1R-425-102

REPORTS

DATE: 3-30-1/

/R425-102

Vacuum J-33 EOL

;

2010



APR - 1 2011

Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

CLOSURE

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOCA	TION					
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DI	MENSIONS	S - FEET	
	1 22 501		22	470	255	1.00	Length	Width	Dep	th
Vacuum	J-33 EUL	J	33	1/5	JOE	Lea		eliminated		
LAND TYPE: I	3LM ndwater	STATE X 61'	FEE LA feet	NDOWNER	D SITE AS	SESSMENT	OTHER_	CORE:	20	
Date Started	7/19/	2010	Date Co	mpleted	9/2/2010		Vitness	n	0	
Soil Excavated	100.0	cubic yar	ds Ex	cavation Ler	ngth <u>15</u>	Width	15	Depth	12	_feet
Soil Disposed	72	cubic yar	ds Of	ffsite Facility	Surio	lance	Location	Eun	ice, NM	

FINAL ANALYTICAL RESULTS:

Sample Date 7/28/2010, 8/31/2010

12 ft

Sample Depth

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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.9	<10.0	<10.0	1,340
BOTTOM COMP.	0.4	<10.0	14.9	416
BLENDED BACKFILL	N/A	<10.0	174	832
BLENDED BACKFILL W/ IMPORTED SOIL	2.7	<10.0	<10.0	416

General Description of Remedial Action:

This junction box was addressed during

the Vacuum SWD System abandonment. An investigation was conducted at the former junction box using a backhoe to collect soil samples at regular intervals creating a 15x15x12-ft. deep excavation. Chloride field tests were performed on each sample which yielded relatively low concentrations. Organic vapors were measured using a

PID, which yielded low concentrations. The excavated soil was blended on site and

representative samples were collected from the blended backfill, the bottom of the

excavation, and excavation walls. The representative samples were sent to a commercial laboratory for analysis of chloride and

TPH. The blended backfill was returned to the excavation and contoured to the surrounding area. On 9/10/2010, 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) screenings, chloride curve

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

SITE SUPERVISOR	Gerardo Martinez	_SIGNATURE _		Not Avail	able	COMPANY	RICE OPERATING COMPANY
REPORT ASSEMBLED BY	Larry Bruce Baker Jr.	INITIAL	LBB				
PROJECT LEADER	Larry Bruce Baker Jr.	SIGNATURE	Hany	Bruce	Bacher Jr.	DATE	3-30-11

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	882
bottom comp.	12'	285
blended backfill	n/a	550
background	6"	57
	2'	87
vertical	4'	89
delineation 10	6'	300
junction	8'	153
(source)	10'	142
	12'	85

Vacuum J-33 EOL



Unit J, Section 33, T17S, R35E









Loading contaminated soil



Analytical Results For:

Rice Operating Company Bruce Baker 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	07/29/2010	Sampling Date:	07/28/2010
Reported:	08/05/2010	Sampling Type:	Soil
Project Name:	VACUUM J-33 EOL 17/35	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	VACUUM J-33 EOL 17/35		

Sample ID: 5 PT BOTTOM COMP @ 12' (H020462-01)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/02/2010	ND	448	112	400	3.64	QM-05
TPH 8015M	mg/	′kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2010	ND	167	83.5	200	1.23	
DRO >C10-C28	14.9	10.0	08/04/2010	ND	160	80.2	200	0.545	
Surrogate: 1-Chlorooctane	83.4	% 70-130	1		- 7 <u>- 81 - 9</u> . L <u> 48 - 44 -</u> 7				
Surrogate: 1-Chloroociadecane	106	70-130)						

Sample ID: 4-WALL COMP (H020462-02)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: HM				<u></u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/02/2010	ND	448	112	400	3.64	QM-05
TPH 8015M	mg/	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2010	ND	167	83.5	200	1.23	
DRO >C10-C28	<10.0	10.0	08/04/2010	ND	160	80.2	200	0.545	
Surrogate: 1-Chlorooctane	90.4	% 70-13()						
Surrogate: 1-Chlorooctadecane	112 9	% 70-130)						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company Bruce Baker 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	07/29/2010	Sampling Date:	07/29/2010
Reported:	08/05/2010	Sampling Type:	Soil
Project Name:	VACUUM J-33 EOL 17/35	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	VACUUM J-33 EOL 17/35		
Project Name: Project Number: Project Location:	VACUUM J-33 EOL 17/35 NOT GIVEN VACUUM J-33 EOL 17/35	Sampling Condition: Sample Received By:	Cool & Intact Jodi Henson

