

CORE ANALYSIS REPORT
FOR
ANADARKO PRODUCTION CO.
LIGHT D NO. 1 WELL
PANOMA FIELD
STEVENS COUNTY, KANSAS





CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY ANADARKO PRODUCTION COMPANY FIELD PANOMA FILE CP-1-7785
 WELL LIGHT "D" NO. 1 COUNTY STEVENS DATE 4-16-73
 LOCATION C NE/4 34-338-39W STATE KANSAS ELEV. 3265' GL

CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE →

COREGRAPH

TOTAL WATER ———

PERCENT TOTAL WATER

80 60 40 20 0

PERMEABILITY ———

MILLIDARCY

100 50 10 5 1

POROSITY ———

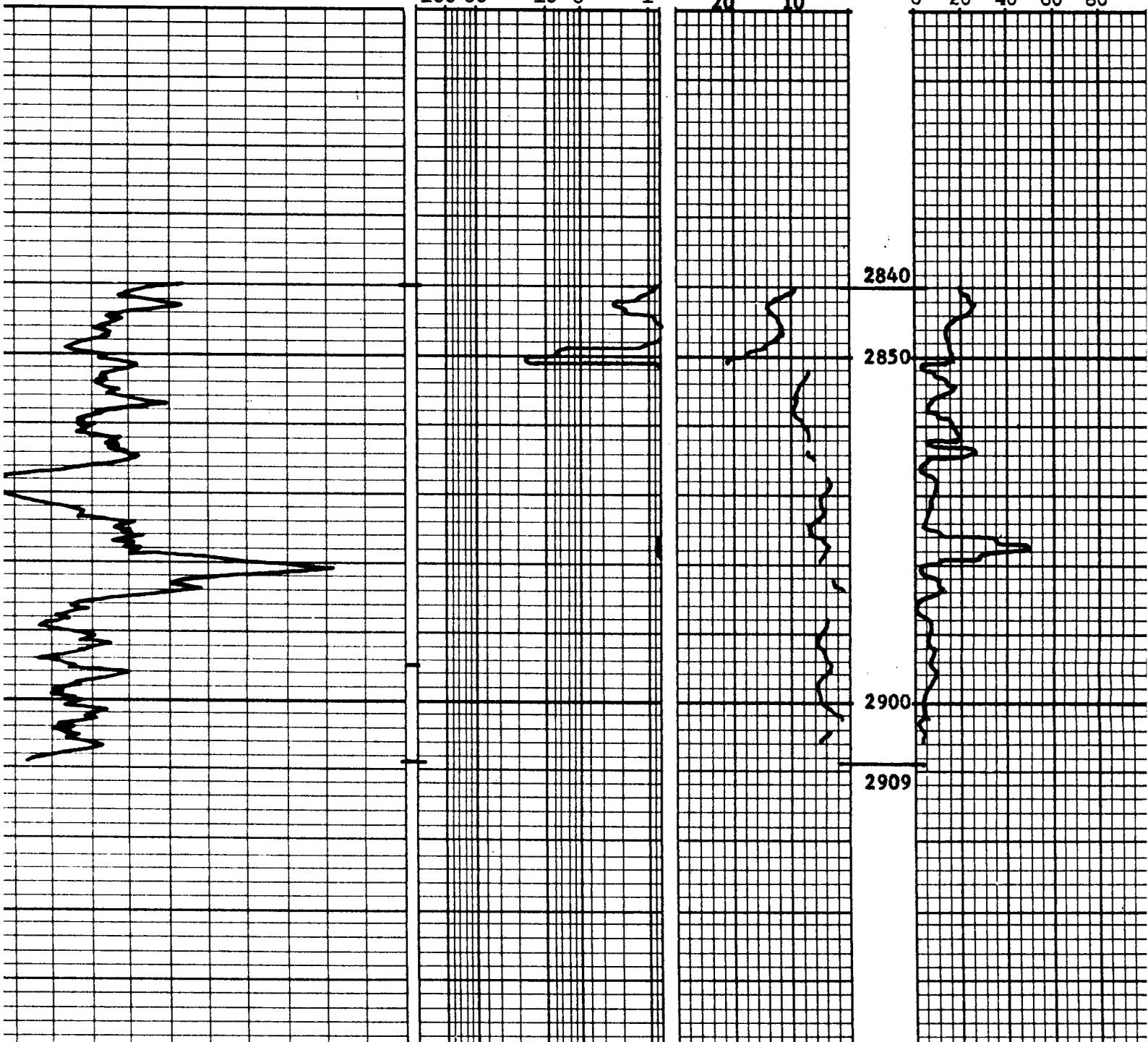
PERCENT

20 10

OIL SATURATION -----

PERCENT PORE SPACE

0 20 40 60 80



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

April 23, 1973

REPLY TO
8 N. W. 42ND ST.
OKLAHOMA CITY, OKLA.
73118

Anadarko Production Company
Box 351
Liberal, Kansas 67901

Attn: Mr. W. A. Beatty

Subject: Core Analysis Data
Light "D" No. 1 Well
Panoma Field
Stevens County, Kansas
CLI File No. CP-1-7785

