

1R - 425-79

REPORTS

DATE:

11-3-09

**Vac E-29 EOL
2009**

1R425-79

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

RECEIVED
APP - 6 2010
Environmental Bureau
Oil Conservation Division

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	E-29 EOL	E	29	17S	35E	Lea	Length	Width	Depth
							eliminated		

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

Depth to Groundwater 77 feet NMOC SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/18/2009 Date Completed 6/18/2009 OCD Witness no

Soil Excavated n/a cubic yards Excavation Length n/a Width n/a Depth n/a feet

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

FINAL ANALYTICAL RESULTS: Sample Date 6/18/2009 Sample Depth 12 ft

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOC guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SB #1 12' GRAB	0.3	<10.0	<10.0	80

LOCATION	DEPTH	mg/kg
background	6"	166
vertical delineation at the junction (source)	2'	121
	3'	353
	4'	557
	5'	735
	6'	933
	7'	1443
	8'	1169
	9'	1037
	10'	548
	11'	416
	12'	329

General Description of Remedial Action: This junction was addressed during the Vacuum SWD System Abandonment. An investigation was conducted at the former junction box site using a air-rotary drilling rig to collect soil samples at regular intervals. Chloride field tests were performed on each sample which yielded concentrations that decreased with depth. Organic vapors were measured using a PID which also yielded low concentrations. The deepest sample, 12 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Lab analysis confirmed low concentrations of each. The entire bore hole was backfilled with bentonite to the ground surface. Clean, imported soil was used to contour the site to the surrounding area. On 6/25/2009, 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) tests, chloride curve

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

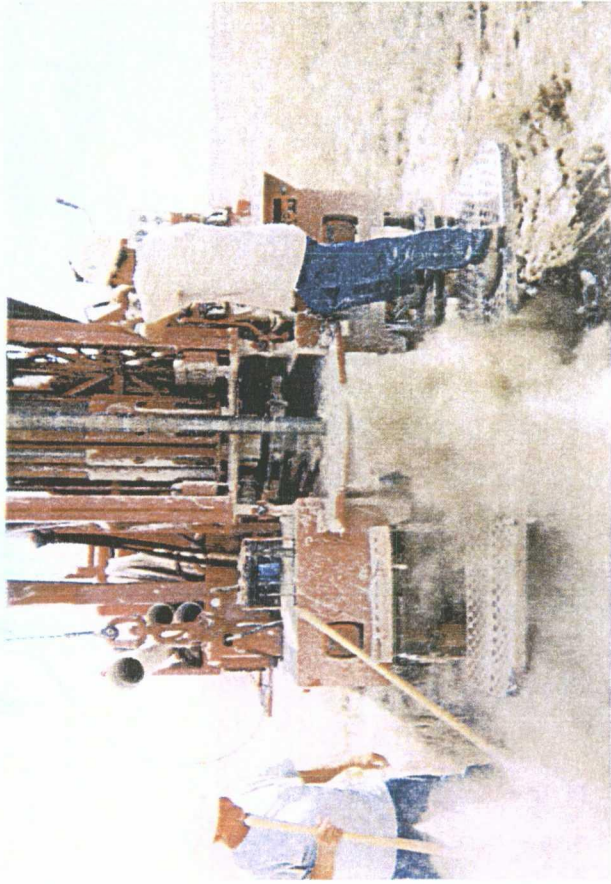
SITE SUPERVISOR Jordan Woodfin SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 11-3-09

Vacuum E-29 EOL

Unit E, Section 29, T17S, R35E



drilling SB #1 at the former junction box site

6/18/2009



plugging SB #1 with bentonite

6/18/2009



importing clean soil to the site

6/24/2009



seeding the backfilled site

6/25/2009



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: DARNELL MITCHELL
122 W. TAYLOR
HOBBS, NM 88240

COPY

Receiving Date: 06/19/09
Reporting Date: 06/22/09
Project Number: NOT GIVEN
Project Name: SB#1 @ 12'
Project Location: VACUUM E 29 EOL

Sampling Date: 06/18/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₅ -C ₁₀)	DRO (>C ₁₀ -C ₂₈)	CI*
		(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE		06/20/09	06/20/09	06/19/09
H17672-1	SB #1 @ 12'	<10.0	<10.0	80
Quality Control		514	551	500
True Value QC		500	500	500
% Recovery		103	110	100
Relative Percent Difference		4.0	5.7	<0.1

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

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

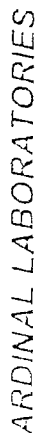
Note: Second surrogate for the 8015M analysis was outside historical limits due to matrix interference.

