

1R – 427 - 122

REPORTS

DATE:

1-2-2001

427-122

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	V-5	V	5	21S	36E	LEA	Length 4'	Width 4'	Depth 3'

LAND TYPE: _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 150'-200' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 01/02/2001 Date Completed 01/02/2001 OCD Witness NONE

Soil Excavated 12 cubic yards Excavation legnth 8' Width 8' Depth 8' feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Disposal Facility location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date January 2, 2001 Sample Depth 8' bgs

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.002	<0.002	<0.002	<0.006	<50	95.6	596
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	1220	116

General Description of Remedial Action: The junction box was removed from the main line. The main line is still active. All impacted soil was hauled off to the Sundance disposal facility and replaced with clean backfill. A compact clay barrier was installed followed by a junction box then backfilled.
All results did not exceed the NMOCD guidelines. Natural attenuation will remediate the remaining hydrocarbons.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Cl
SIDEWALLS	4'-8' bgs	500 ppm
BOTTOM	8' bgs	75 ppm

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

DATE January 2, 2001 PRINTED NAME Chris Rodriguez

SIGNATURE Chris Rodriguez TITLE ENVIRONMENTAL TECHNICIAN



ARDINAL LABORATORIES

PHONE (915) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/02/01
Reporting Date: 01/04/01
Project Number: NOT GIVEN
Project Name: V-5 SIDES & BOTTOM
Project Location: ULV SECTION 5-T21-R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: B C
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		01/03/01	01/03/01	01/04/01
H5489-1	V-5 BOTTOM	<50	1220	116
H5489-2	V-5 SIDES	<50	95.6	596
Quality Control		891	957	1004
True Value QC		1000	1000	1000
% Recovery		89.1	95.7	100
Relative Percent Difference		3.5	5.3	7.2

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl⁻: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.

Burgess J. Cooke
Chemist

1/4/01
Date

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 client for 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 thirty (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.

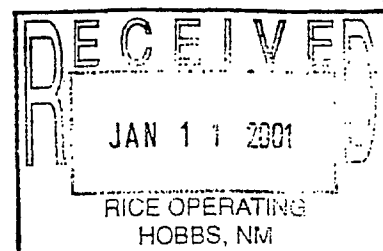


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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:



Receiving Date: 01/02/01
Reporting Date: 01/05/01
Project Number: V-5 SIDES AND BOTTOM
Project Name: V-5 SIDES AND BOTTOMS
Project Location: ULV SECTION 5 T21 R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: BC-HOBBS
Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/04/01	01/04/01	01/04/01	01/04/01
H5489-1	V-5 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5489-2	V-5 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent Difference		4.9	2.8	2.4	2.3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography


Chemist

1-5-01
Date

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H5489SHOBBSRICEBTEXONLY



CARDINAL LABORATORIES, INC.

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(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: <u>Rice Operating Company</u>		BILL TO ANALYSIS REQUEST									
Project Manager: <u>James Stegall</u>		P.O. #:		Company:							
Address: <u>122 W. Taylor</u>				Attn:							
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>							
Phone #: <u>3438174</u>		Fax #: <u>3438174</u>		Address:							
Project #: <u>V-5 sides and Bottoms</u>		Project Owner: <u>James Stegall</u>		City:							
Project Name: <u>V-5 Sides and Bottoms</u>		State: <u>NM</u>		Zip: <u>88240</u>							
Project Location: <u>UHV Section 5 T21 R36</u>		Phone #: <u>3438174</u>		Address:							
Sampler Name: <u>James Stegall</u>		Fax #: <u>3438174</u>		City:							
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING					
		# CONTAINERS		(G)RAB OR (C)OMP		GROUNDWATER		WASTEWATER		SLUDGE	
						CRUDE OIL		SOIL			
						ACID/BASE:		ICE / COOL		OTHER:	
						DATE		TIME			
Lab I.D.		Sample I.D.									
1584-1		V-5 Bottom				1/21/01					
-2		V-5 sides									

