

1R - 426-124

**REPORTS**

**DATE:**

2006

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BD JcT 11-30

1R-426-124

RECEIVED

318 - 3 2007

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	Width	Depth
BD	jct. P-30	P	30	21S	37E	Lea	moved 30 ft south		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Nymeyer Property OTHER \_\_\_\_\_

Depth to Groundwater 99 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20\*\*

Date Started 6/12/2006 Date Completed 8/24/2006 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 6/22/2006 Sample Depth 12 ft

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	PID = 13.6				<10.0	18.9	1296
BOTTOM COMP.	<0.005	<0.005	<0.005	0.021	57.2	1100	1360
BACKFILL	PID = 9.7				<10.0	<10.0	629

General Description of Remedial Action:

This junction box was addressed

with the pipeline replacement/upgrade program. This old junction box was replaced with a new, watertight box 30 ft south of the former. After the lumber was removed from the old box, the site was delineated using a backhoe while soil samples were collected at regular intervals creating a 30 x 30 x 12-ft-deep excavation. Chloride field tests and PID detections were measured on each soil sample. Trends of decline were not established with the chloride concentrations and PID detections yielded elevated concentrations, especially at the bottom of the excavation. Composite samples were collected for laboratory analysis and the excavated soil was blended on site and then backfilled to 6 ft BGS. At 6 ft, a clay barrier was installed and the remaining excavated soil was backfilled on top and contoured to the surrounding surface to divert rainwater. An identification plate was placed on the surface to mark the location of the former jct. box for future environmental considerations and the presence of clay below. NMOCD was notified of potential groundwater impact at this site on 10/13/2006.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, PID field screenings, chloride graph. BTEX study, profile

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
15 ft SOUTH of junction	3	1419
	4	2343
	5	2351
	6	404
	7	579
	8	1246
	9	2087
	10	2364
	11	3978
	12	2905
4-wall comp.	n/a	1155
bottom comp.	12	1086
backfill comp.	n/a	869

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE *Darnell Mitchell* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE \_\_\_\_\_

DATE 10/19/2006 TITLE Project Scientist

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

\*\* An inactive non-domestic water well is located 580 ft NW of this site.

