

1R - 425-77

REPORTS

DATE:

11-6-09

1R425-77

**Vacuum A-31
2009**

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

RECEIVED

APR - 6 2009

**Environmental Bureau
Oil Conservation Division**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	Jct. A-31	A	31	17S	35E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 117 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 2/23/2009 Date Completed 4/8/2009 OCD Witness no

Soil Excavated 7.0 cubic yards Excavation Length 3 Width 7 Depth 9 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 2/23/2009 Sample Depth 9 ft

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	Chloride mg/kg
SOURCE 9' GRAB	1.8	<10.0	<10.0	16

LOCATION	DEPTH	mg/kg
background	6"	143
vertical delineation trench at the junction (source)	5'	232
	6'	145
	7'	244
	8'	225
	9'	206

General Description of Remedial Action: This junction box was addressed during the

Vacuum SWD System Abandonment. An investigation was conducted at the former junction box site using a backhoe to collect soil samples at regular intervals creating a 3x7x9-ft deep excavation. Chloride field tests were performed on each sample which yielded low concentrations similar to that of the background sample. Organic vapors were measured using a PID which also yielded low concentrations. The deepest sample, 9 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Laboratory analysis confirmed low concentrations of each. Clean, imported soil was used to backfill the excavation to ground surface and to contour to the surrounding area. On 4/13/2009, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR Jordan Woodfin SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 11-6-09

Vacuum Jct. A-31

Unit A, Section 31, T17S, R35E



former junction box

10/18/2005



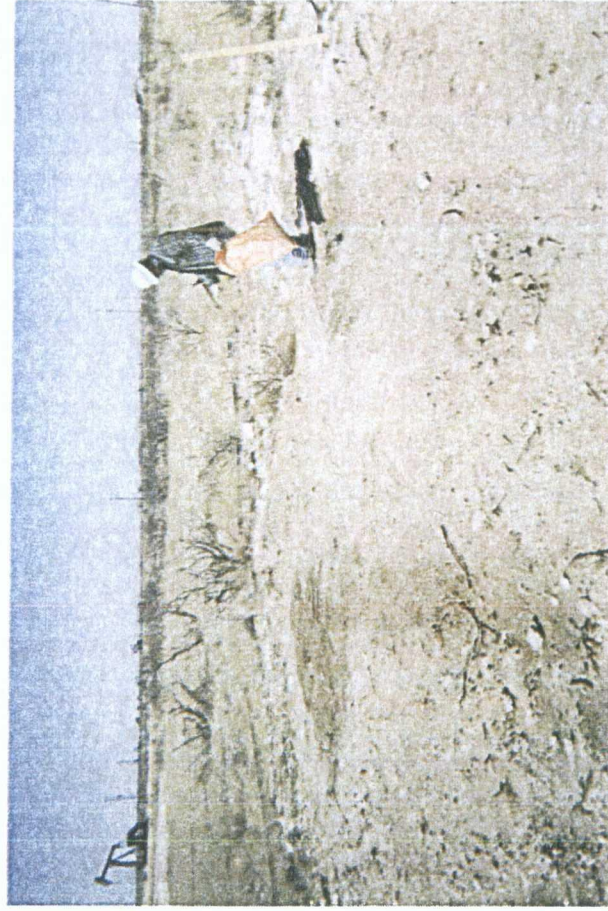
excavating the former junction box site

2/23/2009



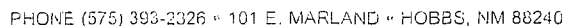
excavation at the former junction box site

2/23/2009



seeding the backfilled site

4/13/2009



COPY

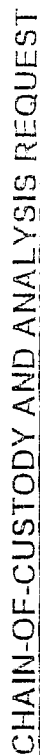
Sampling Date: 02/23/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: IML
Analyzed By: AB/HM

ANALYSIS DATE	02/25/09	02/25/09	02/25/09
H16955-1 SOURCE BTM GRAB @ 9 FT.	<10.0	<10.0	16
Quality Control	514	584	500
True Value QC	500	500	500
% Recovery	103	117	100
Relative Percent Difference	<0.1	4.0	< 0.1