Gentlemen:

Diamond cores were taken in the Council Grove formation between 2840 and 2909 feet in the Light "D" No. 1 Well. The cores were preserved at the well-site and shipped to the Oklahoma City laboratory where the accompanying Core-Gamma Surface Log and whole-core measurements presented on pages one and two were made.

The cores have been slabbed and color photographs made. The slabs have been sent to your office in Liberal. The larger core segments are being held at the Oklahoma City laboratory awaiting additional instructions.

We are pleased to have had this opportunity to serve you.

Very truly yours,

CORE LABORATORIES, INC.



Dale E. Boyle
Oklahoma City Laboratory Manager

DEB:es

9 cc - Addressee

CORE ANALYSIS RESULTS

Company ANADARKO PRODUCTION COMPANY Formation COUNCIL GROVE File CP-1-7785
Well LIGHT "D" NO. 1 Core Type DIAMOND Date Report 4-23-73
Field PANOMA Drilling Fluid WATER BASE MUD Analysts BOYLE
County STEVENS State KANSAS Elev. 3265' GL Location C NE/4 SEC. 34-33S-39W

Lithological Abbreviations

SAND - SD SHALE - SH LIME - LM	DOLOMITE - DOL CHERT - CH GYPSUM - GYP	ANHYDRITE - ANHY CONGLOMERATE - CONG FOSSILIFEROUS - FOSS	SANDY - SDY SHALY - SHY LIMY - LMY	FINE - FNE MEDIUM - MED COARSE - CSE	CRYSTALLINE - XLN GRAIN - GRN GRANULAR - GRNL	BROWN - BRN GRAY - GY UGGY - UGY	FRACTURED - FRAC LAMINATION - LAM STYLOLITIC - STY	SLIGHTLY - S VERY - V/ WITH - W/
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SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER		
WHOLE-CORE ANALYSIS								
1	2840.0-41.0	<0.1	<0.1	7.7	0.0	83.4	2.70	Lm
2	41.0-42.0	1.2	1.2	13.7	0.0	73.8	2.70	Lm, silty
3	42.0-43.0	3.7	2.9	14.2	0.0	74.9	2.70	Lm, silty
4	43.0-44.0	2.8	2.3	14.5	0.0	71.9	2.70	Lm, silty
5	44.0-45.0	0.1	<0.1	11.4	0.0	84.4	2.70	Lm, silty
6	45.0-46.0	<0.1	<0.1	11.8	0.0	86.1	2.71	Silt, sdy, lmy
7	46.0-47.0	<0.1	<0.1	9.1	0.0	88.7	2.70	Silt, sdy, lmy
8	47.0-48.0	0.2	0.1	13.8	0.0	83.8	2.70	Silt, sdy, lmy
9	48.0-49.0	0.1	<0.1	12.0	0.0	87.7	2.72	Silt, sdy, lmy
10	49.0-50.0	7.5	4.5	18.3	0.0	81.4	2.73	Silt, sdy, lmy
11	50.0-51.0	27.1	25.2	22.4	0.0	84.3	2.68	Silt, sdy, lmy
	51.0-52.0							Sh
12	52.0-53.0	<0.1	<0.1	6.5	0.0	91.7	2.68	Silt, sdy, lmy
13	53.0-54.0	<0.1	<0.1	7.1	0.0	88.6	2.71	Silt, sdy, lmy
14	54.0-55.0	<0.1	<0.1	9.3	0.0	75.0	2.68	Silt, sdy
15	55.0-56.0	<0.1	<0.1	8.6	0.0	89.5	2.68	Silt, sdy
16	56.0-57.0	<0.1	<0.1	7.7	0.0	92.4	2.68	Silt, sdy, lmy
17	57.0-58.0	<0.1	<0.1	10.0	0.0	96.2	2.69	Silt, v/shy
18	58.0-59.0	<0.1	<0.1	9.8	0.0	93.2	2.68	Silt, v/shy
19	59.0-60.0	<0.1	<0.1	7.4	0.0	77.6	2.68	Silt, sdy, lmy
20	60.0-61.0	<0.1	<0.1	7.6	0.0	88.8	2.68	Silt, lmy, anhy
21	61.0-62.0	<0.1	<0.1	6.7	0.0	75.2	2.68	Silt, lmy, anhy
	62.0-63.0							Sh
22	63.0-64.0	<0.1	<0.1	7.1	0.0	73.5	2.68	Silt, lmy
23	64.0-65.0	<0.1	<0.1	6.0	0.0	93.6	2.68	Silt, lmy
	65.0-67.0							Sh
24	67.0-68.0	<0.1	<0.1	4.4	0.0	91.6	2.75	Lm, anhy
25	68.0-69.0	<0.1	<0.1	2.1	0.0	89.5	2.75	Lm, anhy
26	69.0-70.0	<0.1	<0.1	4.1	0.0	90.1	2.73	Lm, anhy
27	70.0-71.0	24.2	<0.1	5.1	0.0	94.0	2.77	Lm, anhy, vert frac
28	71.0-72.0		<0.1*	4.8	0.0	91.0	2.76	Lm, anhy, vert frac
29	72.0-73.0	<0.1	<0.1	3.4	0.0	93.1	2.70	Lm
30	73.0-74.0	<0.1	<0.1	4.2	0.0	96.0	2.74	Lm, shy, anhy
31	74.0-75.0	<0.1	<0.1	8.1	0.0	95.9	2.72	Lm, shy, anhy
32	75.0-76.0	<0.1	<0.1	8.0	0.0	95.5	2.71	Lm, shy, anhy
33	76.0-77.0	<0.1	<0.1	3.7	0.0	64.5	2.70	Lm, shy
34	77.0-78.0	476.3	0.3	2.5	0.0	27.9	2.71	Lm, vert frac
35	78.0-79.0		<0.1*	4.0	0.0	83.5	2.69	Lm, vert frac
36	79.0-80.0	<0.1	<0.1	5.6	0.0	92.3	2.67	Lm, shy
	2880.0-82.0							Sh

