CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

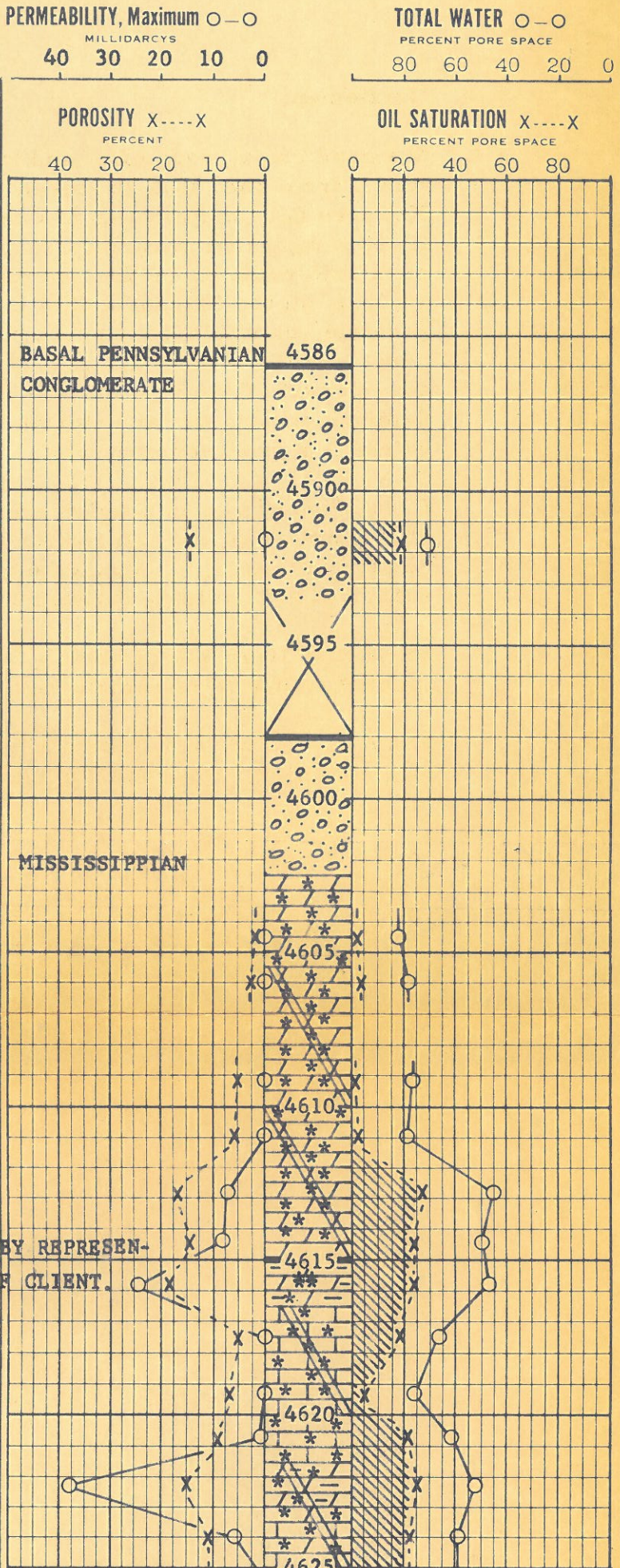
COMPANY	KEWANEE OIL COMPANY	DATE ON	4/6/57	FILE NO.	CP-6-836 TMI CP-1-2856 WC
WELL	LARKIN NO. 5	DATE OFF	4/9/57	ENGRS.	DONOHOE
FIELD	HALLET	FORMATION	AS NOTED	ELEV.	2514' CM
COUNTY	HODGEMAN STATE KANSAS	DRLG. FLD.	WATER BASE MUD	CORES	DIAMOND
LOCATION	SE SEC 15-22S-25W	REMARKS	SAMPLED AS NOTED		

Special Analysis

CORE REPORT

SAND · LIMESTONE · CONGLOMERATE · CHERT
SHALE · DOLOMITE · VUGS * * · FRACTURES

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILIDARCYS MAX.	PERMEABILITY MILIDARCYS 90°	POROSITY %	RESIDUAL SATURATION % PORE SPACE OIL	RESIDUAL SATURATION % PORE SPACE TOTAL WATER	
	* - DENOTES PLUG PERMEABILITY MEASUREMENTS.						
	SAMPLED BY CLI ENGINEER						
1	4591.0-92.3	0.2*		14.4	18.8	71.4	
	SAMPLED BY REPRESENTATIVE OF CLIENT.						
2	4603.6-05.5	<0.1	<0.1	2.1	3.3	81.8	
3	4605.5-06.5	<0.1*		2.6	3.8	79.1	
4	4608.3-09.9	<0.1	<0.1	4.6	1.7	77.1	
5	4609.9-11.9	<0.1	<0.1	5.7	2.1	78.7	
6	4611.9-13.8	6.8	6.0	17.1	26.7	45.0	
7	4613.8-15.0	8.3*		14.0	23.9	50.5	SAMPLED BY REPRESEN-
8	4615.0-16.7	24*		17.7	24.3	47.6	TATIVE OF CLIENT.
9	4616.7-18.5	<0.1*		5.1	17.6	66.6	
10	4618.5-20.0	<0.1	<0.1	6.7	4.6	76.0	
11	4620.0-21.6	1.4	1.3	9.1	21.3	62.5	
12	4621.6-23.0	38*		15.3	25.3	53.0	
13	4623.0-25.0	6.1	3.0	10.9	23.1	59.0	



13	4623.0-25.0	6.1	3.0	10.9	23.1	59.0	
14	4625.0-26.0	0.1*					
15	4626.0-27.5	<0.1	<0.1	9.4	10.9	63.9	
16	4627.5-29.5	<0.1*		6.3	12.3	66.9	
17	4629.5-31.5	2.3	1.9	10.1	7.2	80.6	
18	4631.5-33.5	<0.1	<0.1	8.9	0.7	94.0	
19	4633.5-35.0	<0.1	<0.1	11.5	3.4	86.1	
20	4635.0-36.5	5.8*		11.3	17.1	64.7	
21	4636.5-38.4	<0.1*		9.9	16.7	63.3	
22	4638.4-39.6	<0.1*		5.7	12.7	64.6	
23	4640.1-41.7	1.5	<0.1	13.6	5.3	72.3	
24	4641.7-42.2	<0.1	<0.1	12.4	5.7	75.4	
							SAMPLED BY CLI ENGINEER.
25	4651.0-52.6	<0.1	<0.1	12.0	2.2	82.2	
26	4652.6-54.4	<0.1	<0.1	13.1	TR	90.3	
27	4654.4-56.4	<0.1	<0.1	11.1	TR	88.3