

CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY RALPH LOWE FIELD WILDCAT FILE WP-3-1945
WELL INDIAN BASIN NO. 1 COUNTY EDDY DATE 7-18-62
LOCATION SEC 23-T21S-R23E STATE NEW MEXICO ELEV. _____

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

10 5

POROSITY

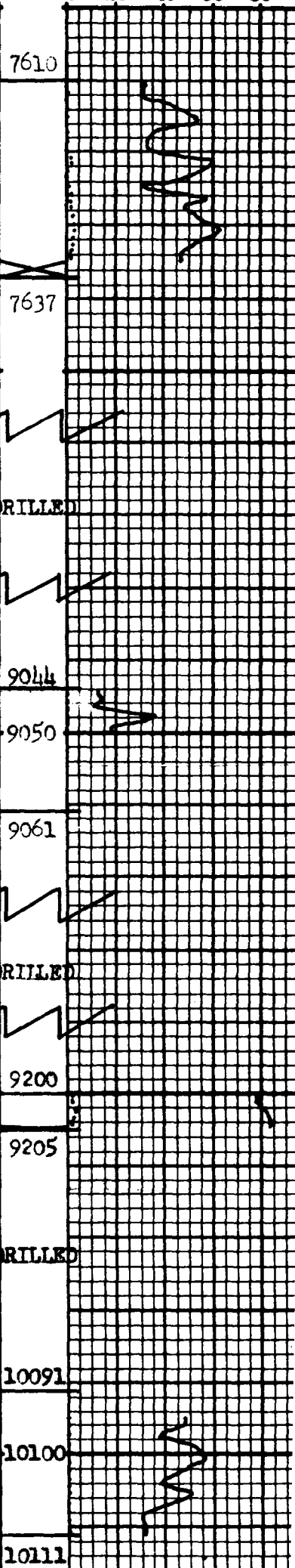
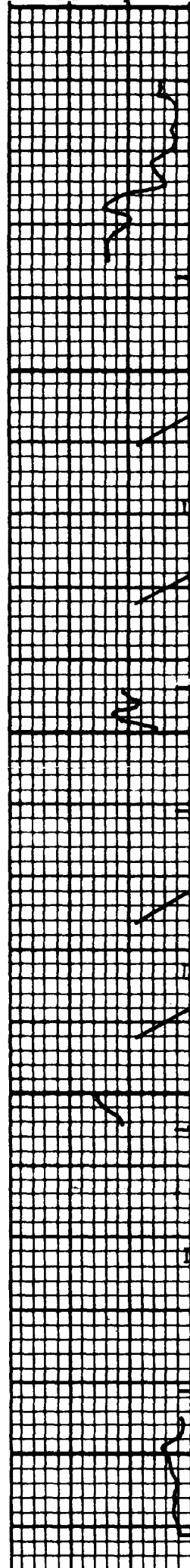
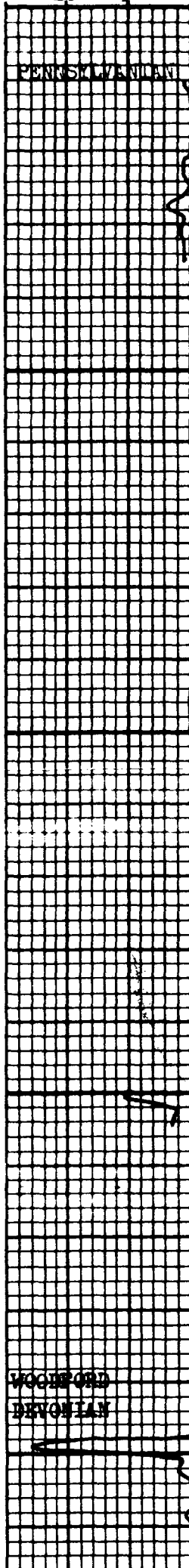
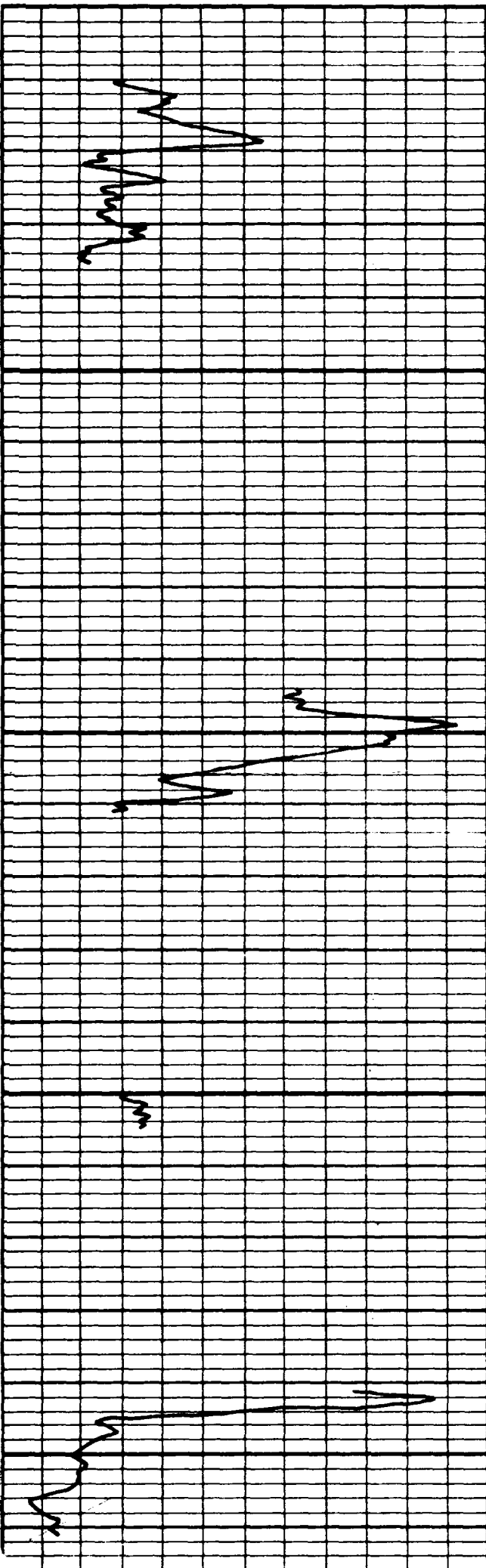
PERCENT

