

1R - 425-102

REPORTS

DATE:

3-30-11

1R425-102

Vacuum J-33 EOL

2010

RECEIVED

APR - 1 2011

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

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	J-33 EOL	J	33	17S	35E	Lea	Length	Width	Depth
							eliminated		

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

Depth to Groundwater 61' feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 7/19/2010 Date Completed 9/2/2010 OCD Witness no

Soil Excavated 100.0 cubic yards Excavation Length 15 Width 15 Depth 12 feet

Soil Disposed 72 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 7/28/2010, 8/31/2010 Sample Depth 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.

CHLORIDE FIELD TESTS

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

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

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 Available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 3-30-11

Vacuum J-33 EOL

Unit J, Section 33, T17S, R35E



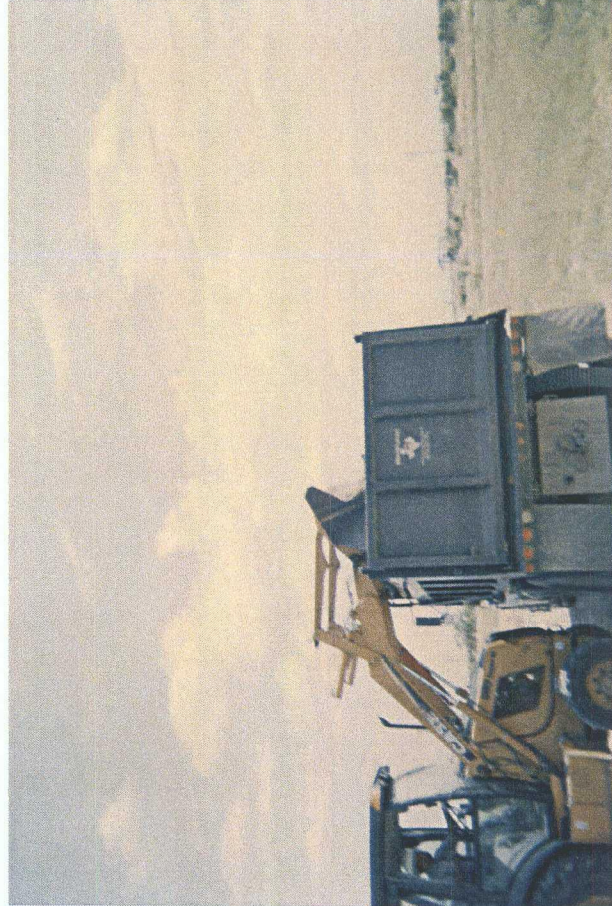
Digging initial delineation trench

7/19/2010



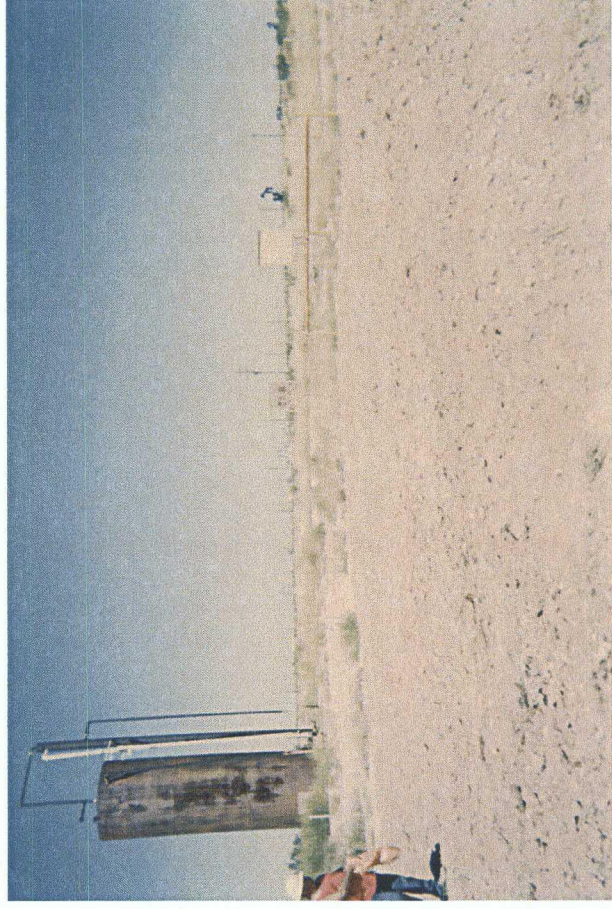
Collecting sample

7/19/2010



Loading contaminated soil

8/30/2010



Seeding excavation

9/10/2010

**Analytical Results For:**

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

Received: 07/29/2010
Reported: 08/05/2010
Project Name: VACUUM J-33 EOL 17/35
Project Number: NOT GIVEN
Project Location: VACUUM J-33 EOL 17/35

Sampling Date: 07/28/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

Chloride, SM4500Cl-B	mg/kg		Analyzed 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		Analyzed 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							
Surrogate: 1-Chlorooctadecane	106 %	70-130							

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

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
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		Analyzed 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 %	70-130							
Surrogate: 1-Chlorooctadecane	112 %	70-130							

Cardinal Laboratories

*=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
 Reported: 08/05/2010
 Project Name: VACUUM J-33 EOL 17/35
 Project Number: NOT GIVEN
 Project Location: VACUUM J-33 EOL 17/35

 Sampling Date: 07/29/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H020462-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/02/2010	ND	448	112	400	3.64	QM-05
TPH 8015M			mg/kg		Analyzed 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	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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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (326) 673-7001 FAX (326) 673-7020

0707031

P.O. #:

Gamparv:

Attire:

—

Cltv:

109

James M.