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CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER		
37	2882.0-83.0	<0.1	<0.1	2.6	0.0	88.9	2.63	Lm, shy
38	83.0-84.0	<0.1	<0.1	0.7	0.0	87.5	2.65	Lm, shy
	84.0-88.0							Sh
39	88.0-89.0	<0.1	<0.1	3.9	0.0	92.7	2.62	Lm, shy
40	89.0-90.0	<0.1	<0.1	3.6	0.0	91.5	2.64	Lm, shy
41	90.0-91.0	<0.1	<0.1	6.3	0.0	94.1	2.66	Lm, shy
42	91.0-92.0	<0.1	<0.1	6.5	0.0	96.3	2.67	Lm, shy
43	92.0-93.0	<0.1	<0.1	2.5	0.0	87.2	2.62	Lm, shy
44	93.0-94.0	<0.1	<0.1	5.6	0.0	95.3	2.67	Lm, shy
45	94.0-95.0	<0.1	<0.1	1.9	0.0	95.7	2.63	Lm, shy
46	95.0-96.0	<0.1	<0.1	3.5	0.0	88.0	2.62	Lm, shy
47	96.0-97.0	<0.1	<0.1	4.8	0.0	92.1	2.62	Lm, shy
48	97.0-98.0	<0.1	<0.1	5.8	0.0	93.4	2.67	Lm, shy
49	98.0-99.0	<0.1	<0.1	5.6	0.0	95.8	2.68	Lm, shy
50	99.0-00.0	<0.1	<0.1	4.8	0.0	95.5	2.68	Lm, shy
51	2900.0-01.0	<0.1	<0.1	5.1	0.0	96.8	2.68	Lm, shy
52	01.0-02.0	<0.1	<0.1	2.0	0.0	96.6	2.66	Lm, shy
53	02.0-03.0	<0.1	<0.1	0.9	0.0	92.3	2.67	Lm, shy
	03.0-04.0							Sh
54	04.0-05.0	<0.1	<0.1	3.7	0.0	96.3	2.70	Lm, shy
55	2905.0-06.0	<0.1	<0.1	5.5	0.0	95.9	2.69	Lm, shy
	2906.0-08.5							Sh

* DENOTES PLUG PERMEABILITY

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