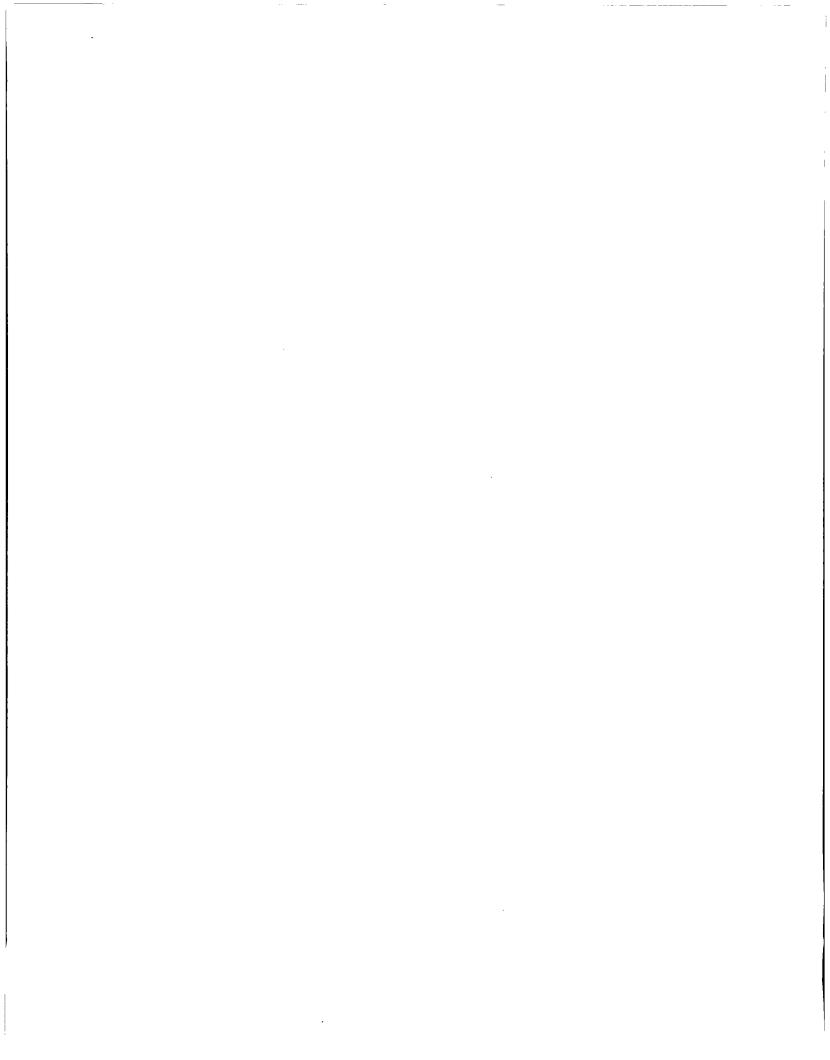
1R - 427 - 103

REPORTS

DATE:

12-11-2001



929-103

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOC	ATION				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		IMENSIONS -	
EME	ARCO "F" DE	F	19	218	37E	LEA	Length 10	Width 8	Depth 5
LAND TYPE:	BLM	STATE	X FEE L	ANDOWNER			OTHER		
Depth to Grou	ındwater	217	feet	NMOCE	SITE ASS	ESSMENT	RANKING S	CORE:	0
Date Started	d 01/25	/2001	Date Co	ompleted	01/29/2001	OCD	Witness	N	<u> </u>
Soil Excavated	60	cubic ya	rds Ex	cavation Le	ngth 12	Widt	h <u>10</u>	Depth	12 fee
Soil Disposed	42	cubic ya	rds C	Offsite Facility	SUND	ANCE	Location	EUNI	ICE, NM
FINAL ANAL	Procure 5-poi	nt composit	te sample o poratory tes	of bottom and	4-point completed by us	posite san		alls. TPH,	12'
Sample	Benzene	Tol	uene E	thyl Benzene	Total Xylen	es (GRO	DRO	Chlorides
Location	mg/kg		g/kg	mg/kg	mg/kg		ng/kg	mg/kg	mg/kg
SIDEWALLS	0.004 <0.002		007	0.007	0.026		<50 <50	770 188	178 1212
General Description NMOCD guidelines. NMOCD guidelines.	Hauled high imp	pacted soil to	Sundance an		soil to below		OCATION	DEPTH	
A water tight junction							IDEWALLS	6'	240
							воттом	12'	650
					 				
4						-			
						-			
					···				
									
						L_		l	
I HERE	BY CERTIFY	THAT THE		ATION ABOV			PLETE TO T	HE BEST O	F MY
DATE	Decemi	per-11, 200	1	PR	INTED NAME		D. E.	Anderson	
SIGNATURE	1/1/	liller.	m		TITI C		Project Lead	er - Environm	nental



