

1R - 426-209

REPORTS

DATE:

1-20-09

BD Jet A-1-1

1R426-209

RECEIVED
MAR 25 2009
Environmental Bureau
Oil Conservation Division

DISCLOSURE

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length 9'	Width 7'	Depth 6'
Blinebry-Drinkard (BD)	Jct. A-1-1	A	1	22S	36E	Lea	eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Nymeyer Property OTHER _____

Depth to Groundwater 137 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 12/4/2007 Date Completed 5/1/2008 OCD Witness no

Soil Excavated 389 cubic yards Excavation Length 35 Width 25 Depth 12 feet

Soil Disposed 108 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 12/19/2007, 4/30/2008 Sample Depth 12 ft, 120 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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	2,511
BOTTOM COMP.	0.4	<10.0	<10.0	1,584
BACKFILL COMP.	0.0	<10.0	19.6	1,855
SOIL BORING #1 25 ft grab				1,900
SOIL BORING #1 120 ft grab				288

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	1,530
bottom comp.	12'	1,130
backfill comp.	n/a	1,600
background	6"	140
SOIL BORING #1 at the former junction (source) 4/30/2008	15'	1,299
	20'	2,195
	25'	2,089
	30'	1,026
	35'	731
	40'	834
	45'	1,136
	50'	1,303
	55'	1,212
	60'	1,530
	65'	1,357
	70'	1,311
	75'	1,003
	80'	804
	85'	900
	90'	631
95'	762	
100'	997	
105'	600	
110'	403	
115'	339	
120'	364	

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 35x25x12-ft-deep excavation. Chloride field tests performed on each sample yielded elevated concentrations that did not relent with depth. Organic vapors were measured using a PID, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed elevated chloride concentrations. The excavated soil was blended on site with clean imported soil and returned to the excavation up to 5 ft below ground surface (BGS). At 5-4 ft BGS, a 1-ft thick clay barrier was installed with a clay density tests performed on 12/27/2007. The remaining fill was returned to the excavation and clean, imported blow sand was used to top cap the site and to contour to the surrounding area. On 12/31/2007, 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, two soil borings were initiated on 4/30/2008 and 5/1/2008 to a depth of 120 ft BGS for SB #1 and 40 ft BGS for SB #2. Soil samples were collected every 5 ft and tested for chlorides. The deepest sample and the highest chloride concentration from field tests were analyzed by a commercial laboratory for chlorides. Each borehole was plugged with bentonite to the ground surface. NMOCD was notified of potential groundwater impact on 1/7/2009.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID field screenings, cross-section, clay test, boring log

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 1-20-09

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



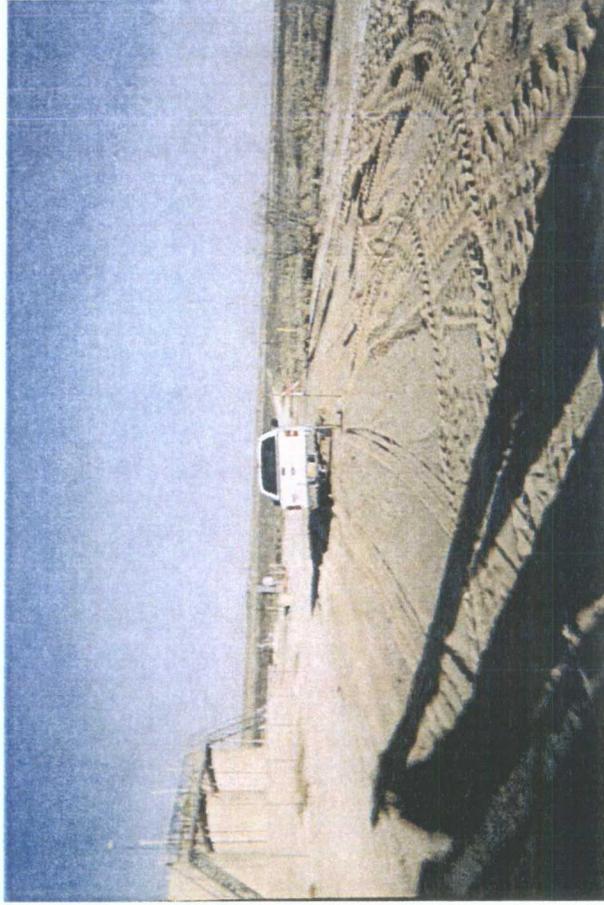
clay density test, facing north

12/27/2007



seeding backfilled site, facing south

12/31/2007



site complete with clay marker, facing east

12/31/2007



soil boring at the former junction box

4/30/2007



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

COPY

Receiving Date: 12/20/07
 Reporting Date: 12/21/07
 Project Number: NOT GIVEN
 Project Name: BD JCT A-1-1
 Project Location: NOT GIVEN

