

1R - 423-16

REPORTS

DATE:

8-4-08

Justis Jct L-23

4
1R423-16

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		
Justis	Jct. L-23	L	23	24S	37E	Lea	Length	Width	Depth
							moved 50 ft north		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Becky Jo Doom; Jerold and Daniel Doom OTHER _____

Depth to Groundwater 94 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/2/2008 Date Completed 4/28/2008 OCD Witness no

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

Soil Disposed 456 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 4/7/2008 Sample Depth 12 ft

TPH, BTEX and Chloride laboratory test results completed by using an approved lab 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
SOURCE 12' GRAB	<0.002	<0.002	0.003	0.138	15.9	761	3040
15' NORTH 12' GRAB	PID = 0.0 (field reading)				<10.0	196	5600
15' SOUTH 12' GRAB	PID = 0.0 (field reading)				<10.0	<10.0	3240
15' EAST 12' GRAB	PID = 0.0 (field reading)				<10.0	<10.0	6480
15' WEST 12' GRAB	PID = 0.0 (field reading)				<10.0	<10.0	3560

General Description of Remedial Action: This junction box was addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 50 ft north of the former. 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 sample was field tested for chloride concentrations, which yielded elevated levels that did not relent with depth. Organic vapors were also measured using a PID. A 12 ft grab samples from the source and 15 ft north, south, east, and west were sent to a commercial laboratory for analysis. The site was then backfilled up to 6 ft below ground surface. A 6-ft-deep shelf was excavated 5 ft out from the north, south, east, and west walls to prepare the surface for the geosynthetic clay liner. At 6-5 ft BGS, a GCL was installed. The excavation was then backfill and contoured to the surrounding area with clean, imported soil. An identification plate was then placed on the surface at the former junction site to mark the presence of the GCL below. NMOCD was notified of potential ground-water impact on 7/30/2008.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
vertical delineation trench 15 ft west of junction (source)	2'	1152
	4'	3418
	6'	3120
	8'	3481
	10'	3357
	12' grab	3627
source	12' grab	5526
15' north	12' grab	4648
15' south	12' grab	2813
15' east	12' grab	5016

ADDITIONAL EVALUATION IS MEDIUM PRIORITY

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

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 4-4-08 TITLE PROJECT LEADER