# BD jct. P-30



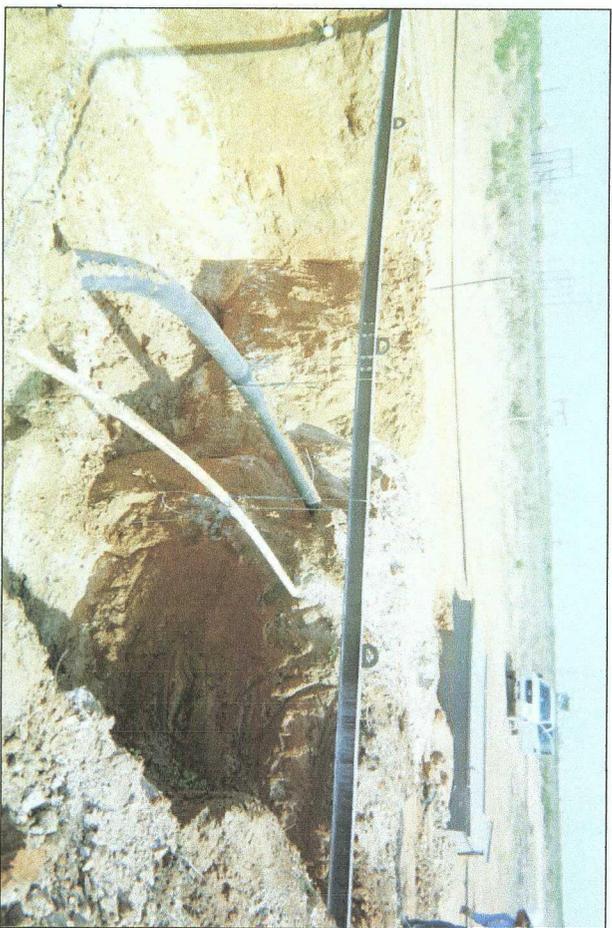
undisturbed junction box

4/30/2003

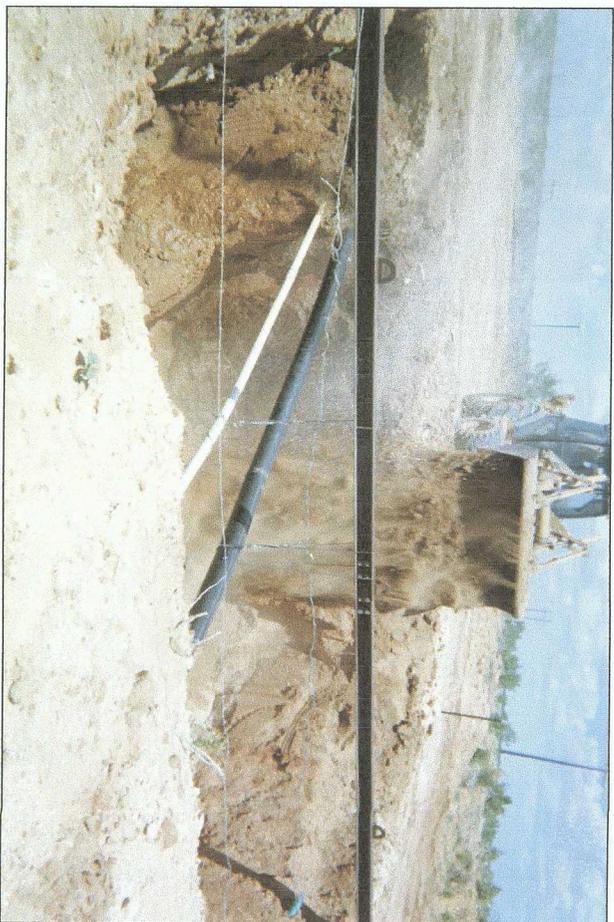


beginning delineation at former box site (new box also shown)

