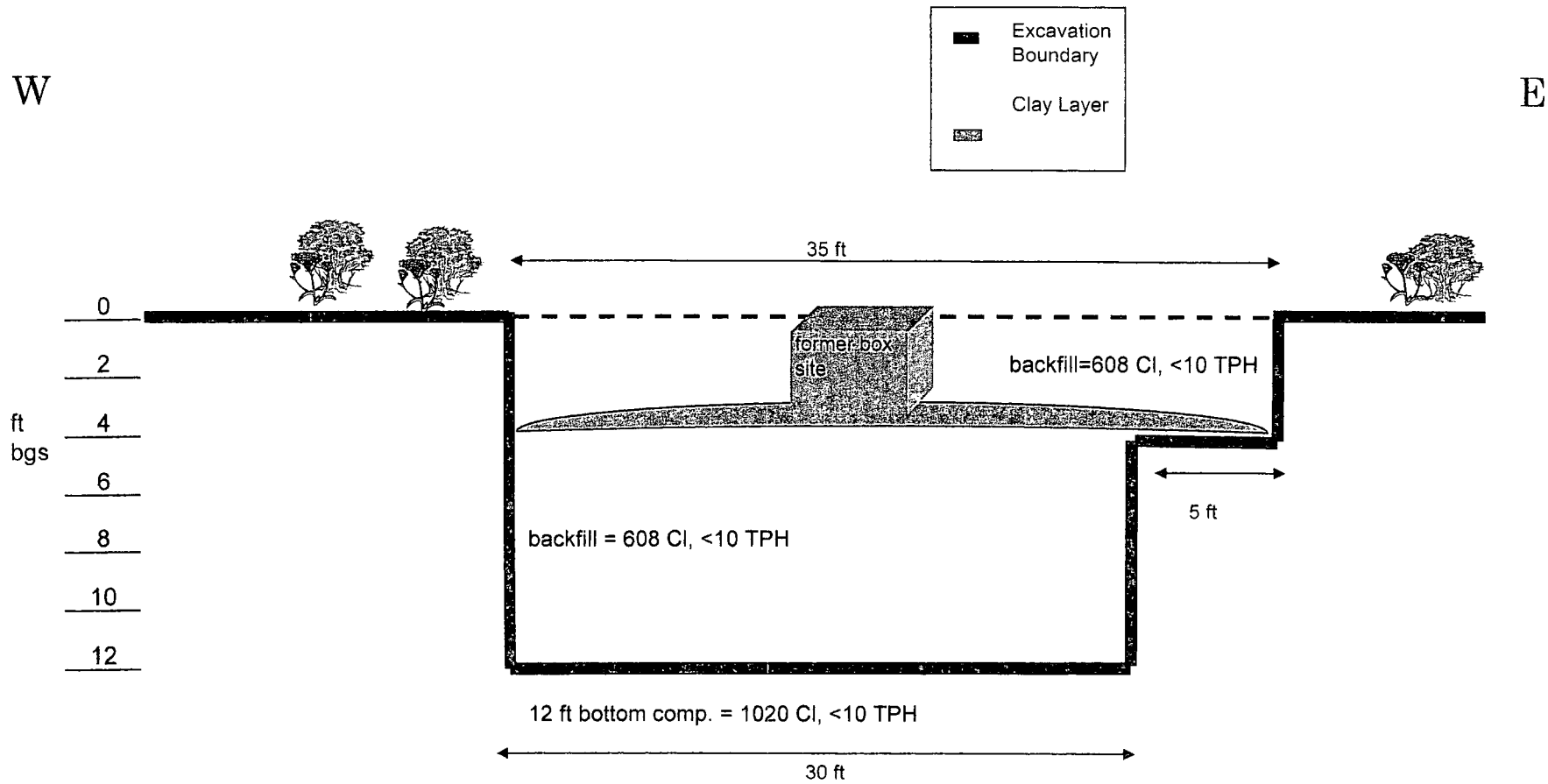
Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:

REMARKS:
Email results to bbaker@ricesud.com
cc $ to jpurvis@ricesud.com

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

EME Jct. P-27

Unit P, Section 27, T19S, R36E



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.	

