

1R - 426-164

REPORTS

DATE:

4-1-08

BD Jct K-23

1R426-164

CLOSURE

4-1-08

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
BD	jct. K-23	K	23	21S	37E	Lea	Length	Width	Depth
							moved 40 ft southeast		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Delrose Scott OTHER _____

Depth to Groundwater 36 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30 *

Date Started 1/24/2007 Date Completed 2/26/2007 NMOCD Witness no

Soil Excavated 200 cubic yards Excavation Length 20 Width 20 Depth 12-15 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 1/29/2007, 2/9/2007 Sample Depth 12-15 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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.5	<10.0	<10.0	<16
BOTTOM COMP. 12-15 ft	9.8	<10.0	169.0	32
BACKFILL COMP.	1.9	<10.0	<10.0	<16

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction (source)	4	267
	5	282
	6	230
	7	265
	8	235
	9	270
	10	230
	11	258
	12	199
	13	88
	14	185
	15	169
4-wall comp.	n/a	234
bottom comp.	12-15	116
backfill comp.	n/a	257

General Description of Remedial Action:

This junction box site was addressed
with the pipeline replacement/upgrade program. A new, replacement junction box was built 40 ft southeast. After the box lumber was removed from the former junction site, a backhoe was used to collect soil samples at regular intervals producing a 20 x 20 ft square excavation. Chloride field tests revealed low concentrations throughout. Organic vapors were measured using a PID and also yielded low concentrations. However, a small 3 x 3 ft area at the floor of the 12-ft excavation exhibited hydrocarbon-stained soil. This 3 x 3 ft area was excavated to 15 ft BGS to removed the stained soil. Representative composite samples were collected from the excavation floor, walls, and excavated soil for laboratory analysis. Resultant TPH concentrations on the walls meet NMOCD guidelines but were not met on the bottom sample. The small amount of TPH left below the excavation can be expected to naturally attenuate. The excavated soil was blended on site and returned to the hole and contoured to the surrounding surface. The disturbed area was seeded with a blend of native vegetation on 2/28/2007 and is expected to return to productive capacity at a normal rate.

* A supply well for a nearby gas plant is located 897 ft north of this site.

enclosures: photos, lab results, PID field screenings

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 P. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 7/10/2007 TITLE Project Scientist