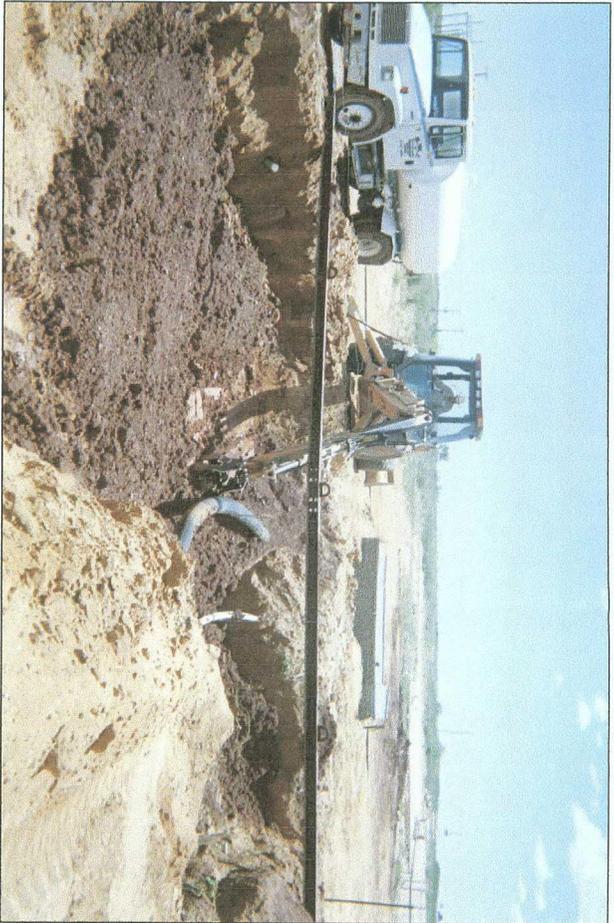
June 2006



30 x 30 x 12-ft-deep excavation



backfilling excavation

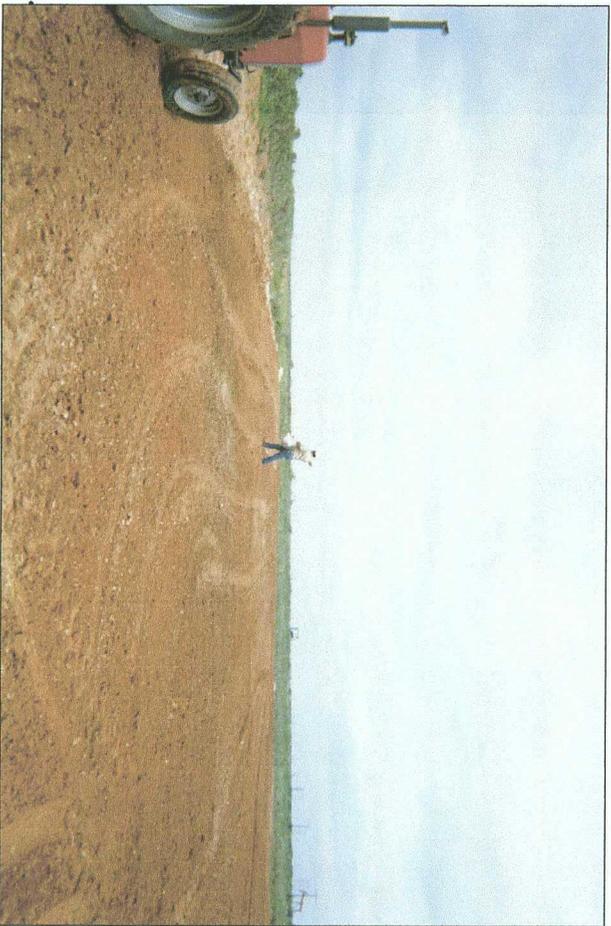


installing clay at 6 ft



completing backfill

8/24/2006



seeding disturbed surface

9/7/2006

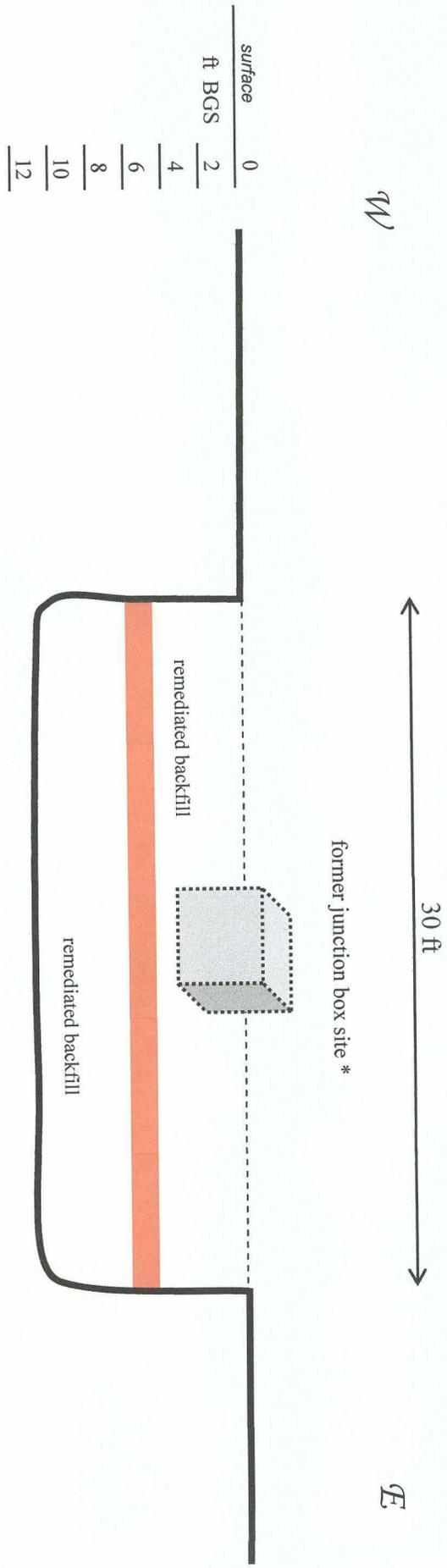


clay identification plate

# BD jct. P-30

## 30 x 30 x 12-ft-deep

### Excavation Cross-Section



\* The junction box was replaced  
30 ft south from this site.

# 2006 BTEX Study

# Revised Junction Box Upgrade Plan (2003)

System: BD Date: 6/22/2006 Laboratory: Cardinal Laboratory  
 Site: jet. P-30 Sampler: Darnell Mitchell

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	4000	<0.005	<0.005	<0.005	0.021
	2	3500				
	3	3940				
	4	0.1				
	5	0.0				
			LAB COMPOSITE (mg/kg)			
			<0.005	<0.005	<0.005	0.035

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.  
 Revised Junction Box Upgrade Work Plan (July 16, 2003)

