

1R - 427 - 126

REPORTS

DATE:

2-14-2001

427-126

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	F-20	F	20	21	36E	LEA	Length 8	Width 8	Depth 6

LAND TYPE: BLM ☐ STATE ☒ FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 210' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9-26-00 Date Completed 12-5-00 OCD Witness NONE

Soil Excavated 12 cubic yards Excavation Length 10' Width 10' Depth 8 feet

Soil Disposed 12 cubic yards Offsite Facility SUNDANCE Location EUNICE

FINAL ANALYTICAL RESULTS: Sample Date 10-31-00 Sample Depth 10'

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	118	2480	214
BOTTOM	<0.005	<0.005	<0.005	<0.015	<50	1460	427

General Description of Remedial Action: _____

REMOVED 12 CUBIC YARDS OF CONTAMINATED SOIL

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	2'	250
BOTTOM	6'	350
SIDEWALLS	4'	200
BOTTOM	10'	350

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



ARDINAL LABORATORIES

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

PHONE (505) 393-2325 • 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: 10/31/00
Reporting Date: 11/01/00
Project Number: F-20 EME (RICE)
Project Name: F-20 BOTTOM EME
Project Location: F-20; SEC20-T21S-R36E

Sampling Date: 10/31/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		11/01/00	11/01/00	11/01/00	11/01/00
H5297-1	F-20 BOTTOM EME	<0.005	<0.005	<0.005	<0.015
H5297-2	F-20 SIDES EME	<0.005	<0.005	<0.005	<0.015
Quality Control		0.100	0.103	0.107	0.318
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	103	107	106
Relative Percent Difference		9.9	8.4	14.1	12.5

METHOD: EPA SW-846 8260

Burgess A. Cohen
Chemist

11/1/00
Date

H5297B.XLS

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 (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

Receiving Date: 10/31/00
Reporting Date: 11/01/00
Project Number: F-20 EME (RICE)
Project Name: F-20 BOTTOM EME
Project Location: F-20; SEC20-T21S-R36E

Sampling Date: 10/31/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
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)
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ANALYSIS DATE	10/31/00	10/31/00	11/01/00
H5297-1 F-20 BOTTOM EME	<50	1460	427
H5297-2 F-20 SIDES EME	118	2480	214
Quality Control	938	855	982
True Value QC	1000	1000	1000
% Recovery	93.8	85.5	98.2
Relative Percent Difference	11.0	0.3	2.9

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB
*Analyses performed on 1:4 w:v aqueous extracts

James Sturgill
Chemist

11/1/00
Date

H5297A.XLS

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

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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



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

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

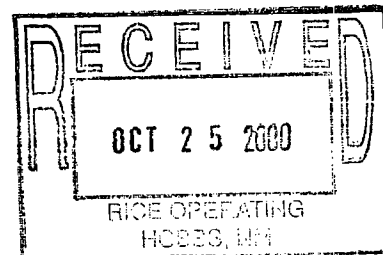
Receiving Date: 10/18/00
Reporting Date: 10/19/00
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: SEC 20-T22S-R36E

Sampling Date: 10/18/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
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)
		10/18/00	10/18/00	10/19/00
H5268-1	F-20 EME SIDE	<50	2390	320
H5268-2	F-20 EME BOTTOM	54.1	3520	442
Quality Control		1050	1020	1039
True Value QC		1000	1000	1000
% Recovery		105	102	104
Relative Percent Difference		3.7	1.6	1.3

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

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



Burgess A. Cash
Chemist

10/14/02
Date

H5268A.XLS

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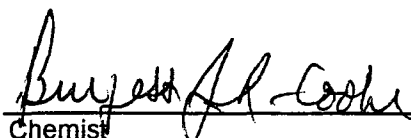
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RICE OPERATING CO.
ATTN: JIM STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 10/18/00
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Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: SEC 20-T22S-R36E

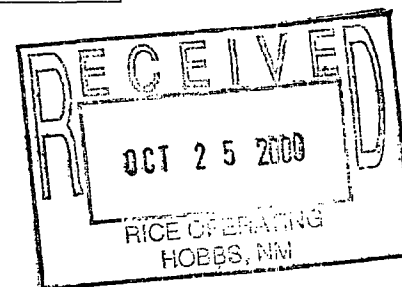
Sampling Date: 10/18/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/19/00	10/19/00	10/19/00	10/19/00
H5268-1	F-20 EME SIDE	0.011	0.030	0.006	0.017
H5268-2	F-20 EME BOTTOM	0.005	0.028	0.011	0.036
Quality Control		0.089	0.092	0.090	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		89.0	92.4	90.4	91.1
Relative Percent Difference		1.9	2.1	1.9	1.8

METHOD: EPA SW-846 8260


Chemist

10/19/00
Date



H5268B.XLS

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

Page ____ of ____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

+ 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

NE 36770

LEASE OPERATOR/SHIPPER/COMPANY: EMF

LEASE NAME: EMF F 20

692

TRANSPORTER COMPANY: Univac II

TIME: _____ AM/PM

DATE: 01/18/01 VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: 11/11

TYPE OF MATERIAL

☐ Production Water

☐ Drilling Fluids

☐ Completion Fluids

☐ Tank Bottoms

☐ Contaminated soil

☐ C-117 No.: _____

☐ Other Material:

☐ BS&W Content: _____

Description: C/O

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: Robert Lewis

(SIGNATURE)

FACILITY REPRESENTATIVE: Thomas Ford

(SIGNATURE)

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

Temporary Job Site Notification Form

(Required BEFORE Work Begins)

Part I - Licensee Performing Job-Site Activity

Name: RICE OPERATING COMPANY License # N0338-01
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: JOHN L. MOODY R.S.O. Phone: (505) 393-9174
Job Site Location (give directions to site): UNIT LTR. F SEC. 20 T 22 S R 36 E
ALL LOCATIONS ARE IN THE OILFIELD. CALL OUR OFFICE AND WE WILL TAKE YOU TO THE
LOCATION. E.M.E. SWD.
Describe Site Specific Activity: REMOVE NORM FROM PIPELINE JUNCTION BOXES

Starting Date: 8-00 Projected Completion: 11-00
Local Ordinance or Permit Required? NO
Have they been obtained? List:



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 H-20 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 SIGNS FENCE AND ALL GATES.
LOCATION IS IN A REMOTE AREA.

Signature of Requester:

John J. Moody Jr.

Date:

8-7-00

