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# REPORTS

## DATE:

12-16-08

#### Vacuum G-28 Vent

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### 18425-65

RECEIVED

MAR 2.5 2000 Environmental Bureau Oil Conservation Division

## DISCLOSURE

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

				BOX LOCA	TION				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX D	<b>MENSIONS</b>	- FEET
	0.00	G		17S	255	1	Length	Width	Depth
Vacuum	G-28 vent	G	28	1/5	35E	Lea	no box; s	system aban	donment
LAND TYPE:	BLM	STATE X	FEE LAI	NDOWNER					
Depth to Grou	ndwater	70	feet	NMOCE	SITE ASS	ESSMENT	RANKING S		10
Date Started	8/6/2	2007	Date Cor	mpleted	4/2/2008	OCD V	Vitness	no	
Soil Excavated	178	cubic yar	ds Exc	cavation Le	ngth20	Width	20	Depth	<u>12</u> fe
Soil Disposed	0	cubic yar	ds Off	fsite Facility	n	/a	Location	r	n/a
AL ANALYT	ICAL RE	SULTS:	Sample	Date	3/7/2008	3	Sample Der	oth	12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

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Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	9,040
BOTTOM COMP.	0.0	<10.0	<10.0	8,000
BACKFILL COMP.	0.0	<10.0	<10.0	6,880

#### **General Description of Remedial Action:** This junction box was addressed under the Vacuum SWD System abandonment. After the former junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded elevated chloride concentrations that did not relent with depth. Organic vapors were measured using a PID, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH confirming elevated chloride concentrations. The excavated soil was returned to the excavation up to 4 ft below ground surface (BGS). At 4-ft deep self was excavated extending 10 ft out from the north, south, east, and west walls to prepare for the surface for a geosynthetic liner. At 4 ft BGS, the geosynthetic liner was installed with 6 inches of

#### CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	9,298
bottom comp.	12'	8,807
backfill comp.	n/a	6,300
background	6"	250
	3'	1,448
	4'	1,678
	5'	1,836
vertical delineation	6'	3,652
trench at 5 ft	7'	4,449
east of the	8'	4,467
junction (source)	9'	6,734
(	10'	9,852
	11'	11,176
	12'	12,472

clean blow sand for padding above and below the liner. The remaining fill was returned to the excavation. Clean soil was imported and used as a top cap and to contour the site to the surrounding area. An identification plate was placed on the surface at the former junction box site

to mark the presence of the geosynthetic liner below. NMOCD was notified of potential groundwater impact on 12/1/2008.

#### ADDITIONAL EVALUATION IS MEDIUM PRIORITY

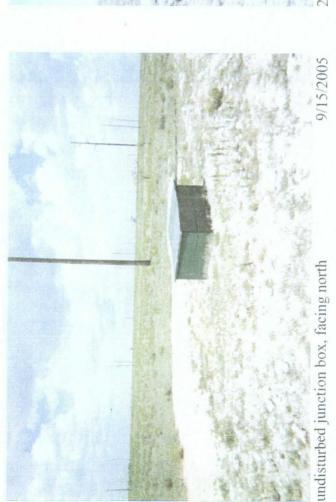
enclosures: photos, lab results, PID field screenings, cross-section, chloride curve

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

SITE SUPERVISOR	Roy Rascon	SIGNATURE		not available	COMPANY	RICE OPERATING COMPANY
REPORT ASSEMBLED BY	Katie Jones		KJ			
PROJECT LEADER	Larry Bruce Baker Jr.	SIGNATURE	Larry.	Bruce Bacher Jr.	DATE_	12-16-08

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

Vacuum G-28 vent Unit G, Section 28, T17S, R35E





Page 1 of 2



backfilled excavation, facing west

4/2/2008

geosynthetic liner marker

4/2/2008



ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY R. RASCON 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 03/07/08 Reporting Date: 03/10/08 Project Owner: NOT GIVEN Project Name: VAC, VENT G-28 Project Location: NOT GIVEN



Sampling Date: 03/07/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: CK/HM

		GRO	DRO	
		(C <sub>6</sub> -C <sub>13</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBE	ER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS	DATE	03/07/08	03/07/03	03/09/07
H14404-1	5 PT BTTM. COMP. @ 12 BGS	< 10.0	<10.0	000,8
H14404-2	4 WALL COMP. @ 20X20	<10.0	<10.0	9,040
H14404-3	5 PT BLENDED BACKFILL	<10.0	<10.0	6,880
Quality Cont	· · · · · · · · · · · · · · · · · · ·	418	470	490
True Value (	A REPORT AND A REPORT	500	500	500
% Recovery		83.6	94.0	98.0
Relative Per	cent Difference	6.4	2.7	<0.1

METHODS: TPH GRO & DRO / EPA/SW-846 8015 M; CI: Sid, Methods 4500-CI'B \*Analyses performed on 1:4 w:v aqueous extracts.

6.11 Chemist

<u>6 5770, 6</u>7 Date

#### H14404TOL RICE

PLEASE MOTE: Liability and Damages. Cardinal's tablety and cleant's codusive remedy for any clean ansing, whether based in occuraci or fort, shall be immedite the amount past by cleant for analyses. All damas including those for negligence and any other cause whatsoever shall be deeped weived unless made in writing and received by Cardinal within thirty (30) days after compretion of the applicable service. In ne event shall Cardinal within thirty (30) days after compretion of the applicable service in ne event shall Cardinal within the to incidental or consequential datages indicating, without limitation, business interruptanes, loss or use is loss of profiles incurred by client, its subsidiaries, infinites or successors analy out of or related to the percomprise horizonteer by Cardinal, regardless or whether such charts based upon any of the above-stated reasons or otherwise. Results relate the low to be appreciated exceed to the percomprise or advised exceeded with written approval of Cardinal Laborationias.