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Sampler Relinquished:		Received By:		Phone Result:		Add'l Phone #:	
Date:		Time:		Yes		No	
Relinquished By:		Relinquished By: (Lab Staff)		Fax Result:		Add'l Fax #:	
Date:		Time:		Yes		No	
<u>James Stegall</u>		<u>James Stegall</u>					
Delivered By: (Circle One)		Checked By: (Initials)					
Sampler - UPS - Bus - Other:		Sample Condition					
		Cool / Contact					
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

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

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NC 36866

LEASE OPERATOR/SHIPPER/COMPANY: *ACE*

LEASE NAME: *FAVE 3CT V-5*

692

TRANSPORTER COMPANY: *RXE*

TIME:

AM/PM

DATE: *1-23-01*

VEHICLE NO.: *1000*

DRIVER NO.:

CHARGE TO: *ACE*

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: *cutback*

VOLUME OF MATERIAL ☐ BBLS. _____ :

☒ YARD *12* :

☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *Luiss 029010*

(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*

(SIGNATURE)

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	V-5	V	5	21S	36E	LEA	Length 4'	Width 4'	Depth 3'

LAND TYPE: _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 150'-200' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 01/02/2001 Date Completed 01/02/2001 OCD Witness NONE

Soil Excavated 12 cubic yards Excavation Length 8' Width 8' Depth 5' feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Disposal Location E.M.E.

FINAL ANALYTICAL RESULTS: Sample Date 01/02/2001 Sample Depth 5' bgs

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.002	<0.002	<0.002	<0.006	<50	95.6	596
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	1220	116

General Description of Remedial Action: Jct box is gone off of the main line.

The main line is still active. All impacted soil was hauled off to Sundance Disposal Facility and replaced with clean backfill. A clay barrier was installed followed by water tight junction then backfilled. Results did not exceed the NMOCD guidelines.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Cl
SIDEWALLS	4'-8' bgs	500 ppm
BOTTOM	8' bgs	75 ppm

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

DATE 02-Jan-01 PRINTED NAME Chris Rodriguez
SIGNATURE Chris Rodriguez TITLE ENVIRONMENTAL TECHNICIAN



ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/02/01
Reporting Date: 01/04/01
Project Number: NOT GIVEN
Project Name: V-5 SIDES & BOTTOM
Project Location: ULV SECTION 5-T21-R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: B C
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE	01/03/01	01/03/01	01/04/01
H5489-1 V-5 BOTTOM	<50	1220	116
H5489-2 V-5 SIDES	<50	95.6	596
Quality Control	891	957	1004
True Value QC	1000	1000	1000
% Recovery	89.1	95.7	100
Relative Percent Difference	3.5	5.3	7.2

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

*Analyses performed on 1:4 w:v aqueous extracts.

Burgess J. Coker
Chemist

1/4/01
Date

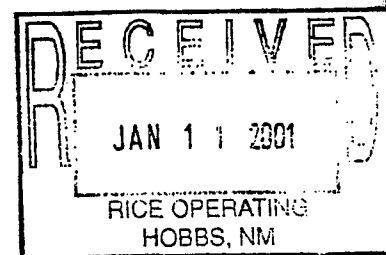
H5489A.XLS
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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/02/01
Reporting Date: 01/05/01
Project Number: V-5 SIDES AND BOTTOM
Project Name: V-5 SIDES AND BOTTOMS
Project Location: ULV SECTION 5 T21 R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: BC-HOBBS
Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/04/01	01/04/01	01/04/01	01/04/01
H5489-1	V-5 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5489-2	V-5 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent Difference		4.9	2.8	2.4	2.3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography


Chemist

1-5-01
Date

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Page of

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Sundance Services, Inc.P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NC 36866

LEASE OPERATOR/SHIPPER/COMPANY: ACELEASE NAME: EXPLORATION V-5 692TRANSPORTER COMPANY: RXE TIME: _____ AM/PMDATE: 1-23-01 VEHICLE NO.: 1000 DRIVER NO.: _____CHARGE TO: Rice**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☐ Contaminated soil☐ C-117 No.: _____☐ Other Material:☐ BS&W Content: _____Description: oilfieldVOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD 12 : ☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: LUIS GARCIA
(SIGNATURE)FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95