## 1R-425-57

### REPORTS

DATE:

12-8-08

#### Vacuum N-33 Vent

18425-57

RECEIVED

MAR 2.5 2009

Environmental Bureau
Oil Conservation Division

## CLOSURE

#### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

**BOX LOCATION** 

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	POV DI	MENSIONS - FI	
Vacuum	N-33 vent	N	33	17S	35E	Lea	Length	Width	Depth
<u> </u>	1 .		<u> </u>	1	l	<u> </u>	no box; s	system abandon	nent
LAND TYPE:	BLM	STATE X	FEE LAI	NDOWNER		·	OTHER		
Depth to Grou	ındwater	60	feet	NMOCE	SITE ASS	ESSMENT	RANKING S	CORE:	20
Date Started	d 9/21/	2007	Date Cor	mpleted	5/22/2008	OCD	Witness	no	
Soil Excavated	d7	cubic ya	rds Exc	avation Le	ngth 5	Width	3	Depth 1	2feet
Soil Disposed	d <u>n/a</u>	cubic ya	rds Off	site Facility	n	/a	Location	n/a	
INAL ANALYT	TICAL RE	SULTS:	Samp	le Date	4/7/200	3	Sample Dej	oth	12 ft
PH and Chloride la testir	aboratory tesi ng procedure			•	oroved lab a	and	CHLOR	IDE FIELD TE	ESTS
Sample	PID (fie	′ 1	RO g/kg	DRO mg/kg	Chloride mg/kg		OCATION	DEPTH	mg/k
Location	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
		<1	10.0	<10.0	160	Sou	rce lab sample 4/7/2008	12'	154
		<1	10.0	<10.0	160			12' 6"	
SOURCE 12' GRA	AB 0.0			· .		b	4/7/2008 ackground		179
SOURCE 12' GRA	AB 0.0	al Action:	This junction	was eliminat	ted during the	b	4/7/2008	6"	179 252
SOURCE 12' GRA	n of Remedi	al Action:	This junction	was eliminat	ted during the	<u>b</u>	4/7/2008 ackground vertical lelineation ench at the	6" 8'	179 252 133
SOURCE 12' GRA eneral Description cuum SWD system estigation was condi	n of Remediabandonmentucted using a	al Action:  t. After the foundation to expect the expect the foundation to expect the foundation	This junction ormer junction collect soil sa	was eliminal n box was rei mples at regi	ted during the moved, an ular intervals	b.	4/7/2008 ackground vertical lelineation ench at the junction	6" 8' 9'	179 252 133 94
eneral Description cuum SWD system estigation was conducted a 5x3x12-ft-o	n of Remedi abandonment ucted using a deep excavati	al Action:  t. After the found the backhoe to compare the compare	This junction ormer junction collect soil sai ta suggest the	was eliminat n box was rei mples at regu e site is low ir	ted during the moved, an ular intervals n organic	b.	4/7/2008 ackground vertical lelineation ench at the	6" 8' 9' 10'	179 252 133 94 125
neral Description cuum SWD system estigation was conducing a 5x3x12-ft-coors, and chloride co	n of Remediabandonmeniaucted using a deep excavationcentrations	al Action:  t. After the found backhoe to con. Field danger similar to	This junction ormer junction collect soil salta suggest the that of the b	was eliminal n box was rei mples at regi e site is low ir ackground sa	ted during the moved, an ular intervals n organic ample. On	b c tro	4/7/2008 ackground vertical lelineation ench at the junction	6" 8' 9' 10' 11'	179 252 133 94 125
eneral Description cuum SWD system estigation was conducting a 5x3x12-ft-coors, and chloride coors, the deepest	n of Remediabandonmentucted using a deep excavation oncentrations sample (12 ft	al Action:  t. After the found backhoe to compone Field data are similar to BGS) was s	This junction ormer junction collect soil sate a suggest the orthat of the bent to a comme	was eliminal n box was rei mples at regule site is low in ackground sa mercial labora	ted during the moved, an ular intervals n organic ample. On atory for anal	b c tro	4/7/2008 ackground vertical lelineation ench at the junction (source)	6" 8' 9' 10' 11' 12'	179 252 133 94 125 114
neral Description cuum SWD system estigation was conduducing a 5x3x12-ft-cors, and chloride co //2008, the deepest	n of Remediabandonmeniaucted using a deep excavationcentrations sample (12 ft confirming low	al Action:  t. After the found backhoe to con. Field da are similar to BGS) was seconcentration	This junction ormer junction collect soil salta suggest the other than of the bent to a communs. Clean, im	was eliminal n box was rei mples at regu e site is low in ackground sa mercial labora aported soil w	ted during the moved, an ular intervals n organic ample. On atory for analyss used to be	b tro	4/7/2008 ackground vertical lelineation ench at the junction (source)	6" 8' 9' 10' 11' 12'	
eneral Description cuum SWD system estigation was conducting a 5x3x12-ft-coors, and chloride coors, the deepest chloride and TPH, coes site to the surround	n of Remediabandonmentucted using a deep excavation oncentrations sample (12 ft onfirming loweding area. On	al Action:  t. After the foundation. Field data are similar to BGS) was succentration 5/22/2008, to	This junction ormer junction collect soil salta suggest the other than of the bent to a communs. Clean, im	was eliminal n box was rei mples at regu e site is low in ackground sa mercial labora aported soil w	ted during the moved, an ular intervals n organic ample. On atory for analyss used to be	b tro	4/7/2008 ackground vertical lelineation ench at the junction (source)	6" 8' 9' 10' 11' 12'	179 252 133 94 125 114