A ARDINAL LABORATORIES

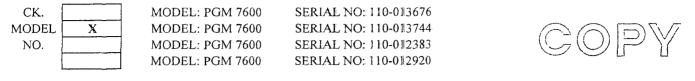
CHAIN-OF-CUSTOUY AND ANALYSIS REQUEST

Company Name: RICE OPERATING CO Project Manuger: ROV R. RASCON	170/-C/0(C7C)	0767-666 (enc)				P. O. H	P.O.	0.#		BILL TOS					ANA	ANALYSIS		REQUEST				
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City: 110BBS	State: NM	Zip: 88240	240	:			Aitn:	Ë				-						<u></u>				
Phone #: (505) 393-9174	74 Fax #: (505) 397-1471	1471		r	,	1	Ϋ́Ϋ́	Address:						<del></del>			-					
Project #:	Project Owner:	1	;		ł		City:														-	
Project Name: VAC	VAC VENT G-28	1					State:	ie:		Zip:												
Project Location:							Phe	Phone #:														
Sampler Name: ROY R. RASCON	R, RASCON						Rax #:	÷#				•••••							فلمت فالتعاوير			
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FOR LAB USE ONLY LAB ID#	saanle lid.	# CONTAINERS (G)RAB OR (C)OM	SROUNDWATTER	WASTEWATER	TIOS	RUUDGE DIT	: Aəhtc	ACID/BASE:		DATIE :	TIME	ITTH 8015 M	cr-	BTEX								
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PLEASE NOTE: Linh analyses, All claims inc service. In no event sha	PLEASE NOTE: Lubbluy and Damages. Cardinal's fability and client's exclusive remedy for any clum arising whether based in contract or tort, shall be funded to the autount oned by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed vaived unless made in writing and received by Cardinal verting those of any other consolection of the appricable service. In 10 event shall be faint or the approximation of the appricable service. In 10 event shall be faint on the subscript of the approximation of the approximat	d chent cause concent	eres areas	clust coev	s a se Se se se Se se se	nedv Shudin	deen a	ihout thout	Limite California	arisine whether d unless made tation, business	r based in co in writing an s interruption	ntract ( Id rece ns, loss	or tort, s ived by of use.	Cardina Cardina or tess	innied te d within of profits	) the au 30 day 5 incurr	s after o	onid by comole client, it	the chen tion of the is subsid	t for the he applie inrics.	anbje.	
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Delivered By: (Circle One) Sumpler JUPS - Aus - Other:	e Óile)			Cool	No.	Sample Condition Cool Intact Ves Cres		·	<b>Mar</b>	CHECKED RV: Anitiats) ABB				<b>.</b>	rrascon@rtccswa.com	u)	CCSWC	1.com	-			

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

#### RICE OPERATING COMPANY

#### 122 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



#### GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

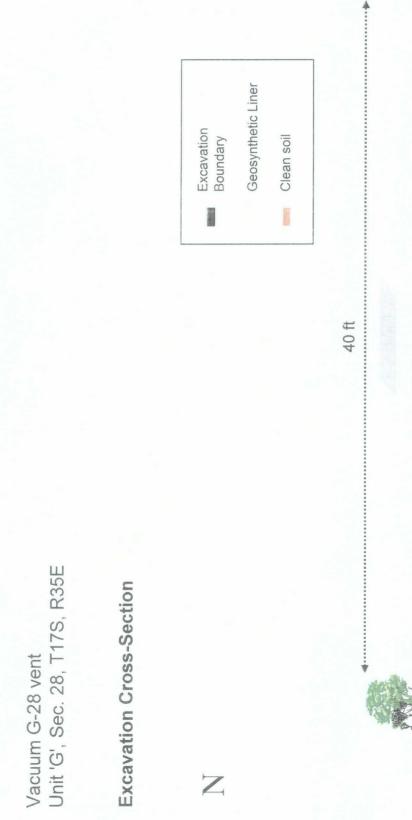
SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	G-28	G	28	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
FINAL SAMPLES	0		
N WALL @ 10'	0		
S WALL @ 10'	0		
E WALL @ 10'	0		
W WALL @ 10'	0	·····	
5 PT BOTTOM COMP @ 12'BGS	0		
4WALL COMP @ 20X20	0		
BLENDED BACKFILL	0		
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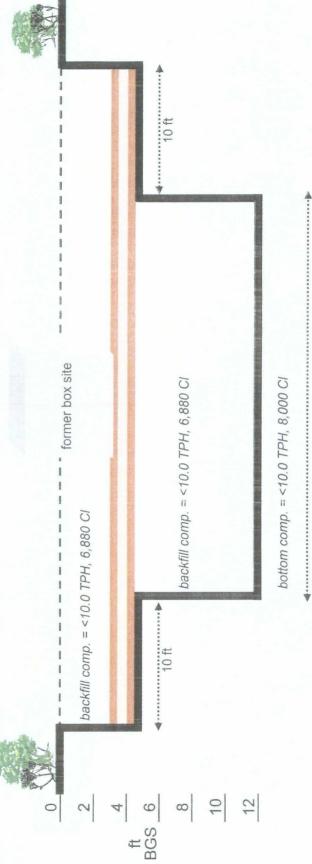
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

En K. Ppscon SIGNATURE:

DATE: 3-7-08



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CHLORIDE CONCENTRATION CURVE

RICE Operating Company

# **Vacuum G-28 vent** Unit 'G', Sec. 28, T17S, R35E

Backhoe samples at 5 ft east of the junction (source)

[Cl <sup>-</sup> ] ppm 1,448	1,678	1,836	3,652	4,449	4,467	6,734	9,852	11,176	12,472
Depth bgs (ft) 3	4	5	6	7	8	6	10	11	12



