

1R - 425-87

REPORTS

DATE:

11-19-09

Vacuum Jet K-28-1
2009

1R425-87

DISCLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	Jct. K-28-1	K	28	17S	35E	Lea	eliminated		

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

Depth to Groundwater 68 feet NMOCD 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 NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SB #1 12' GRAB	0.7	<10.0	<10.0	7,400

LOCATION	DEPTH	mg/kg
background	6"	183
vertical delineation at the junction (source)	3'	581
	4'	688
	5'	1,906
	6'	5,498
	7'	5,628
	8'	6,249
	9'	6,224
	10'	8,182
	11'	7,635
	12'	6,958

General Description of Remedial Action: This junction was addressed during the Vacuum SWD System abandonment. Clean, imported soil was used to backfill the former junction box site to allow a drilling rig access to the site. 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 elevated concentrations. Organic vapors were measured using a PID which yielded low concentrations. The deepest sample, 12 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Laboratory analysis confirmed elevated concentrations of chloride and low concentrations of TPH. The entire bore hole was plugged with bentonite to the ground surface. NMOCD was notified of potential groundwater impact on 11/16/2009.

ADDITIONAL EVALUATION IS MEDIUM PRIORITY

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 *Jordan Woodfin* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 11-19-09

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

Vacuum Jct. K-28-1

Unit K, Section 28, T17S, R35E



backfilling the former junction box site

5/29/2009



drilling SB #1 at the former junction box site

6/18/2009



collecting a soil sample

6/18/2009



plugging SB #1 with bentonite

6/18/2009



ARDINAL LABORATORIES

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 JCT K-28-1

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	DRO	CI*
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	
		(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	06/20/09	06/20/09	06/19/09
H17671-1 SB #1 @ 12'	<10.0	<10.0	7,400
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-CI*B
*Analysis performed on a 1:4 w:v aqueous extract. Reported on wet weight.

Chemist

Date

H17671 TOL 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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BILL TO				ANALYSIS REQUEST												
P.O. #:																
Company: SAME																
Attn:																
Address:																
City:																
State:																
Zip:																
Phone #:																
Fax #:																
Lab I.D.	Sample I.D.	MATRIX	PRESERV	SAMPLING												
117611	SBP(2) 12	GROUNDWATER	✓	ICE / COOL												
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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:

✓

Model: PGM 7300 Serial No: 590-000183
 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: 3004	EXPIRATION DATE: 10-9-10
FILL DATE: 4-9-09	METER READING ACCURACY: 100

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	K-28-1	K	28	175	35E

SAMPLE ID	PID	SAMPLE ID	PID
3'	120.6	Background	
4'	53.7	0"	0.1
5'	12.5		
6'	3.7		
7'	2.9		
8'	8.1		
9'	1.5		
10'	1.2		
11'	0.5		
12'	0.7		

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

SIGNATURE:

Jordan Weir

DATE:

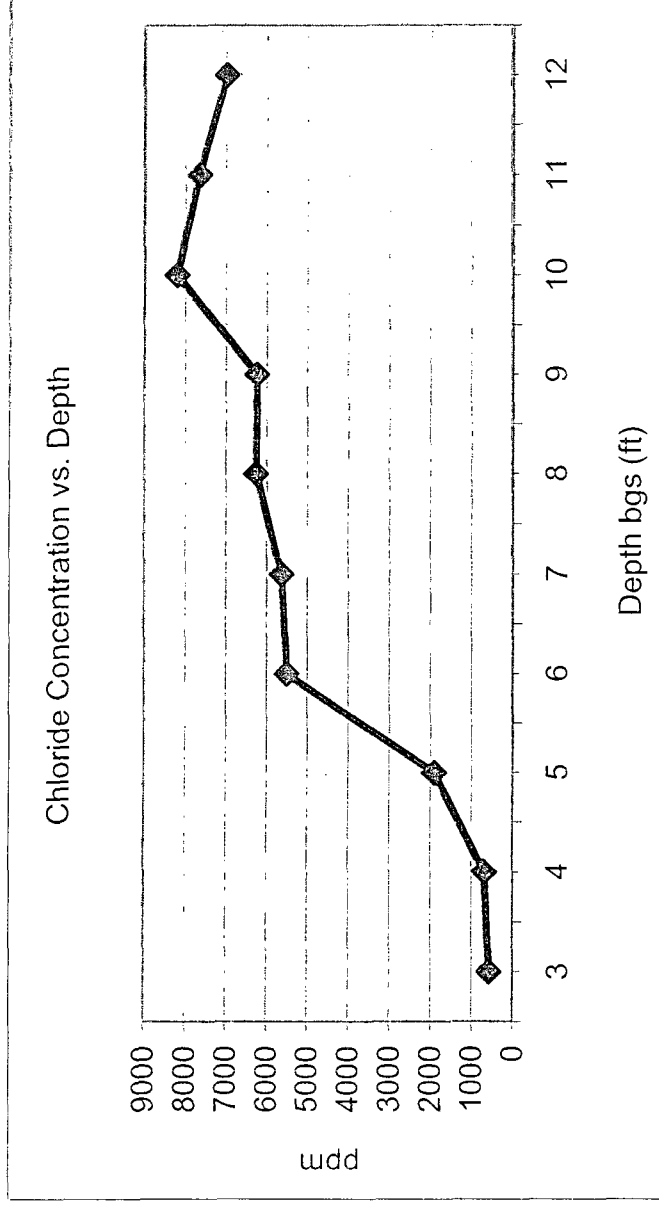
6-18-09

Vacuum Jct. K-28-1

Unit 'K', Sec. 28, T17S, R35E

Soil Boring samples at the junction (source)

Depth bgs (ft)	Cl ppm
3	581
4	688
5	1906
6	5498
7	5628
8	6249
9	6224
10	8182
11	7635
12	6958



Groundwater = 68 ft