Sampling Date: 12/19/07
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: KS
 Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₂) (mg/kg)	DRO (>C ₁₂ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		12/20/07	12/20/07	12/21/07
H13956-1	5PT. BTTM. COMP. @ 12' BGS	<10.0	<10.0	1584
H13956-2	4 WALL COMP. @ 35X25	<10.0	<10.0	2511
H13956-3	5PT BLENDED BACKFILL	<10.0	19.6	1855
Quality Control		519	495	500
True Value QC		500	500	500
% Recovery		104	99.0	100
Relative Percent Difference		5.6	18.7	<0.1

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

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

DEC 26 2007

Alex D. Keene
 Chemist

12/21/07
 Date

H13956TCL Rice



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Rice Operating Company

Project Manager: Kristin Pope

Address: 122 West Taylor

City: Hobbs

State: NM Zip: 88240

Phone #: 393-9174

Fax #: 397-1471

Project #:

Project Owner:

Project Name: BD Jct. A-1-1

Project Location: BD Jct. A-1-1

Sampler Name: Lara Weinheimer

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

COPY

Chlorides

FOR LAB USE ONLY

Sample I.D.

Chlorides

Chlorides</

RICE OPERATING COMPANY

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

COPY

CK.	
MODEL	X
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-012383
MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 4-4-09
FILL DATE: 10-4-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	A-1-1	A	1	22S	36E

SAMPLE ID	PID	SAMPLE ID	PID
N WALL COMP	0.8		
S WALL COMP	0.2		
E WALL COMP	0.3		
W WALL COMP	0		
5 PT BOTTOM COMP @ 12'BGS	0.4		
4 WALL COMP @ 35' X 25'	0		
BLENDED BACKFILL COMP 5PT COMP	0		

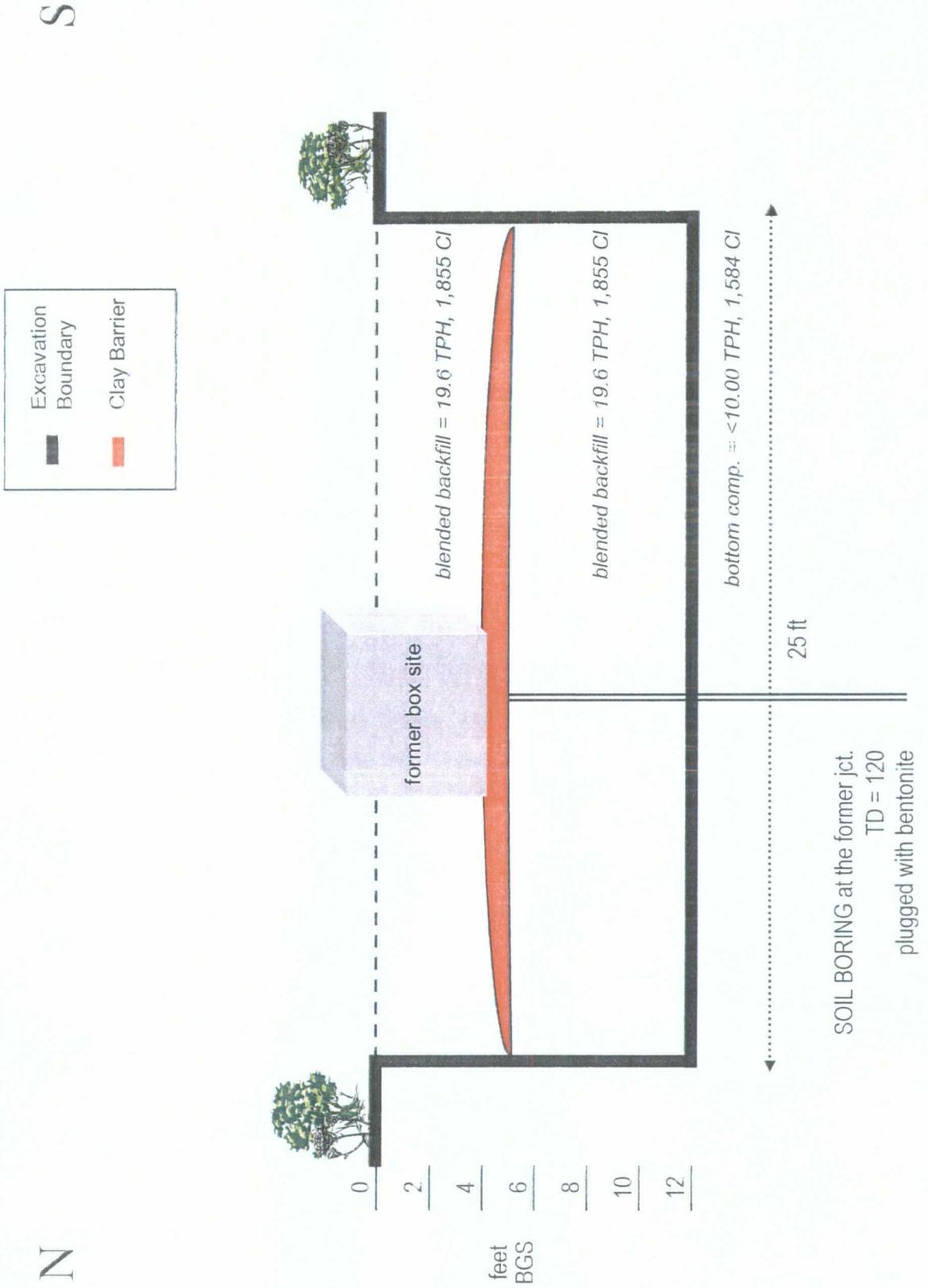
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