10 5

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80





COMPLETION COREGRAPH

SAND LIMESTONE CONGLOMERATE CHERT ANHYDRITE
SHALE  DOLOMITE  GOLITES   

SAMPLE CHARACTERISTICS							PROBABLE PRODUCTION				TOTAL WATER		
							O-Oil W-Water G-Gas T-Transitional				PERCENT PORE SPACE		
SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MD		POROSITY PERCENT	RESIDUAL SATURATION ON % PORE SPACE		PERMEABILITY		POROSITY		OIL SATURATION PERCENT PORE SPACE		
		Horizontal Perm Plug					Darcy		PERCENT				
		MAX.	90°		OIL	TOTAL WATER	10	5	10	5			
WHOLE-CORE ANALYSIS													
PENNSYLVANIAN													
1	7610.0-11.3	0.6	0.4	2.4	0.0	67.7	V						
2	7611.3-13.0	<0.1	<0.1	2.4	0.0	68.1							
3	13.0-14.4	<0.1	<0.1	1.2	0.0	55.2							
4	7614.4-16.0	<0.1	<0.1	1.0	0.0	46.7							
5	16.0-17.7	<0.1	<0.1	1.4	0.0	62.7							
6	7617.7-19.4	<0.1	<0.1	1.1	0.0	67.7							
7	7619.4-21.0	<0.1	<0.1	1.7	0.0	66.7							
8	21.0-22.6	*0.4	*0.2	3.1	2.0	40.2	FV						
9	7622.6-24.1	0.4	0.4	2.2	0.0	51.2	FS						
10	24.1-25.0	<0.1	<0.1	1.8	0.0	68.8							
11	25.0-26.8	0.7	0.2	5.5	1.1	42.8	FV						
12	7626.8-28.3	1.7	0.5	7.1	1.1	51.8	FV						
13	7628.3-30.1	0.2	0.2	4.8	2.7	46.6	FV						
14	7630.1-32.0	0.8	<0.1	6.3	2.4	37.4	FV						
15	32.0-33.5	0.3	0.2	6.9	2.3	48.0	FV						
16	7633.5-35.0	*0.6	*0.4	6.8	1.3	52.8	FV						
NO SHOW													
17	9044.0-45.0	<0.1		5.5	0.0	87.4	FG						
18	45.0-46.0	<0.1		4.1	0.0	85.4	FG						
19	46.0-47.0	<0.1		4.5	0.0	88.9	FG						
20	47.0-48.0	<0.1		6.4	0.0	64.1	FG						
21	48.0-49.0	<0.1		5.6	0.0	69.7	FG						
22	49.0-50.0	<0.1		2.8	0.0	82.2	FG						
WOODFORD													
DEVONIAN													
26	10095.0-96.6	<0.1	<0.1	0.7	0.0	52.3	SV						
27	10096.6-98.3	<0.1	<0.1	0.9	0.0	62.4	S						
28	10098.3-00.1	1.3	2.4	2.4	0.0	45.7	FV						
29	10100.1-01.7	1.0	0.4	1.9	0.0	44.6	FV						
30	10101.7-03.2	1.1	<0.1	1.5	0.0	55.5	FV						
31	03.2-04.8	*<0.1	*<0.1	1.1	0.0	62.3	SF						
32	10104.8-06.2	*<0.1	*<0.1	1.6	0.0	50.0	SF						
33	10106.2-08.0	<0.1	<0.1	1.3	0.0	63.9	F						
34	08.0-09.5	0.4	<0.1	1.4	0.0	70.3							
35	10109.5-11.0	*<0.1	*<0.1	1.1	0.0	69.7							