eneral Description cuum SWD system estigation was conducing a 5x3x12-ft-coors, and chloride coors, the deepest chloride and TPH, cors site to the surround	n of Remediabandonmentucted using a deep excavation oncentrations sample (12 ft onfirming loweding area. On	al Action:  t. After the foundation. Field data are similar to BGS) was succentration 5/22/2008, to	This junction ormer junction collect soil salta suggest the other than of the bent to a communs. Clean, im	was eliminal n box was rei mples at regu e site is low in ackground sa mercial labora aported soil w	ted during the moved, an ular intervals norganic ample. On atory for analyas used to be a blend of response to the second	bysis ackfill the expanding vegeta	4/7/2008 ackground vertical lelineation ench at the junction (source) cavation to gro	6" 8' 9' 10' 11' 12'	179 252 133 94 125 114
eneral Description cuum SWD system estigation was conducing a 5x3x12-ft-coors, and chloride coors, the deepest chloride and TPH, coesite to the surround	n of Remediabandonmentucted using a deep excavation oncentrations sample (12 ft onfirming loweding area. On	al Action:  t. After the foundation. Field data are similar to BGS) was succentration 5/22/2008, to	This junction ormer junction collect soil salta suggest the other than of the bent to a communs. Clean, im	was eliminal n box was rei mples at regu e site is low in ackground sa mercial labora aported soil w	ted during the moved, an ular intervals norganic ample. On atory for analyas used to be a blend of response to the second	bysis ackfill the expanding vegeta	4/7/2008 ackground vertical lelineation ench at the junction (source) cavation to gro	6" 8' 9' 10' 11' 12'  Dund surface a pected to return	179 252 133 94 125 114
eneral Description cuum SWD system estigation was conducting a 5x3x12-ft-coors, and chloride coors, and chloride and TPH, coors estite to the surround eductive capacity at a	n of Remediabandonmentucted using a deep excavation oncentrations sample (12 ft onfirming low ding area. On a normal rate.	al Action:  t. After the founce to expend the following terms of the	This junction ormer junction collect soil sat ta suggest the or that of the beent to a commens. Clean, important the site was recommended.	was eliminal n box was rei mples at regu e site is low in ackground sa mercial labora ported soil w e-seeded with	ted during the moved, an ular intervals in organic ample. On atory for analyas used to be a blend of the enclose	ysis ackfill the ex native vegeta	4/7/2008 ackground vertical lelineation ench at the junction (source)  cavation to gro ation and is ex	6" 8' 9' 10' 11' 12'  Dund surface a pected to return	179 252 133 94 125 114 and to conto
eneral Description of the court	n of Remediabandonment ucted using a deep excavation oncentrations sample (12 ft onfirming low ding area. On a normal rate.	al Action: t. After the founce to construct the founce of	This junction ormer junction collect soil sat ta suggest the or that of the beent to a commens. Clean, important the site was recommended.	was eliminal n box was rer mples at regular e site is low in ackground sa mercial labora sported soil was e-seeded with	ted during the moved, an ular intervals in organic ample. On atory for analyas used to be a blend of the enclose	ysis ackfill the ex native vegeta	4/7/2008 ackground vertical lelineation ench at the junction (source)  cavation to gro ation and is exp	6" 8' 9' 10' 11' 12'  Dund surface a pected to return	179 252 133 94 125 114 and to conto
eneral Description reuum SWD system restigation was conducted as 5x3x12-ft-copors, and chloride copors, and chloride and TPH, coportion as site to the surround aductive capacity at a second color.	n of Remediabandonmeniacted using a deep excavation concentrations sample (12 ft confirming lowed ding area. On a normal rate.  BY CERTIFY  Roy Rasco	al Action:  t. After the fideckhoe to con. Field date are similar to BGS) was seconcentration 5/22/2008, to THAT THE	This junction ormer junction collect soil sat ta suggest the potent to a commens. Clean, important the site was recommended.	was eliminal n box was rer mples at regular e site is low in ackground sa mercial labora sported soil was e-seeded with	ted during the moved, an ular intervals in organic ample. On atory for analyas used to be a blend of recognition of the modes.  E IS TRUE AND BELIEI	ysis ackfill the ex native vegeta	4/7/2008 ackground vertical lelineation ench at the junction (source)  cavation to gro ation and is exp	6" 8' 9' 10' 11' 12'  Dund surface a pected to return ID screenings,	179 252 133 94 125 114 and to conto