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

Justis Jct. L-23

Unit L, Section 23, T24S, R37E



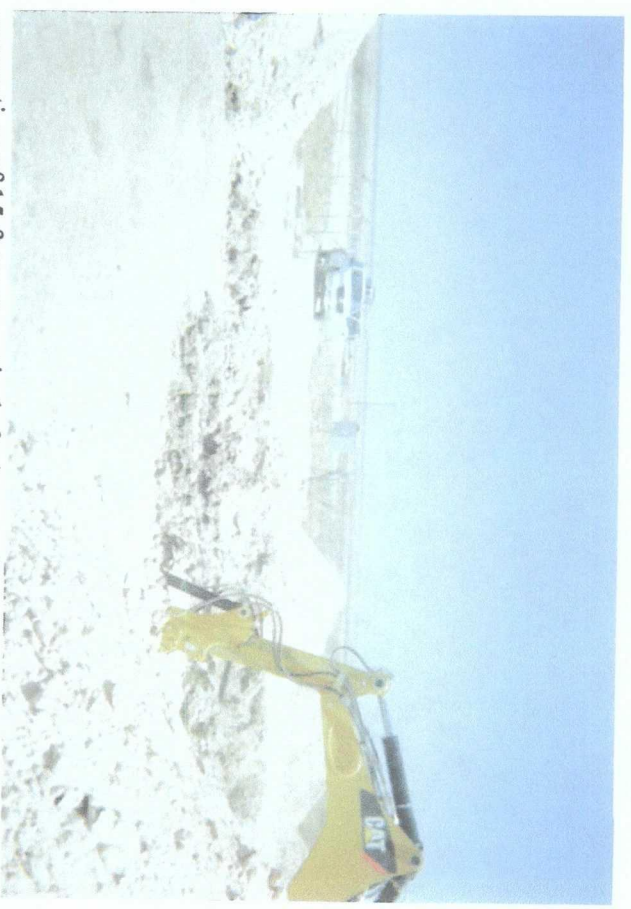
undisturbed junction box; facing north

11/5/2007



excavating bench on west side of location

4/23/2008



excavation of 15 ft west vertical; facing northeast

4/7/2008



clean, imported dirt being unloaded; facing west

4/25/2008

Justis Jct. L-23

Unit L, Section 23, T24S, R37E



GCL in place, facing southwest

4/28/2008



backfilling excavation site, facing west

4/28/2008



site complete with clay marker, facing southwest

5/1/2008

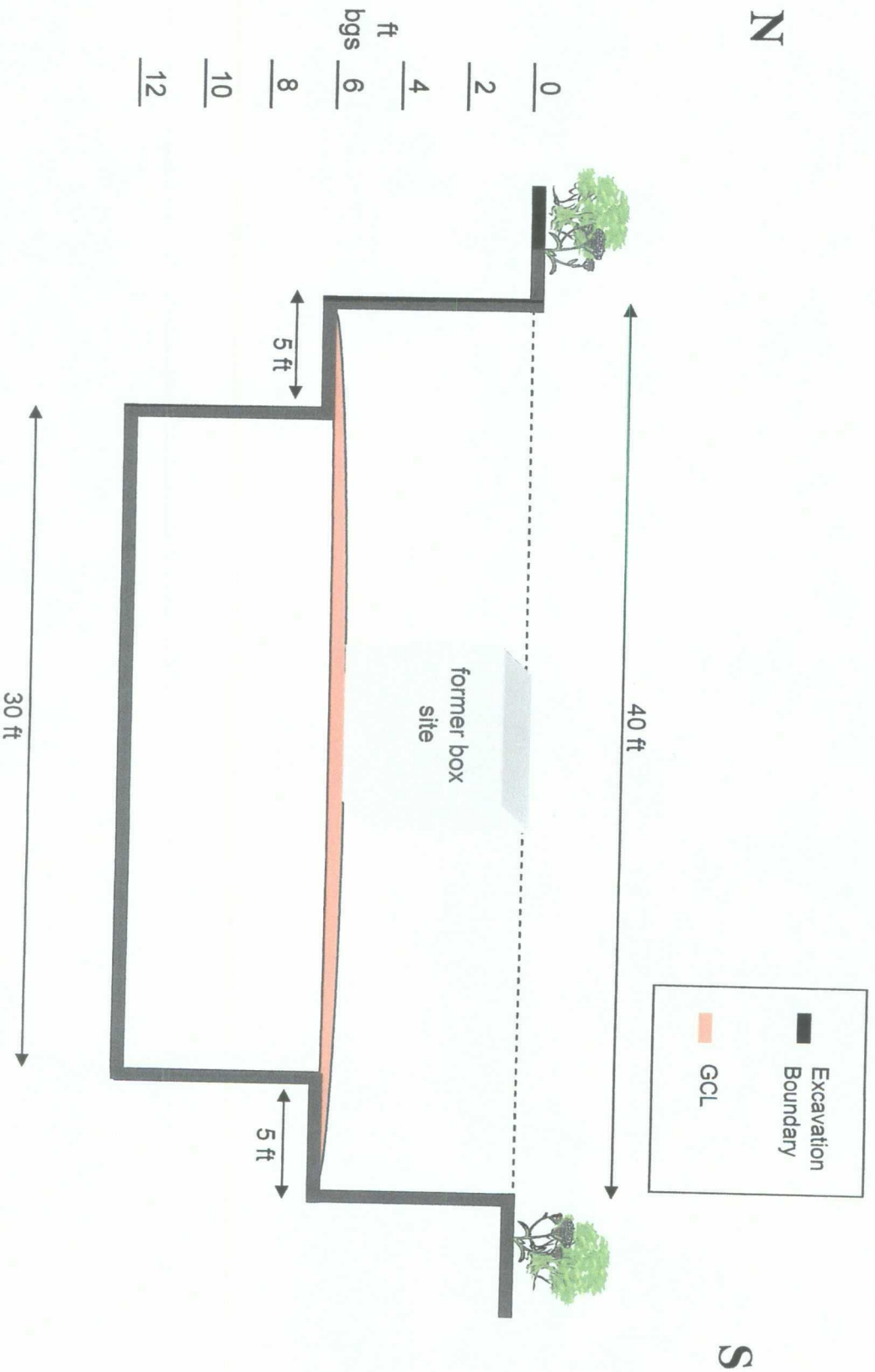


new, watertight junction box

5/23/2008

Justis Jct. L-23
Unit 'L', Section 23, T24S, R37E

Excavation Cross-Section





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

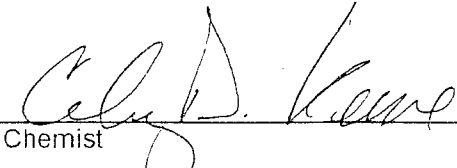
Receiving Date: 04/07/08
Reporting Date: 04/09/08
Project Owner: NOT GIVEN
Project Name: JUSTIS JCT. L-23
Project Location: JUSTIS JCT. L-23

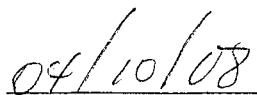
Sampling Date: 04/07/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		04/08/08	04/08/08	04/08/08
H14592-1	15' SOUTH OF SOURCE 12' GRAB	<10.0	<10.0	3,240
H14592-2	15' EAST OF SOURCE 12' GRAB	<10.0	<10.0	6,480
H14592-3	SOURCE GRAB @ 12'	15.9	761	3,040
H14592-4	15' NORTH OF SOURCE 12' GRAB	<10.0	196	5,600
H14592-5	15' WEST OF SOURCE 12' GRAB	<10.0	<10.0	3,560
Quality Control		442	545	490
True Value QC		500	500	500
% Recovery		88.4	109	98.0
Relative Percent Difference		5.0	5.6	<0.1