10

FOR LAB USE ONLY

PRESEN

Lab 10.

Sample I.D.

H20462-1	50T Bottom Comp 12'
----------	---------------------

24-wallcomp

3	Blended backfill
---	------------------

DATE	TIME
7-28-10	12:12
7-28-10	12:00
7-29-10	10:25

TPH 4015M
77

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Relinquished By:

1000

Opinion

How

Relinquished By:

Received By:

1961

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition	CHECKED BY:
------------------	-------------

Cool ~~Intact~~ ☒ Yes ☐ No

CHECKED BY:

(8) 10/1/14

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

REMARKS: E-Mail Results To

1. Transcript File Sup Doc

[illegible]

b. bauer

marked @ and and

Cardinal cannot accept verbal changes. Please fax written changes to 508-393-2476

RICE OPERATING COMPANY

122 West Taylor 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 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: 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	35E

SAMPLE ID	PID	SAMPLE ID	PID
S-PT Bottom Composite	0.4		
4- well composite	0.9		
		COPY	

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

SIGNATURE: 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

 Received: 08/31/2010
 Reported: 09/01/2010
 Project Name: VAC. J-33 EOL 17/35
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 08/31/2010
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

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

Chloride, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed 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							
Surrogate: 1-Chlorooctadecane	86.1 %	70-130							

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

RICE OPERATING COMPANY

122 West Taylor 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 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: <u>924507</u>	EXPIRATION DATE: <u>7-05-2012</u>
FILL DATE:	METER READING ACCURACY: <u>100 PPM</u>

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
<u>VACUUM</u>	<u>5-33 EOL</u>	<u>J</u>	<u>33</u>	<u>175</u>	<u>35 E</u>

SAMPLE ID	PID	SAMPLE ID	PID
<u>Blended Backfill composite 2.7</u>			

COPY

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

SIGNATURE: Gerardo Martinez

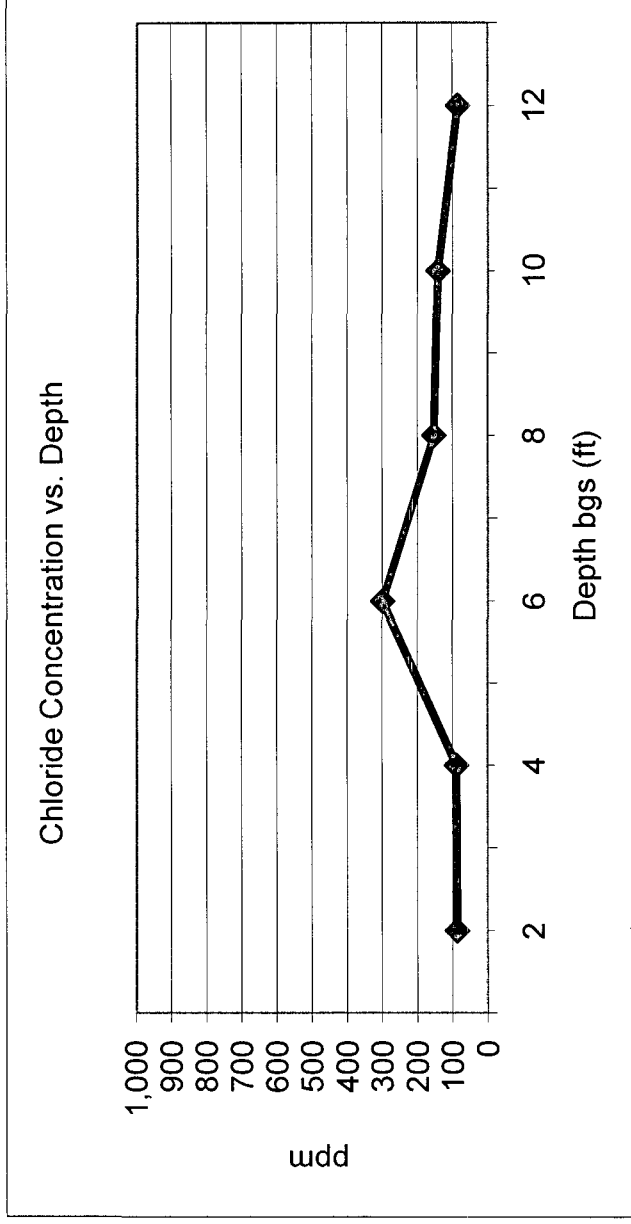
DATE: 7-29-10

Vacuum J-33 EOL

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

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

Depth bgs (ft)	Cl ppm
2	87
4	89
6	300
8	153
10	142
12	85



Groundwater = 61 ft