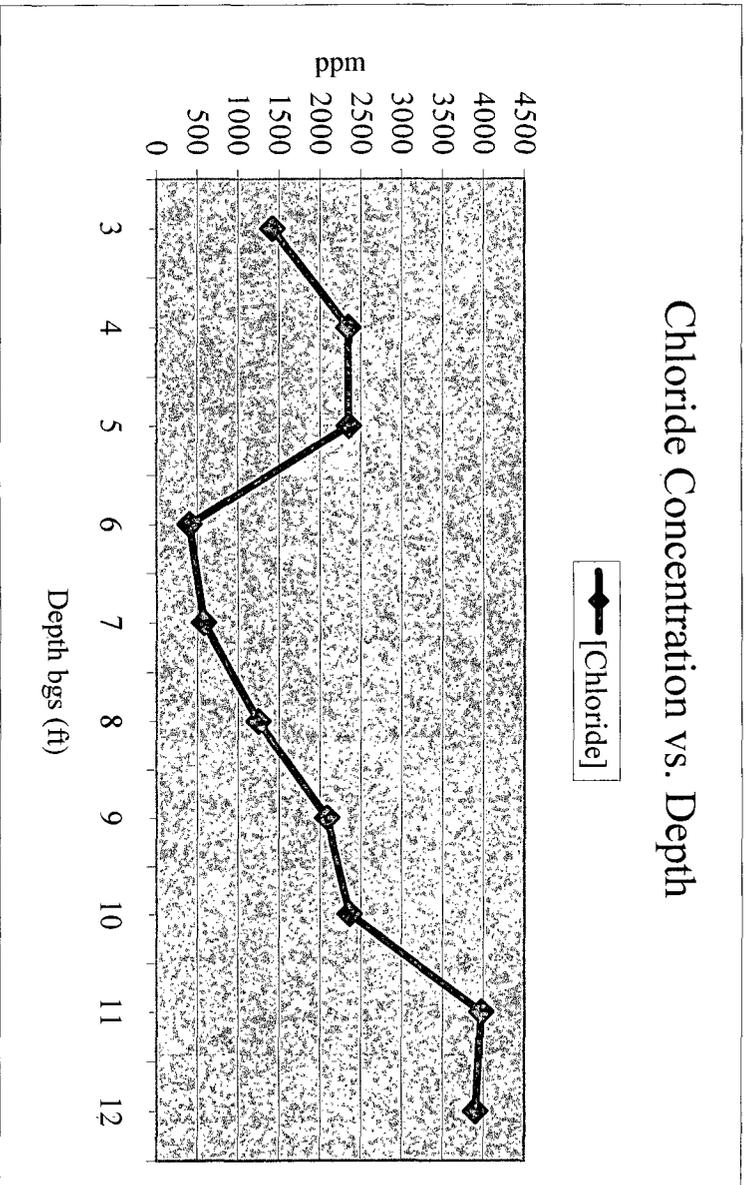
# BD Jct. P-30

unit 'P', Sec. 30, T21S, R37E

15 ft SOUTH of junction

Depth bgs (ft)	[Cl] ppm
3	1419
4	2343
5	2351
6	404
7	579
8	1246
9	2087
10	2364
11	3978
12	3905

Groundwater = 99 ft



# RICE OPERATING COMPANY

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

## VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.   
 MODEL   
 NO.

MODEL: PGM 761S  
 MODEL: PGM 761S  
 MODEL: PGM 7600

SERIAL NO: 104412  
 SERIAL NO: 104490  
 SERIAL NO: 110-12383

LOT NO: 05-2895  
 FILL DATE: 7-19-05  
 ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE  
 EXP. DATE: 7-19-07  
 METER READING ACCURACY: 100.2

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
B.D	Jct P-30	P	30	T-21-S	R-37-E

4 wall Point Samples And 4 wall Composit Sample Backfill sample

SAMPLE	PID RESULTS	SAMPLE	PID RESULTS
1 wall	2.7		
2 wall	4.9		
3 wall	8.3		
4 wall	4.1		
4 wall composit	13.6		
Backfill	9.7		

COPY

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

SIGNATURE: Dannell Mitchell

DATE: 6-22-06



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

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

COPY

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

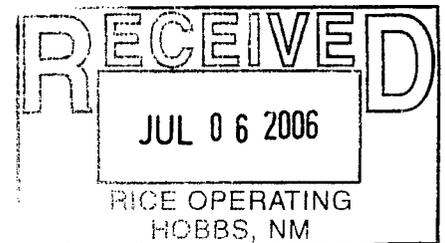
Receiving Date: 06/26/06  
Reporting Date: 06/29/06  
Project Number: NOT GIVEN  
Project Name: BD JCT P-30  
Project Location: NOT GIVEN

Sampling Date: 06/22/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		06/28/06	06/28/06	06/28/06
H11282-1	BTTM 5 PT COMP. @12'	57.2	1100	1360
H11282-7	4 WALL COMP. 30'x30'	<10.0	18.9	1296
H11282-8	BLENDED BACKFILL	<10.0	<10.0	629
Quality Control		744	767	990
True Value QC		800	800	1000
% Recovery		93.0	95.9	99.0
Relative Percent Difference		5.2	2.8	0.0

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

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



Bryan J. Cooke  
Chemist

6/29/06  
Date

H11282A

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

Receiving Date: 06/26/06  
 Reporting Date: 06/29/06  
 Project Number: NOT GIVEN  
 Project Name: BD JCT P-30  
 Project Location: NOT GIVEN

Sampling Date: 06/22/06  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: BC  
 Analyzed By: BC

LAB NUMBER   SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE	06/27/06	06/27/06	06/27/06	06/27/06
H11282-1 BTTM 5 PT COMP. @12'	<0.005	<0.005	<0.005	0.021
H11282C COMPOSITE OF BTTM #1, #2, #3, #4, #5	<0.005	<0.005	<0.005	0.035
Quality Control	0.102	0.100	0.106	0.309
True Value QC	0.100	0.100	0.100	0.300
% Recovery	102	99.9	106	103
Relative Percent Difference	1.7	1.6	7.2	2.5

METHOD: EPA SW-846 8260

*Burgess J. Cooke*  
 Chemist

6/29/06  
 Date

FIELD  
 LAB

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