

1R - 426-86

REPORTS

DATE:

2/14/2001

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

426-86

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	CHRISTMAS	I	17	22S	37E	LEA	6'	5'	5'

LAND TYPE: BLM STATE FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 64-72 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 11-27-00 Date Completed 12-29-00 OCD Witness NONE

Soil Excavated 24 cubic yards Excavation Length 8' Width 10' Depth 14' feet

Soil Disposed 24 cubic yards Offsite Facility SUNDANCE Location EUNICE

FINAL ANALYTICAL RESULTS: Sample Date 12-18-00 Sample Depth 14'

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 ma/ka	Toluene ma/ka	Ethyl Benzene ma/ka	Total Xylenes ma/ka	GRO ma/ka	DRO ma/ka	Chlorides ma/ka
SIDEWALLS	<0.005	<0.005	<0.005	<0.015	<50	<50	1391
BOTTOM	<0.005	<0.005	<0.005	<0.015	<50	<50	1905

General Description of Remedial Action: _____
USING A BACKHOE REMOVED 24 CUBIC YARDS OF IMPACTED SOIL

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDE WALLS	4'	1200
BOTTOM	8'	5800
SIDEWALLS	6'	1250
BOTTOM	14'	1800

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

DATE FEBRUARY 14, 2001 PRINTED NAME JAMES STURGILL

SIGNATURE *James Sturgill* TITLE ENVIRONMENTAL TECHNICIAN



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

PHONE (505) 393-2326 • 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: 12/18/00
 Reporting Date: 12/19/00
 Project Number: NOT GIVEN
 Project Name: HENDRICK CHRISTMAS
 SIDE & BOTTOM
 Project Location: NOT GIVEN

Sampling Date: 12/18/00
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/18/00	12/18/00	12/18/00	12/18/00
H5446-1	SIDES	<0.005	<0.005	<0.005	<0.015
H5446-2	BOTTOM 14'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.095	0.101	0.098	0.298
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.2	101.0	98.3	99.2
Relative Percent Difference		5.5	8.9	4.0	4.4

METHOD: EPA SW-846 8260

Bryan J. Cook

 Chemist

12/19/00

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

Receiving Date: 12/18/00 Sampling Date: 12/18/00
 Reporting Date: 12/20/00 Sample Type: SOIL
 Project Number: NOT GIVEN Sample Condition: COOL & INTACT
 Project Name: HENDRICK CHRISTMAS Sample Received By: AH
 Analyzed By: BC/AH
 Project Location: NOT GIVEN SIDE & BOTTOM

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE	12/18/00	12/18/00	12/20/00
H5446-1 SIDES	<50	<50	1391
H5446-2 BOTTOM 14'	<50	<50	1905
Quality Control	744	773	932
True Value QC	800	800	1000
% Recovery	93.0	96.6	93.2
Relative Percent Difference	5.7	6.1	6.7

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

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

Bryson J. Cooke
 Chemist

12/20/00
 Date

H5446A.XLS

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CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name: <u>Rice Operating Co.</u>		P.O. #:		BILL TO		ANALYSIS REQUEST					
Project Manager: <u>James Sturgill</u>		Company:									
Address: <u>1322 W Taylor</u>		Attn:									
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>							
Phone #: <u>353 9174</u>		Fax #:									
Project #: <u>Head Rock Christy's</u>		City:									
Project Name: <u>Head Rock Christy's</u>		State:									
Project Location: <u>Siderhoff</u>		Phone #:									
Sampler Name: <u>James Sturgill</u>		Fax #:									
LAB USE ONLY											
Lab I.D. <u>Sample I.D.</u>		(G)RAB OR (C)OMP.									
<u>H5146-2</u>		# CONTAINERS									
<u>SIDES</u>		GROUNDWATER									
<u>BOTTOM 14'</u>		WASTEWATER									
		SOIL									
		CRUDE OIL									
		SLUDGE									
		OTHER:									
		ACID/BASE:									
		ICE/COOL									
		OTHER:									
		DATE									
		TIME									
		<u>9/11</u>									
		<u>11:15</u>									
		<u>8015m</u>									
		<u>P1</u>									
		<u>BTEX</u>									

