CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

CP-6-921 TMI

COMPANY	KEWANEE OIL COMPANY		DATE ON	1/5/58	FILE NO. CP-1-3130 WC
WELL	KLINE NO. 1		DATE OFF	1/6/58	ENGRS. DONOHOE
FIELD	HALLETT		FORMATION	MISSISSIPPIAN	ELEV. 2502' GL
COUNTY	MODGEMAN	STATE KANSAS	DRLG. FLD.	WATER BASE MUD	CORES DIAMOND
LOCATION	SEC. 15-22S-25W		REMARKS	SAMPLED BY CLI ENGINEER AS DIRECTED BY REPRESENTATIVE OF CLIENT	

Special Analysis

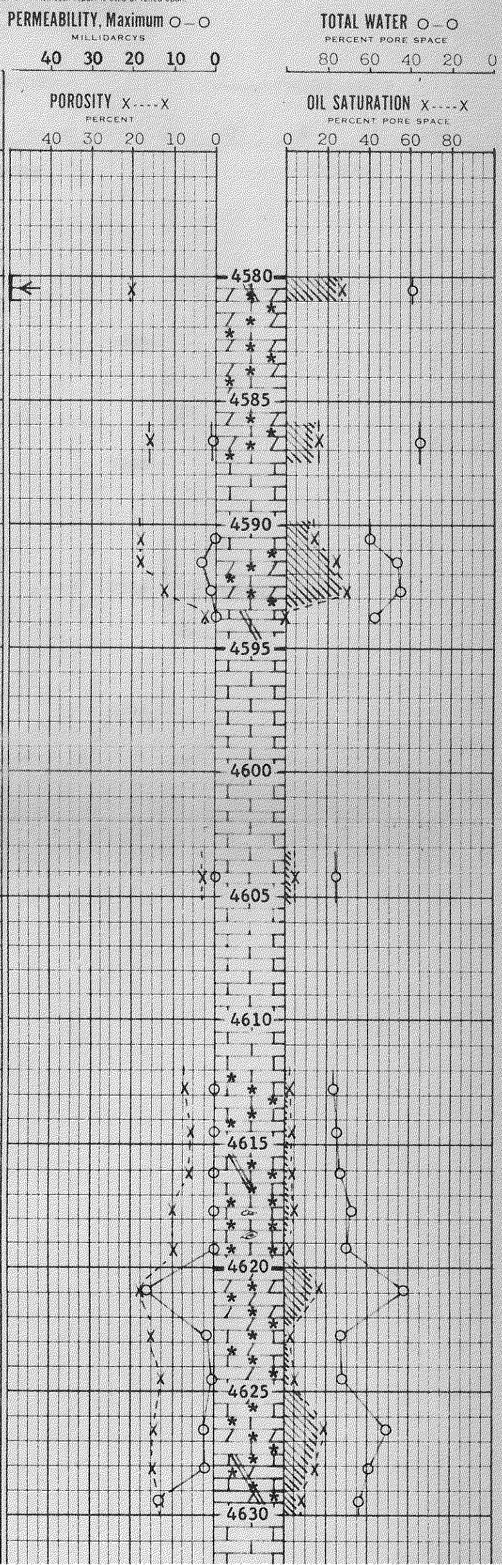
CORE REPORT

SAND LIMESTONE CONGLOMERATE CHERT

SHALE DOLOMITE FOSSILS VUGS *** FRACTURES

These analyses, opinions or interpretations are based on observations and material 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 operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	PERMEABILITY MILLIDARCYS 90°	POROSITY %	RESIDUAL SATURATION % PORE SPACE OIL	RESIDUAL SATURATION % PORE SPACE TOTAL WATER
	* DENOTES MATRIX PERMEABILITY					
1	4580.0-81.0	457	117	20.1	27.0	39.4
2	4585.8-87.5	0.7	0.7	15.8	16.1	35.4
3	4589.8-91.0	<0.1	<0.1	18.2	13.3	59.5
4	4591.0-92.2	3.3	1.9	18.1	23.5	46.5
5	4592.2-93.5	1.4	1.0	12.1	28.8	44.9
6	4593.5-94.0	<0.1	<0.1	2.3	0.0	57.3
7	4603.2-05.2	<0.1	<0.1	3.1	5.8	75.4
8	4611.9-13.5	<0.1	<0.1	7.1	2.3	76.7
9	4613.5-15.3	<0.1	<0.1	5.5	4.4	74.8
10	4615.3-16.9	<0.1	<0.1	6.2	3.7	73.4
11	4616.9-18.5	<0.1	<0.1	9.6	5.5	67.6
12	4618.5-20.0	<0.1	<0.1	9.6	2.7	69.5
13	4620.0-21.8	16	6.7	17.4	16.9	43.1
14	4621.8-23.6	1.8	0.7	15.4	2.6	73.4
15	4623.6-25.4	0.6	0.1	12.4	6.2	71.8
16	4625.4-27.4	2.7	0.5	13.7	19.0	50.6
17	4627.4-28.7	2.0*		14.1	14.7	59.1
18	4628.7-30.0	13*		12.4	8.9	64.0



17	4627.4-28.7	2.0*		14.1	14.7	59.1	
18	4628.7-30.0	13*		12.4	8.9	64.0	
19	4646.9-48.5	5.2	2.0	16.1	2.8	81.8	
20	4648.5-50.0	0.8	0.1	16.5	7.4	68.3