

File

CORE ANALYSIS REPORT

FOR

clp

ANADARKO PRODUCTION COMPANY
FINCHELM "A" NO. 4 WELL
SEWARD COUNTY, KANSAS

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

January 10, 1979

REPLY TO
SUITE 133
400 SOUTH VERMONT
OKLAHOMA CITY, OKLA.
73108

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

Attn: Mr. Herb Johnson

Subject: Core Analysis Data
Fincheim "A" No. 4 Well
Seward County, Kansas
CLI File 3402-9559

Gentlemen:

Cores taken in the subject well in the Chester 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.

Plug permeability data are furnished on data page one for comparison with whole core permeability.

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

Very truly yours,

CORE LABORATORIES, INC.

Dale E. Boyle (jme)
Dale E. Boyle
District Manager

DEB:JME:nm

6 cc - Addressee

Anadarko Production Company
Fincheim "A" No. 4 Well
CLI File 3402-9559

Procedure Page

Handling and Analytical Procedures

Diamond coring equipment and water base mud were used to obtain 4.0 inch diameter cores between 6234 and 6282 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.

Selected intervals were preserved for future tests.

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

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

ANADARKO PRODUCTION COMPANY
 FINCHEIM 'A' NO. 4 WELL
 SEWARD COUNTY, KANSAS

DATE: 1/8/79
 FORMATION: CHESTER
 DRLG. FLUID: WATER BASE MUD
 LOCATION:

FILE NO: 3402-9559
 ENGINEER: BOYLE
 ELEVATION:

SMP. NO.	DEPTH	PERM. TO AIR MD.			POROSITY PERCENT	FLUID SATS.		GR. DEN.	DESCRIPTION
		MAXIMUM	90 DEG	PLUG		OIL	WTR.		
WHOLE CORE ANALYSIS									
+ 1	6234.0-35.0	1.4	0.2	<0.1	1.5	10.8	76.4	2.73	LM, FOSS, VF
2	6235.0-36.0	0.6	0.5	0.2	5.6	10.5	31.0	2.70	LM, FOSS, PP VGS, CLAY
3	6236.0-37.0	4.7	4.7	6.5	8.9	10.0	32.0	2.67	SD, LMY, SL/MICA
4	6237.0-38.0	1.5	1.1	1.7	8.2	15.4	25.8	2.67	SD, LMY, SL/MICA
5	6238.0-39.0	0.8	0.4	0.3	6.6	13.3	32.8	2.70	LM, SDY, PP VGS, SHY
6	6239.0-40.0	30.0	25.0	4.6	8.1	13.4	32.1	2.68	SD, LMY, SL/MICA
7	6240.0-41.0	9.2	8.7	19.0	10.5	11.9	38.8	2.69	SD, LMY, SL/MICA
8	6241.0-42.0	25.0	23.0	25.0	8.6	12.0	39.7	2.66	SD, LMY, PP VGS, SHY
9	6242.0-43.0	7.9	6.4	42.0	10.4	11.3	38.9	2.67	SD, LMY, SL/MICA
10	6243.0-44.0	4.0	2.5	24.0	9.5	12.9	36.3	2.67	SD, LMY, SL/MICA
11	6244.0-45.0	4.4	3.2	19.0	7.8	19.3	26.4	2.68	SD, LMY, SH STKS, MICA
12	6245.0-46.0	16.0	16.0	28.0	11.8	17.3	34.8	2.67	SD, LMY, SL/MICA
13	6246.0-47.0	19.0	19.0	44.0	10.7	17.5	32.2	2.66	SD, LMY, SL/MICA
14	6247.0-48.0	4.2	4.2	5.3	8.9	14.5	31.7	2.68	SD, LMY, SL/MICA
15	6248.0-49.0	5.1	4.4	6.9	9.1	15.8	29.0	2.68	SD, LMY, SL/MICA
16	6249.0-50.0	1.9	1.9	3.3	10.0	15.7	33.6	2.68	SD, LMY, SL/MICA
17	6250.0-51.0	4.6	3.7	1.8	10.3	8.3	42.1	2.67	SD, LMY, SL/MICA
18	6251.0-52.0	4.2	4.2	0.3	10.2	11.5	41.1	2.67	SD, LMY, SL/MICA
19	6252.0-53.0	6.3	6.3	9.1	10.4	10.8	38.3	2.68	SD, LMY, SL/MICA
20	6253.0-54.0	6.6	6.6	8.4	9.7	11.6	39.8	2.67	SD, LMY, SL/MICA
21	6254.0-55.0	1.2	1.2	3.9	7.1	13.9	38.8	2.67	SD, LMY, SL/MICA
22	6255.0-56.0	0.2	0.2	0.2	4.1	20.0	36.7	2.67	SD, V/LMY, SL/MICA
23	6256.0-57.0	0.7	0.3	<0.1	2.1	18.3	61.6	2.71	CONG, LMY, SHY
	6257.0-82.0								SH

+ DENOTES HORIZONTAL CRACKS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

CORE SUMMARYCOMPANY ANADARKO PRODUCTION COMPANYWELL FINCHEIM "A" NO. 4PAGE 2 OF 2 FILE 3402-9559

<u>DEPTH</u> <u>FEET</u>	<u>PERMEABILITY, Md.</u>			<u>POROSITY</u> <u>PER CENT</u>	<u>SATURATION</u>		<u>GRAIN</u> <u>DENSITY</u>
	<u>MAXIMUM</u>	<u>90 DEGREES</u>	<u>PLUG</u>		<u>OIL</u>	<u>WATER</u>	
6234.0-36.0	1.0	0.4	0.1	3.6	10.7	53.7	2.72
6236.0-55.0	8.2	7.5	13.3	9.3	13.5	35.0	2.67
6255.0-57.0	0.5	0.3	0.1	3.1	19.2	49.2	2.69

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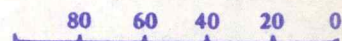
COMPANY ANADARKO PRODUCTION COMPANY FIELD _____ FILE 3402-9559
 WELL FINCHEIM "A" NO. 4 COUNTY SEWARD DATE 1/8/79
 LOCATION _____ STATE KANSAS ELEV. _____

CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

TOTAL WATER 0000
PERCENT PORE SPACE



OIL SATURATION XXXX
PERCENT PORE SPACE



GAMMA RAY
RADIATION INCREASE



PERMEABILITY _____
MILLIDARCS



POROSITY _____
PERCENT