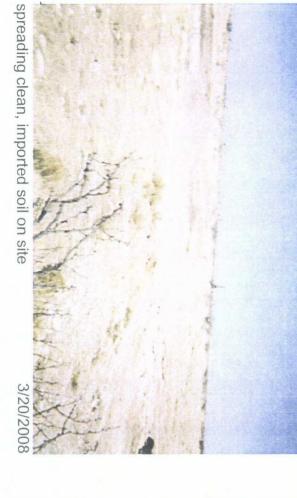
## Vacuum N-33 vent



undisturbed junction box, facing north



10/31/2005



Unit N, Section 33, T17S, R35E

delineation trench at former junction site 2/08/2008



seeding backfilled site



ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY R. RASCON

122 W. TAYLOR HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 04/08/08 Reporting Date: 04/09/08

Project Owner: NOT GIVEN
Project Name: VAC. VENT N-33
Project Location: NOT GIVEN

COPY

Sampling Date: 04/07/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: CK/KS

	GRO	DRO	
	$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	04/08/08	04/08/08	04/08/08
H14594-1 VERT @ SOURCE @ 12'BGS	<10.0	<10.0	160
Quality Control	442	545	490
True Value QC	500	500	500
% Recovery	88.4	109	98.0
Relative Percent Difference	5.0	5.6	<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.

RECEIVED

APR 14 2008

RICE OPERATING HOBBS, NM

Date

H14594TCL RICE



2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(325) 673-7001 FAX (325)673-7020 (505) 393-2326 FAX (505) 393-2476 ON DIVITY GRAD TOTAL

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Project Manager	Project Manager: ROY R. RASCON								P.O. #:	#.				$\vdash$							Γ					T
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"LEASE NOTE: malvses. All claim	PLASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the unalyses. All claims including those for negligence and any other cause whatsprover shall be absenced by Cardinal within 20 does for negligence and any other cause whatsprover shall be absenced by Cardinal within 20 does for negligence and any other cause whatsprover shall be absenced by Cardinal within 20 does for negligence and any other cause whatsprover shall be absenced by Cardinal within 20 does for negligence and any other cause whatsprover shall be absenced by Cardinal within 20 does for negligence and any other cause whatsprover shall be absenced by the client for the cause of the c	ty and control	lient	t's ex	sclus itsoe	ive r	eme	dv fc he d	T am	cla	IIII ai	rising wi	ether based in	n contra	ict or tort	shall	e limite	ed to the	amour	nt paid	by the	client fo	or the	1		1

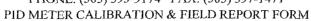
Add'l Phone #: Add'l Fax #: 8 2 2

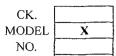
REMARKS: PLEASE E-MAIL TO jpurvis & Phone Result: Fax Result: CHECKED BY: Sample Condition
Cool Intact Received By: Tim6:849 Time: Sampler JUPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

rrascon@riceswd.com

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#### 122 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471





MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 110-013676 SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-012383

MODEL: PGM 7600

SERIAL NO: 110-012920

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	VENT N-33	N	33	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
VERT @ SOURCE @ 1'			
2'			
3'			
4'			
5'			
6'			
7'			
8'			
91			
10'			
11'			
LAB SAMPLE 12'	0		

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

SIGNATURE: Kay R. RASCON

DATE: 4-7-08

# Vacuum N-33 vent

Unit 'N', Sec. 33, T17S, R35E

Backhoe samples at junction (source)

[OI] ppm	252	133	64	125	114
Depth bas (ft)	8	6	10	11	12

Groundwater = 60 ft

