

1R - 426-88

REPORTS

DATE:

2/14/2001

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

426-88

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							LENGTH	Width	Depth
BD	STATE D-157	N	12	22S	36E	LEA	6	5	5

LAND TYPE: BLM STATE FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 124 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11-1-00 Date Completed 12-16-00 OCD Witness NONE

Soil Excavated 36 cubic yards Excavation Length 8 Width 8 Depth 9 feet

Soil Disposed 36 cubic yards Offsite Facility SUNDANCE Location EUNICE

FINAL ANALYTICAL RESULTS: Sample Date 12-01-00 Sample Depth 9

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	0.007	0.038	<50	80.6	1010
BOTTOM	<0.005	<0.005	0.008	0.04	<50	80.5	3810

General Description of Remedial Action:

REMOVED 36 CUBIC YARDS OF IMPACTED SOIL AND HAULED IT TO SUNDANCE LOCATED IN EUNICE, NEW MEXICO

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	2'	900
BOTTOM	9'	3200

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

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

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

Receiving Date: 12/01/00
Reporting Date: 12/04/00
Project Number: STATE 157D
Project Name: STATE 157D-BD
Project Location: UN SEC 12-T22S-R38E

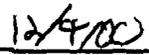
Sampling Date: 12/01/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₈ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
	ANALYSIS DATE	12/01/00	12/01/00	12/04/00
H5398-1	SIDES	<50	80.8	1010
H5398-2	BOTTOM	<50	80.5	3810
	Quality Control	1070	1059	1035
	True Value QC	1000	1000	1000
	% Recovery	107	106	104
	Relative Percent Difference	4.4	1.1	0.9

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

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


Chemist


Date

H5398A.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.



**ARDINAL
LABORATORIES**

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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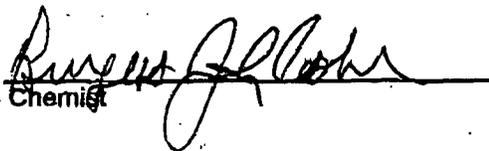
ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO:

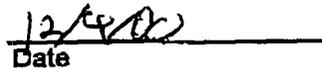
Receiving Date: 12/01/00
Reporting Date: 12/04/00
Project Number: STATE 157D
Project Name: STATE 157D-BD
Project Location: UN SEC 12-T22S-R36E

Sampling Date: 12/01/00
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/01/00	12/01/00	12/01/00	12/01/00
H5398-1	SIDES	<0.005	<0.005	0.007	0.038
H5398-2	BOTTOM	<0.005	<0.005	0.008	0.040
Quality Control		0.088	0.090	0.087	0.266
True Value QC		0.100	0.100	0.100	0.300
% Recovery		87.9	90.2	86.6	88.5
Relative Percent Difference		2.0	5.6	0.4	5.0

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


Chemist


Date

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Sundance Services, Inc.

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

NC 36740

LEASE OPERATOR/SHIPPER/COMPANY: Keel Arco D-157

LEASE NAME: BN SWS

TRANSPORTER COMPANY: West Works TIME: _____ AM/PM

DATE: 1-17-01 VEHICLE NO.: # 11 DRIVER NO.:

CHARGE TO: Keel

TYPE OF MATERIAL

- | | | |
|---|---|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: silica

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: Rob T. Lewis
(SIGNATURE)

FACILITY REPRESENTATIVE: Bobby Koch
(SIGNATURE)

Sundance Services, Inc.

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

N2 35385

LEASE OPERATOR/SHIPPER/COMPANY: RICE

LEASE NAME: B.O. SWD D-15"

TRANSPORTER COMPANY: Dirt work

TIME:

AM/PM

DATE: 12-11-00

VEHICLE NO.: 11

DRIVER NO.:

CHARGE TO: RICE

TYPE OF MATERIAL

- Production Water
 Tank Bottoms
 Other Material:

- Drilling Fluids
 Contaminated soil
 BS&W Content: _____

- Completion Fluids
 C-117 No.: _____

Description: O.O

VOLUME OF MATERIAL BBLs. _____ :

YARD 12 :

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DRIVER: Robert Lewis

(SIGNATURE)

FACILITY REPRESENTATIVE: Wendell Parks

(SIGNATURE)

Sundance Services, Inc.

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

N2 35743

LEASE OPERATOR/SHIPPER/COMPANY: ARC

LEASE NAME: ARC D-157

TRANSPORTER COMPANY: ARC

TIME:

AM/PM

DATE: 1-17-01

VEHICLE NO.:

DRIVER NO.:

CHARGE TO: ARC

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: oil

VOLUME OF MATERIAL BBLs. _____ :

YARD 12 :

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DRIVER: ROBERT LEWIS

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)