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

02/25/09
Date

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of 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

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (575) 393-9174 FAX: (575) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

GOPY

Check Model Number:

✓

Model: PGM 7300 Serial No: 590-000509
 Model: PGM 7300 Serial No: 590-000508
 Model: PGM 7300 Serial No: 590-000504

Model: PGM 7600 Serial No: 110-023920
 Model: PGM 7600 Serial No: 110-013744
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 08-3425	EXPIRATION DATE: 10-29-09
FILL DATE: 2-29-08	METER READING ACCURACY: 100

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	A-31	A	31	17s	35E

SOURCE

SAMPLE ID	PID	SAMPLE ID	PID
5'	24.8	Background	9.7
6'	7.5		
7'	7		
8'	3		
9'	1.8		

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

SIGNATURE:

[Signature]

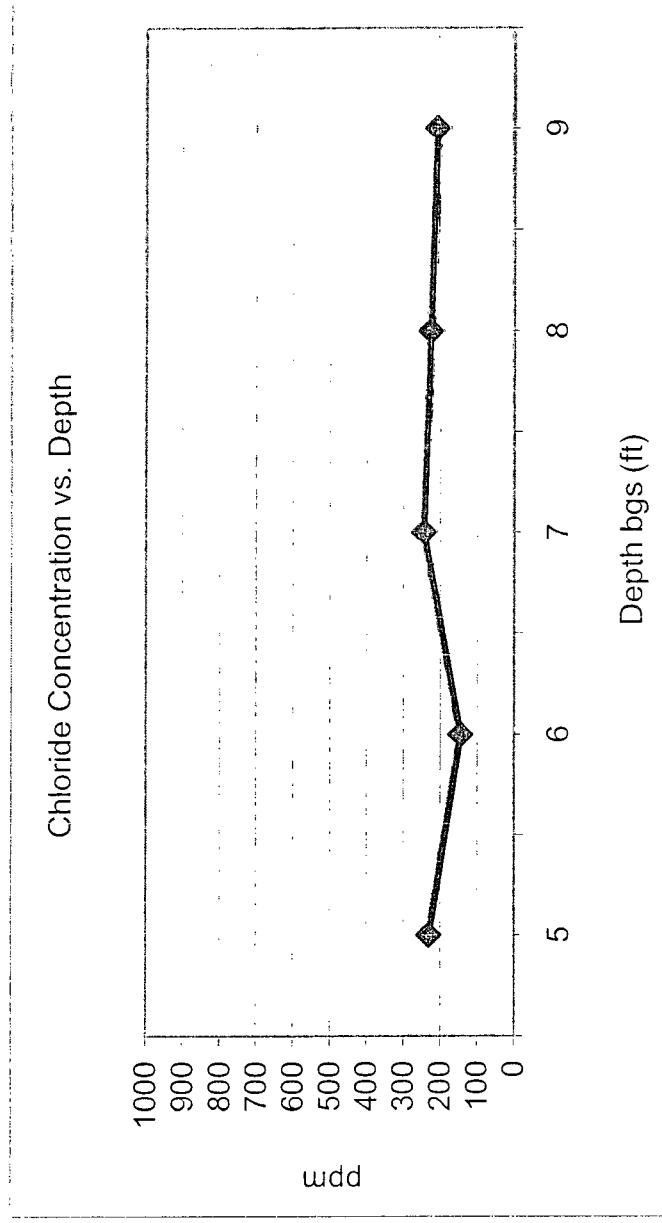
DATE: 2-23-09

Vacuum Jct. A-31

Unit 'A', Sec. 31, T17S, R35E

Backhoe samples at the junction (source)

Depth, bgs (ft)	[Cl ⁻] ppm
5	232
6	145
7	244
8	225
9	206



Groundwater = 117 ft