DATE: 12-19-07

BD Jct. A-1-1
 Unit 'A', Sec. 1, T22S, R36E

Excavation Cross-Section





LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
 1110 N. GRIMES
 HOBBS, NM 88240
 (505) 393-9627



DEBRA P. WILKS, P.E., P.E.
 WILLIAM M. DAVIS, III, P.E., P.E.

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

Material: Red Clay

Test Method: ASTM: D 2922

Project: General Information
 Project No. 2007.1007

COPY

Date of Test: December 27, 2007

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density		Depth
		% Max	% Moisture	
SG 15	BD Jct. A1-1 Center of 35' x 25' Hole	95.2	19.1	FSG

Control Density: 104.4
 ASTM: D 695

Optimum Moisture: 20.3%

Required Compaction: 90%

Densometer ID: 815
 PETTIGREW & ASSOCIATES

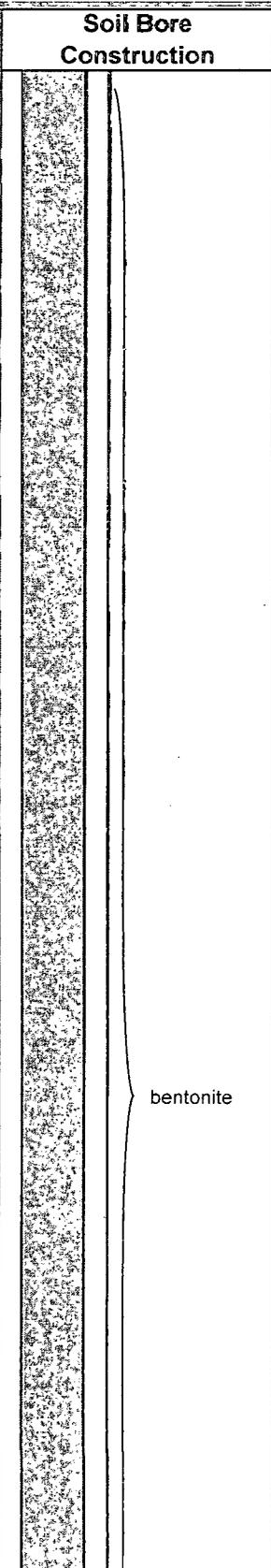
Lab No.: 07 11019-11019a

Copies To: Rice Operating

BY: [Signature]

BY: [Signature] P.E.

Logger:	Lara Weinheimer	Client:	RICE Operating Company	Well ID: SB - 1
Driller:	Harrison & Cooper Drilling	Project Name:	BD jct. A-1-1	
Drilling Method:	Air rotary	Location:	BD SWD System	
Start Date:	4-30-08		unit 'A' Sec.1 T22S, R36E	
End Date:	4-30-08		Lea County, NM	
Comments: Located at the source of the former jct. box site TD = 120 ft GW = 124 ft				

Depth (feet)	chloride field tests	PID	Description	Lithology	Soil Bore Construction
15	1299		10 - 15 ft VERY FINE SAND some rock, light brown, dry		
20	2195		15 - 20 ft VERY FINE SAND some rock, light brown, dry		
25	2089		20 - 25 ft VERY FINE SAND some rock, light brown, dry		
Lab	1900		25 - 30 ft VERY FINE SAND		
30	1026		some rock, reddish-brown, dry		
35	731		30 - 45 ft VERY FINE SAND orangy-brown, slightly moist		
40	834				
45	1136				
50	1303		45 - 50 ft VERY FINE SAND orangy-brown, dry		
55	1212		50 - 55 ft VERY FINE SAND some rock, reddish-orange, dry		
60	1530		55 - 65 ft VERY FINE SAND some rock, light brown, dry		
65	1357				
70	1311		65 - 80 ft VERY FINE SAND some rock, light brown, dry		
75	1003				
80	804				
85	900		80 - 85 ft VERY FINE SAND some rock, light brown, dry		
90	631		85 - 100 ft VERY FINE SAND		

			some rock, reddish-brown, dry			
95	762					
100	997					
			100 - 105 ft			
			VERY FINE SAND			
105	600		sandstone rock, light brown, dry			
			105 - 115			
110	403		VERY FINE SAND			
			reddish-brown, dry			
115	339					
			115 - 120			
			VERY FINE SAND			
120	364		sandstone rock, light brown, slightly moist			
Lab	288					