1R - 425-86

REPORTS

DATE:

11-19-09

IR425-86

Vacuum K-28-2 Vent
2009

RECEIVED
APR - 6 2009
Environmental Bureau
Oil Conservation Division

DISCLOSURE

RECEIVED
APR - 6 2010
Environmental Bureau
Oil Conservation Division

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	K-28-2 vent	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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SB #1 12' GRAB	0.8	<10.0	<10.0	5,440

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6	183
vertical delineation at the junction (source)	5'	232
	6'	634
	7'	1,250
	8'	1,883
	9'	3,136
	10'	4,504
	11'	5,049
	12'	4,171

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 that did not relent with depth. 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 K-28-2 vent

Unit K, Section 28, T17S, R35E

backfilling the former junction box prior to drilling 5/29/2009

drilling SB #1 at the former junction box site 6/18/2009

collecting a soil sample from SB #1 6/18/2009

plugging SB #1 with bentonite 6/18/2009

CARDINAL LABORATORIES

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

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

COPY

Receiving Date: 06/19/09
Reporting Date: 06/22/09
Project Number: NOT GIVEN
Project Name: VACUUM JCT K-28-2 VENT
Project Location: VACUUM JCT K-28-2 VENT

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_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		06/20/09	06/20/09	06/19/09
H17669-1	SB #1 @ 12FT	<10.0	<10.0	5,440
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; Cl: Std. Methods 4500-Cl B
*Analysis performed on a 1:4 w:v aqueous extract. Reported on wet weight.

Chemist

06/23/09
Date

H17669 TOL RICE

CARDINAL LABORATORIES

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

Company Name:	Rice Operating
Project Manager:	
Address:	122 W TAYLOR
City:	HOBBS State: NM Zip: 88240
Phone #:	393-9174 Fax #:
Project #:	Project Owner:
Project Name:	Vacuum Jct K-28-2 Vent
Project Location:	Vacuum Jct K-28-2 Vent
Sampler Name:	JORDAN WOODFIN

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH 8015m
H17669-1	SB#1@12'	G	1			X					X		6-19-09	12:30p	X	X

COPY

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 the client for the 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 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.

Relinquished By: Bruce Baker	Date: 6/19/09 Time: 1:19pm	Received By: Misty Beard
Relinquished By:	Date: Time:	Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool / Intact — ☑ Yes ☑ Yes / ☐ No ☐ No

CHECKED BY: (Initials) MDB

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Email Results to
BBAKER@RICESWD.com
JPURVIS@RICESWD.com

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

RICE OPERATING COMPANY

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

Check Model Number:

✓	Model: PGM 7300	Serial No: 590-000183			Model: PGM 7600	Serial No: 110-023920
	Model: PGM 7300	Serial No: 590-000508			Model: PGM 7600	Serial No: 110-013744
	Model: PGM 7300	Serial No: 590-000504			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: 102

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	Vent K-28-2	K	28	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
5'	9.3	Background	
6'	1.2	6"	0.1
7'	0.9		
8'	2.2		
9'	3.1		
10'	4.1		
11'	2.6		
12'	0.9		

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

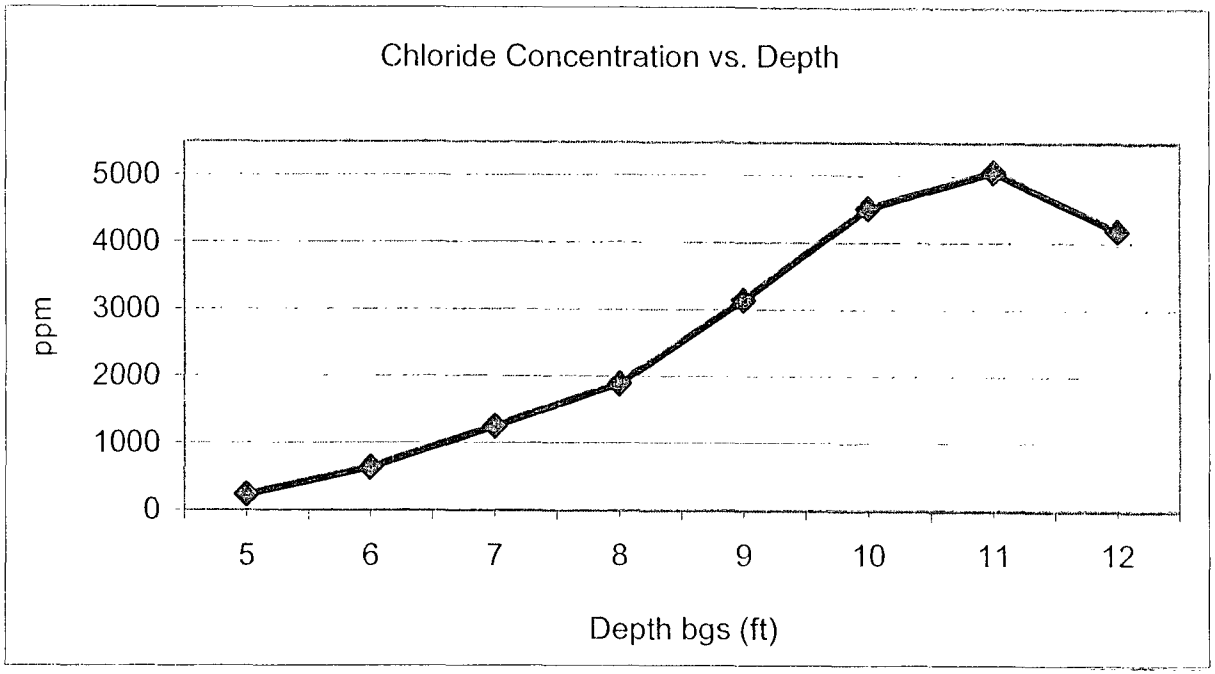
SIGNATUE: Jordan Wood DATE: 6-18-09

Vacuum K-28-2 vent

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

Soil Boring samples at the junction (source)

Depth bgs (ft)	[Cl-] ppm
5	232
6	634
7	1,250
8	1,883
9	3,136
10	4,504
11	5,049
12	4,171



Groundwater = 68 ft