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

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


Chemist


Date

H14592TCL RICE

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

COPY

Receiving Date: 04/07/08
Reporting Date: 04/09/08
Project Owner: NOT GIVEN
Project Name: JUSTIS JCT. L-23
Project Location: JUSTIS JCT. L-23

Sampling Date: 04/07/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE TOLUENE		ETHYL	TOTAL
		(mg/kg)	(mg/kg)	BENZENE (mg/kg)	XYLENES (mg/kg)
ANALYSIS DATE		04/08/08	04/08/08	04/08/08	04/08/08
H14592-3	SOURCE GRAB @12'	<0.002	<0.002	0.003	0.138
Quality Control		0.094	0.104	0.104	0.327
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.5	104	104	109
Relative Percent Difference		4.7	4.3	4.6	5.0

METHOD: EPA SW-846 8260B

RECEIVED

APR 14 2008

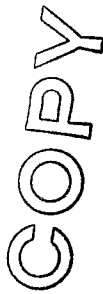
RICE OPERATING
HOBBS, NM

Chemist

Date

H14592B RICE

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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

[illegible]

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

RICE OPERATING COMPANY

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

CK.
 MODEL
 NO.

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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: 99.5

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Justis	L-23	2	23	245	37E

15' South of Source

15' East of Source

SAMPLE ID	PID	SAMPLE ID	PID
6'	0	2'	0
8'	0	4'	0
10'	0	6'	0
12'	0	8'	0
		10'	0
		12'	0

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

SIGNATURE:

Bruce Baker

DATE:

4-7-08

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.	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL	<input 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

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LOT NO: 07-3353	EXPIRATION DATE: 4/12/09
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ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Justis	L-23	L	23	24S	37E

SAMPLE ID	PID	SAMPLE ID	PID
Source Sample for Lab @ 12'	33.3	15' west of Source	
		2'	0
15' North of Source		4'	0
2'	0	6'	0
4'	0	8'	0
6'	0	10'	0
8'	0	12'	0
10'	0		
12'	0		

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

SIGNATURE: Bruce Baker

DATE: 4-7-08

CHLORIDE CONCENTRATION CURVE

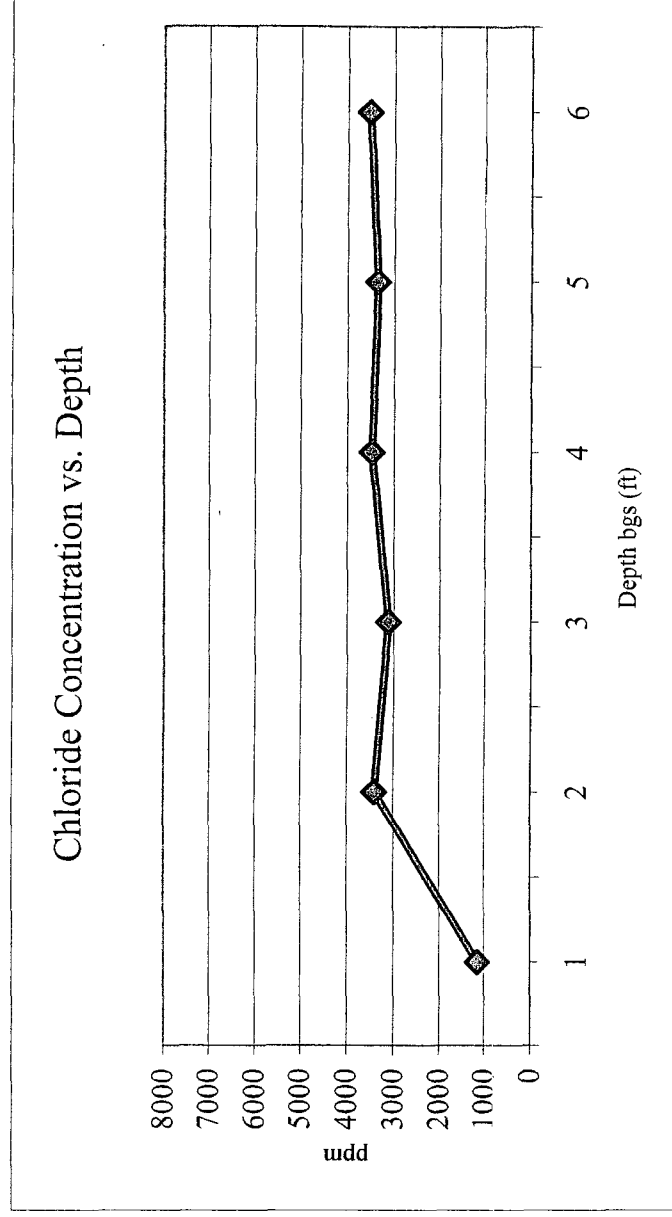
RICE Operating Company

Justis Jct. L-23

unit 'L', Sec. 23, T24S, R37E

Backhoe samples at 15 ft west of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
2	1152
4	3418
6	3120
8	3481
10	3357
12	3527



Groundwater = 94 ft