Sample ID: BLENDED BACKFILL (H020462-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Reporting Limit Qualifier Result Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 832 16.0 08/02/2010 ND 448 112 400 QM-05 3.64 TPH 8015M mg/kg Analyzed By: AB Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery GRO C6-C10 <10.0 10.0 08/04/2010 ND 167 83.5 200 1.23 DRO >C10-C28 174 10.0 08/04/2010 ND 160 80.2 200 0.545 Surrogate: 1-Chlorooctane 87.9% 70-130 Surrogate: 1-Chlorooctadecane 116% 70-130

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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 Seria Model: PGM 7300 Seria Model: PGM 7300 Seria

Serial No: 590-000183 Serial No: 590-000508 Serial No: 590-000504 _____ Mo _____ Mo _____ Mo

Model: PGM 7600 Model: PGM 7600 Model: PGM 7600 Serial No: 110-023920 Serial No: 110-013744 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOTNO: 924503	EXPIRATION DATE: 7-05-2012
FILL DATE:	METER READING ACCURACY: 101 PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacuum	J-33 EOL	J	33	175	35 E

SAMPLE ID	PID	SAMPLE ID	PID
S-PT Bottom composit	6 0.4		
4- Well Composite	0.9		
		CODV	
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I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATUE: Gerardo Martinez

DATE: 7-28-10



Analytical Results For:

Rice Operating Company Bruce Baker 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

a.

Received:	08/31/2010	Sampling Date:	08/31/2010
Reported:	09/01/2010	Sampling Type:	Soil
Project Name:	VAC. J-33 EOL 17/35	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		
-			

Sample ID: BLENDED BACKFILL W/ IMPORTED SOIL (H020773-01)

Chloride, SM4500Ci-8	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/31/2010	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/01/2010	ND	163	81.7	200	2.10	
DRO >C10-C28	<10.0	10.0	09/01/2010	ND	181	90.7	200	4.83	
Surrogate: 1-Chlorooctane	80.7	% 70-130		1					
Surrogate: 1-Chlorooctadecane	86.1	% 70-130							

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Celey D. Keene, Lab Director/Quality Manager

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ARDINAL LABORATORIES	<u>CHAIN-OF-CUSTODY AND ANALYSIS REQ</u>	JEST
101 East Marland, Hobbs, NM 88240 2111 Beechwood (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 F	1, Abilene, TX 79603 -AX (325)673-7020	
Company Name: Nice Operative Company	ANALYSIS REQUEST	
troject Manager: タアレン Cuc Baker	P.O. #:	
Address: 122 ぜいでみりひょ	Company:	
clty: 1-50 6.65 State: 1944 Zip: 58 240	Attn:	
Phone #: 575 - 393- 9174 Fax #: 575-397- 1471	Address:	
Project #: Project Owner:	City:	
Project Name:	State: ZID:	
reject Location: Vac. J-33 Eal 17/35	Phone #;	
mpler Name: J. Gat 45	Fax #;	
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† Cardinal cannot accept verbal changes. Please fax written changes to	505-393-2476 & Sam lo 11 + Fallen & Low Mit to F	
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RICE OPERATING COMPANY

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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 Model: PGM 7600 Model: PGM 7600 Serial No: 110-023920 Serial No: 110-013744 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 929507	EXPIRATION DATE: $7 - 05 - 20/2$
FILL DATE:	METER READING ACCURACY: 100 PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
Vacum	J-33 ZOL	5		175	35 ZE

SAMPLE ID	PID	SAMPLE ID	PID
Blended Buckfill compos	A 2.7		
<i>/////////////////////////////////////</i>			
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I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATUE: Gerardo Martinez

DATE: 7-29-10

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

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Vacuum J-33 EOL

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

Backhoe samples at 10 ft South of the junction (source)

	87	68	300	153	142	85
Depth bgs (ft)	2	4	9	8	10	12



Groundwater = 61 ft