

MACH PETROLEUM, INC.

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FAX TRANSMITTAL SHEET

TO ALLEN BURNS

COMPANY _____

FROM TOM MACH

DATE FAXED 5/30/01

NUMBER OF PAGES -THIS COVER PAGE + 5

IF THERE SHOULD BE ANY PROBLEMS IN THE TRANSMISSION CALL 918-496-0442

1-6-02 CORE ANALYSIS REPORT

FOR

ANADARKO PRODUCTION COMPANY
ROYCE 'A' NO. 1 WELL
RENO COUNTY, KANSAS

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS 75207

March 31, 1978

REPLY TO
SUITE 183
400 SOUTH VERMONT
OKLAHOMA CITY, OKLA.
73108

Anadarko Production Company
P. O. Box 5050
Denver, Colorado 80217

Attn: Mr. H. Johnson

Subject: Core Analysis Data
Royce "A" No. 1 Well
Reno County, Kansas
CLI File 3402-9259

Gentlemen:

Cores taken in the subject well in the Mississippi Chat formation were received at the Oklahoma City laboratory for special analytical testing described on the procedure page.

The accompanying Coregraph presents the Surface Core-Gamma Log and binomially averaged core analysis data in graphical form to aid correlation with downhole electrical surveys.

Tabular presentation of the measured physical properties may be found on page one of this report.

Data averages reflecting zone changes are presented on page two along with certain interpretive comments of interest.

As requested, selected samples were sent to Anadarko Production Company in Liberal, Kansas.

It is a pleasure to have this opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

Dale E. Boyle (1/30)
Dale E. Boyle
District Manager

DEB:VJP:sb

5 cc - Addressee
2 cc - Diamond Shamrock Oil and Gas Company
Attn: Mr. J. R. Wilson, Jr.
P. O. Box 631
Amarillo, Texas 79173

Anadarko Production Company
Royce "A" No. 1 Well
CLI File 3402-9259

Procedure Page

Handling and Analytical Procedures

Diamond coring equipment and water base mud were used to obtain 3.5 inch diameter cores between 3841 and 3861 feet.

The cores were preserved at the well site in a CO₂ atmosphere by CLI personnel.

The cores were transported to Oklahoma City by CLI personnel.

A Core-Gamma Log was recorded for downhole E-Log correlation.

Core analysis was made in the intervals requested on right cylinder full diameter samples.

Fluid removal was accomplished using vacuum retorts.

Porosity was determined by density balance method.

Air permeability in two horizontal directions--measured without Klinkenberg correction.

Cores were slabbed for future geological study.

Slab segments have been shipped to Mr. Johnson, Anadarko Production Company in Denver, Colorado.

Temporary storage of cores in Oklahoma City laboratory awaiting additional instructions.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

ANADARKO PRODUCTION COMPANY
 ROYCE 'A' NO. 1 WELL
 LANGDON FIELD
 RENO COUNTY, KANSAS

DATE: 3/16/78
 FORMATION: MISSISSIPPI CHAT
 DRLG. FLUID: WATER BASE MUD
 LOCATION: SEC. 16-25S-9W

FILE NO: 3402-9259
 ENGINEER: PUGH
 ELEVATION: 1676' 6L

* INDICATES PLUG PERM.

SMP. NO.	DEPTH	PERM. TO AIR MD.		POROSITY PERCENT	FLUID SATS.		GR. DEN.	DESCRIPTION
		MAXIMUM	90 DEG		OIL	WTR.		
WHOLE CORE ANALYSIS								
1	3841.0-42.0	5.8	5.4	28.1	2.8	81.0	2.68	MISS CHAT,SL/LMY,CHT
2	3842.0-43.0	14.0	6.5	26.7	3.2	77.8	2.68	MISS CHAT,LMY,CHT,VF
3	3843.0-44.0	*	11.0	39.2	1.6	77.4	2.67	MISS CHAT,SL/LMY,CHT
4	3844.0-45.0	40.0	38.0	35.6	2.5	75.7	2.68	MISS CHAT,SHY,LMY,VF
5	3845.0-46.0	26.0	6.0	34.3	2.5	74.2	2.66	MISS CHAT,SL/CHT,STY
6	3846.0-47.0	22.0	15.0	35.1	3.0	79.7	2.68	MISS CHAT,CHT,VF
7	3847.0-48.0	6.6	6.6	31.3	4.0	73.7	2.61	MISS CHAT,SL/CHT
8	3848.0-49.0	13.0	9.1	25.1	4.7	78.3	2.68	MISS CHAT,SL/LMY,SHY
9	3849.0-50.0	24.0	21.0	22.8	3.9	83.5	2.70	MISS CHAT
10	3850.0-51.0	53.0	31.0	27.0	3.4	73.9	2.68	MISS CHAT
11	3851.0-52.0	*	0.9	25.6	6.0	76.1	2.65	MISS CHAT
12	3852.0-53.0	22.0	20.0	25.6	4.6	72.2	2.64	MISS CHAT
13	3853.0-54.0	4.2	3.6	21.7	6.7	70.4	2.61	MISS CHAT,LMY,FISS
14	3854.0-55.0	3.7	3.7	19.4	7.3	74.7	2.63	MISS CHAT
15	3855.0-56.0	2.2	1.8	21.8	5.8	82.9	2.66	MISS CHAT,SL/LMY,SHY
16	3856.0-57.0	3.2	2.8	19.6	5.3	84.4	2.66	MISS CHAT,SHY,FISS
17	3857.0-58.0	4.5	2.9	22.1	6.2	80.5	2.69	MISS CHAT
18	3858.0-59.0	*	9.7	23.5	7.6	76.8	2.60	MISS CHAT
19	3859.0-60.0	*	0.1	18.0	4.3	84.4	2.60	MISS CHAT
	3860.0-3861.0	LOST CORE						

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE SUMMARY

Company ANADARKO PRODUCTION COMPANY
 Well ROYCE "A" NO. 1
 Page 2 of 2 File 3402-9259

PTH ET	PERMEABILITY, Md.		POROSITY PER CENT	SATURATION		GRAIN DENSITY	PRODUCTIVITY	COMMENTS
	HORIZONTAL	VERTICAL		OIL	WATER			
41-51	23	15.0	30.5	3.2	77.5	2.67	Poss gas	Good K80
51-60	6.6	5.1	21.9	6.0	78.0	2.64	Oil, high GOR	Poss w/cuts

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