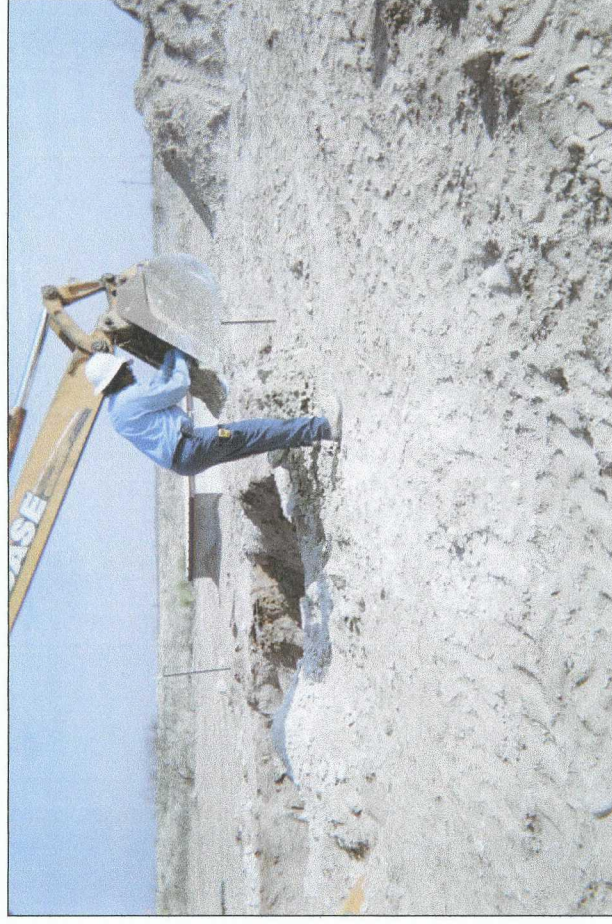
BD jct. K-23

Unit K, Section 23, T21S, R37E



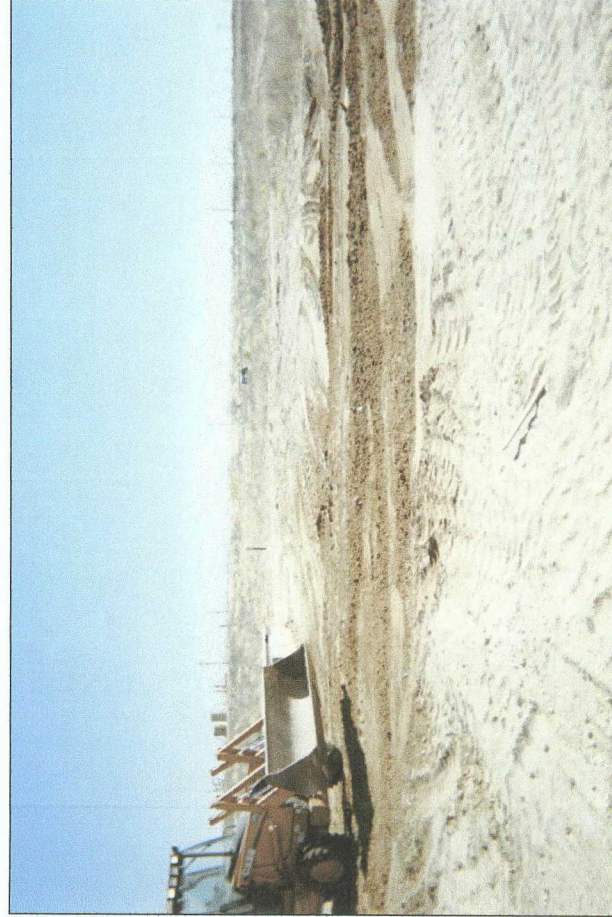
undisturbed junction box

5/31/2006



collecting samples from excavation

January 2007



completing backfill of excavation

2/26/2007



seeding backfilled site; new junction box in background

2/26/2007



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: 02/09/07
Reporting Date: 02/14/07
Project Number: NOT GIVEN
Project Name: B.D. K23 VENT JCT
Project Location: NOT GIVEN

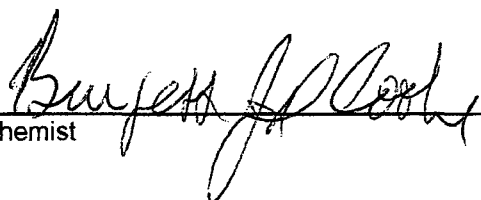
Sampling Date: 02/09/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		02/13/07	02/13/07	02/12/07
H12182-1	BOTTOM 5PT COMP. RESAMPLE	<10.0	169	32
Quality Control		752	784	490
True Value QC		800	800	500
% Recovery		94.0	97.9	98
Relative Percent Difference		7.0	0.5	1.0

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

*Analysis performed on a 1:4 w:v aqueous extract.

COPY


Chemist

2/14/07
Date

H12182

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 client for 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 thirty (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.

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

Page ____ of ____

[illegible]

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

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

PID METER READING & CALIBRATION

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

MODEL: PGM 7600

SERIAL NO: 110-012920

METER READING ACCURACY: 100.5

DATE: 29-07

20' x 20' x 12'

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: PGM 761S
MODEL ☒ MODEL: PGM 7600
NO. ☐ MODEL: PGM 7600
☐ MODEL: PGM 7600

SERIAL NO: 104412
SERIAL NO: 110-013744
SERIAL NO: 110-12383
SERIAL NO: 110-012920

LOT NO: 05-2992
FILL DATE: 11-28-05
ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

EXP. DATE: 5-28-07
METER READING ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	V. K-23	K	23	215	37E

SAMPLE	PID Results	Sample	PID Results
N. WALL SP#1	5.6	E. WALL Comp SP#1	5.2
2	1.6	2	16.3
3	1.4	3	4.8
4	6.6	4	1.1
5	4.4	5	2.7
N. WALL Comp.	2.3	E. WALL Comp	2.3
S. WALL SP#1	3.2	W. WALL Comp SP#1	3.5
2	2.2	2	1.9
3	4.8	3	5.5
4	11.3	4	2.0
5	5.3	5	9.0
S. WALL Comp.	0.0	W. WALL Comp	3.7
Y WALL Comp	0.5	Blended Backfill	1.9
5 PT BTM Comp @ 12'	16.7		

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

SIGNATURE: [Signature]

DATE: 1-29-07