MODEL: PGM 7600 SERIAL NO: 110-013676
MODEL: PGM 7600 SERIAL NO: 110-013744
MODEL: PGM 7600 SERIAL NO: 110-12383
MODEL: PGM 7600 SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 4/12/09
FILL DATE: 10/12/07	METER READING ACCURACY: 100 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	Jct. P-27	P	27	19S	36E

SAMPLE ID	PID	SAMPLE ID	PID
Spt. Bttm Comp @ 12'	10.7		
4 Wall Comp. @ 30x30	1.4		
Blended Backfill	0		

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

SIGNATUE: Bruce Baker DATE: 12-26-07

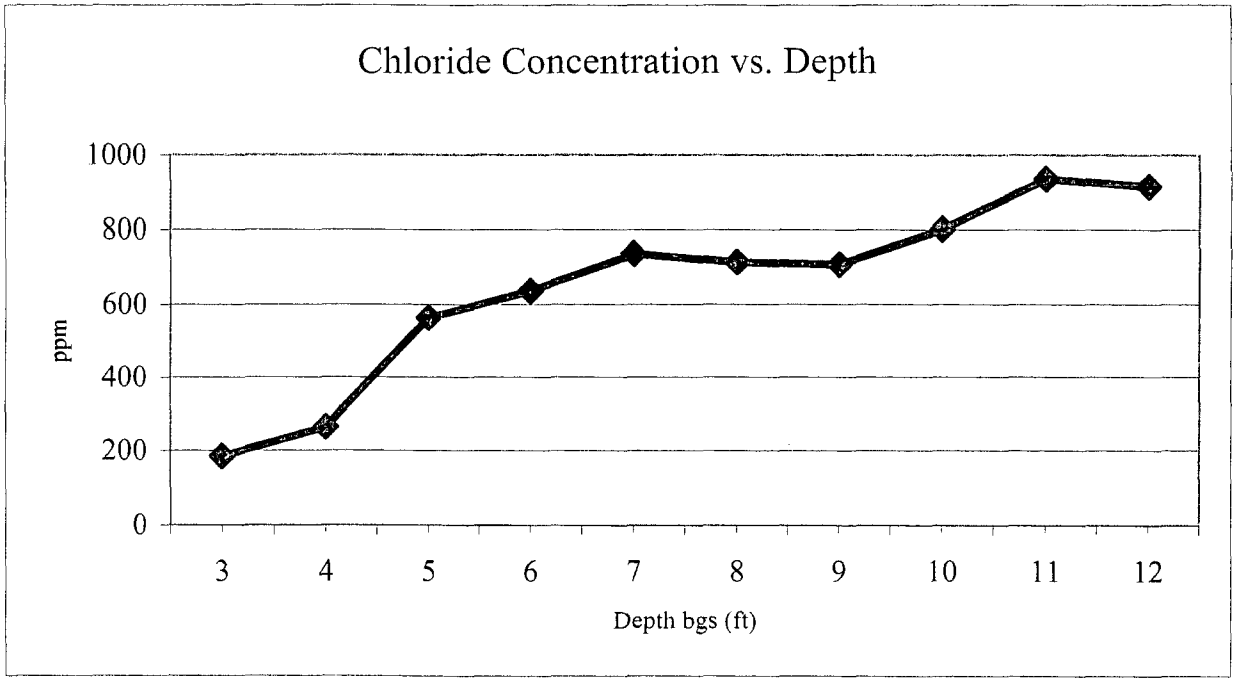
EME Jct. P-27

unit 'P', Sec. 27, T19S, R36E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl⁻] ppm
3	184
4	264
5	563
6	636
7	737
8	714
9	708
10	801
11	934
12	914

Groundwater = 28 ft



LABORATORY TEST REPORT

PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18
DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

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

Material: Red Clay

COPY

Test Method: ASTM: D 2922

Project: General Information
Project No. 2007.1007

Date of Test: January 4, 2008

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 16	EME Jct. P-27 - 20' W. of Electrical Pole	95.5	17.4	5' Below FSG

JAN 22 2008

Control Density: 104.4
ASTM: D 698

Optimum Moisture: 20.3%

Required Compaction: 90%

Densometer ID: 5357

PETTIGREW & ASSOCIATES

Lab No.: 08 1067-1068

Copies To: Rice Operating

BY: Erica M. Hart

BY: _____ P.E.