PLEASE NOTE: Liability and Damages, Cardinal's liability and does not exclude remedy for any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for indirect 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 resulting from the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Invoices will be charged on all accounts more than 30 days past due at the rate of 2% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Delivered By: (Circle One)
 UPS - Bus - Other
 Sampler - UPS - Bus - Other

Relinquished By: _____ Date: _____ Time: _____
 Received By: (Lab Staff) _____
 Sample Condition Cool Yes No Yes No
 Intact Yes No Yes No

Checked By: (Initials) _____

REMARKS:

* 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 38736

LEASE OPERATOR/SHIPPER/COMPANY: Price Hendrix

LEASE NAME: FD-51D

TRANSPORTER COMPANY: D. J. Work

TIME: AM/PM

DATE: 1.17.01 VEHICLE NO.: 7-11

DRIVER NO.:

CHARGE TO: Dr

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:

- Drilling Fluids
- Contaminated soil
- BS&W Content: _____

- Completion Fluids
- C-117 No.: _____

Description: W/D

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: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

Sundance Services, Inc.

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

NE 38731

LEASE OPERATOR/SHIPPER/COMPANY: Rice Hendrix & Gas

LEASE NAME: B.D. SWD

TRANSPORTER COMPANY: West Valley

TIME:

AM/PM

DATE: 1-17-91

VEHICLE NO.: #11

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: oil blot

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.

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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: Robert Lewis

(SIGNATURE)

FACILITY REPRESENTATIVE: John F. Felt

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter

Revised 12/27/95

Field COPY

State of New Mexico
Environment Department
Radiation Licensing and Registration
P. O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-1557

JCT
(Hudox XMAS)

Temporary Job Site Notification Form

(Required BEFORE Work Begins)

Part I - Licensee Performing Job-Site Activity

Name: RICE OPERATING COMPANY License # NO338-02
Street Address: 122 WEST TAYLOR City: HOBBS
State: NEW MEXICO Zip: 88240 Phone: (505) 393-9174
FAX (505) 379-1471

Part II - Customer and Job Site Information

Name: RICE OPERATING COMPANY
Contact Person & Title: Scott Curtis R.S.O. Phone: (505) 393-9174

Job Site Location (give directions to site): UNIT LTR. I SEC. 17 T 22S R 37E.

ALL LOCATIONS ARE IN THE OILFIELD. CALL OUR OFFICE AND WE WILL TAKE YOU TO THE LOCATION.

Describe Site Specific Activity: REMOVE NORM FROM PIPELINE JUNCTION BOXES

Starting Date: 10-2000 Projected Completion: 12-2000

Local Ordinance or Permit Required? NO

Have they been obtained? _____ List: _____

Land owner State/Millard Deek

Part III - Storage

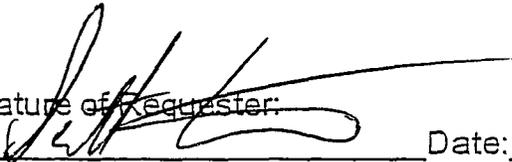
If storage site is different from the job site location give the location and directions to the site. (Attach a map if street address is not available).

NORM WILL BE STORED IN OUR N-18 SWD STORAGE AREA. NORM WILL BE SHIPPED TO DISPOSAL
IN ROLL OFF CONTAINERS.

Describe storage conditions. (Security, storage area construction, signs used and locations, etc.)

FENCED WITH LOCKED GATES. RADIATION STORAGE AREA SIGNS ON FENCE AND ALL GATES.
LOCATION IS IN A REMOTE AREA.

Signature of Requester:



Date:

10-4-00