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

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

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

Receiving Date: 01/29/01

Reporting Date: 01/30/01

Project Number: ARCO "F" DE

Project Name: ARCO "F" SIDES AND BOTTOM Project Location: UF SECTION 19 T21 R36

Sampling Date: 01/29/01

Sample Type: SOIL

Sample Condition; COOL & INTACT

Sample Received By: AH Analyzed By: BC/AH

	GRO	DRÓ	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	: CI*
LAB NUMBER SAMPLE ID	(mg/K g)	(mg/Kg)	(mg/Kg)

ANALYSIS DA	TE	01/29/01	01/29/01	01/30/01
H5561-1	ARCO "F" DE SIDES	<50	770	178
H5561-2	ARCO "F" DE BOTTOM	<50	188	1212
Quality Control		760	761	1051
True Value QC		800	800	1000
% Recovery		95.0	95.1	105
Relative Perce	nt Difference	3.3	0.2	3.9

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

Date

PLEASTREE Anothing and Damages. Cardinal's liability and client's exclusive remady for any claim arising, whather based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including trose for negligence and any other cause whatsoever shall be deemed waived unless made in writing and raceived 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 toss 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.





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: 01/29/01 Reporting Date: 02/01/01

Project Number: ARCO "F" DE

Project Name: ARCO "F" SIDES AND BOTTOM Project Location: UF SECTION 19 T21 R36

Sampling Date: 01/29/01 Sample Type: SOIL

Sample Condition: COOL, INTACT

Sample Received By: AH

Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E	02/01/01	02/01/01	02/01/01	02/01/01
H5561-1	ARCO "F" DE SIDES	0.004	0.007	0.007	0.026
H5561-2	ARCO "F" DE BOTTOM	<0.002	<0.002	0.007	0.009
Quality Control		0.097	0.106	0.095	0.290
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		97	106	95	97
Relative Percent	Difference	3.1	0.7	3.0	2.4

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

RICE OPERATING HOBBS, NM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ARDINAL 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

Company Name					1888				DECLIPER		Γ
auma (madina)	MICH DORBATIONS	12					₹	ANAL I SIS NE	MOES!		
Project Manager:	NIN S		P.O. #:								
Address:	122 Tosy long,		Company:								
Clty:	Hobbs State: MM	21p: 88240	Attn:								
Phone # 505	3929174ax#		Address:								
Project #: AK	20 1 1		CF5:								
Project Name:	AKED "F" SidesHud	1 Softem		Zlp:							
Project Location:	OF 500	216	Phone #:								
Sampler Name:			Fax#:								
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	l						
Lab I.D.	Sample I.D.	AB OR (C)OMP. OUTAINERS TEWATER OUT DE OIL			USI Œ	X31-9					
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sorvice. In no event shall Ca.	service. Into event shall Cardinal be latab for backershi or consequental durages, backaling without limitation, besters themptions, less of use, or boss of profits incurred by clear, its subadiases affects or successors at lata or related to the performance of publices investigated by clearly inspendess of whether such clears is based upon any of the shows stated research or otherwise.	hout Entratios, business brigimoptions, loss o finel, regardless of whether such claim is be	of use, or loss of profits incomed upon any of the above	options, tose of use, or lose of profile incurred by cleart, its subsidiaries uch clear is besed upon my of the above stated resears or otherwise.				and all costs of collection	and all costs of collections, including attentory's fees		Š
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James	Tune Tune	_		REMARKS:		L Yes	LI NO	Add'i Fax #:			
Refinquished By:		Received By: (Lab Staff)									
Delivered By	Delivered By: (Circle One)	Sample Condition	₹	ED BY:							
Sampler - UPS - Bus - Other:	· Bus · Other:	Cool Intact	(Initials)	ils)				,			
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[†] 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 LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME TRANSPORTER COMPANY: TIME: AM/PM **VEHICLE NO.:** DRIVER NO .: **CHARGE TO:** TYPE OF MATERIAL [] Production Water [] Drilling Fluids [] Completion Fluids [] Tank Bottoms [] Contaminated soil [] C-117 No.: _ [] Other Material: [] BS&W Content: ___ VOLUME OF MATERIAL [] BBLS. _____: [] YARD _____ 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: FACILITY REPRESENTATIVE:

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

Sundance Services, Inc.

P.O. Box 1737 * Eunice, NM 88231 (505) 394-2511 LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: TRANSPORTER COMPANY: TIME: AM/PM DATE: VEHICLE NO.: -DRIVER NO .: **CHARGE TO:** TYPE OF MATERIAL [] Production Water [] Drilling Fluids [] Completion Fluids [] C-117 No.: ___ [] Tank Bottoms [] Contaminated soil [] Other Material: [] BS&W Content: __ Description: VOLUME OF MATERIAL [] BBLS. _ []YARD_ 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: **FACILITY REPRESENTATIVE:** White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter

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