Chemist

Date

H17672 TCL RICE

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.



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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

COPY

Check Model Number:

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

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

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

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: 3604	EXPIRATION DATE: 10-9-10
FILL DATE: 4-9-09	METER READING ACCURACY: 100

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	E-29 EOL	E	29	175	35E

SAMPLE ID	PID	SAMPLE ID	PID
2'	0.0	Background	
3'	0.3	6"	0
4'	0.3		
5'	0.1		
6'	0.2		
7'	0.3		
8'	0.3		
9'	0.3		
10'	0.3		
11'	0.4		
12'	0.3		

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

SIGNATURE

Jordan Woolf

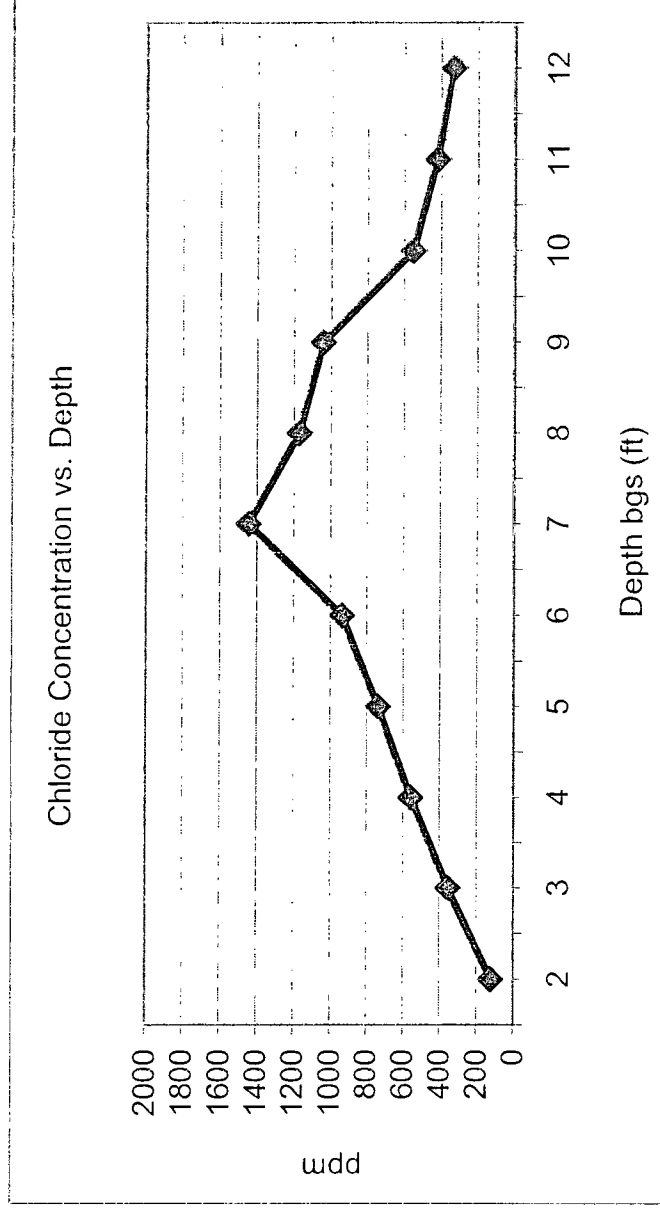
DATE: 6-13-09

Vacuum E-29 EOL

Unit 'E', Sec. 29, T17S, R35E

Soil Boring samples at the junction (source)

Depth bgs (ft)	Cl ⁻ ppm
2	121
3	353
4	557
5	735
6	933
7	1443
8	1169
9	1037
10	548
11	416
12	329



Groundwater = 77 ft