



EARLOUGHER ENGINEERING

PETROLEUM CONSULTANTS
CORE AND WATER ANALYSIS LABORATORIES



COMPANY SUN OIL COMPANY WELL VOLUNTEER NO. 47
LOCATION 330' FSL & 990' FWL, Sec 27-29S-15E FORMATION Bartlesville
FIELD Fredonia DRLG. FLUID Water Base Mud TYPE CORE 3-1/2 inch Rotary
COUNTY Wilson STATE Kansas ELEV. .910 Ft, Est. DATE 11-28-70
REMARKS Lower part of sand section not cored due to iron in hole.

RESULTS OF CORE ANALYSES

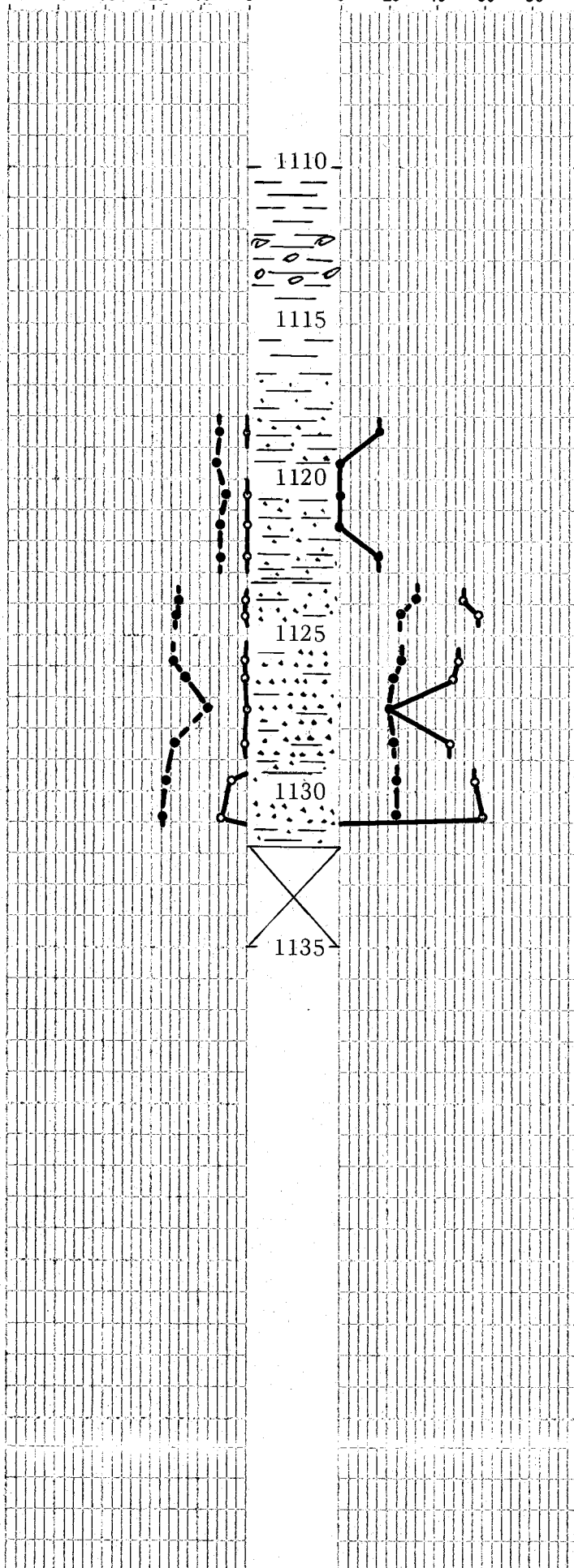
SPLE. NO.	DEPTH FEET	PERM. MD.	POR-OSITY %	CORE SATURATION % PORE SPACE		REMARKS
				OIL	WATER	
	1110.0-13.7					{Gr silty sdy sh & congl.
	1113.7-16.8					Blk sh
	1116.8-18.2					Br sdy sh
1	1118-19	-0-	5.8	17	83	Gr silty sdy sh
2	1119-20	Cracked	7.0	-0-	100	Gr silty sdy sh
3	1120-21	-0-	4.7	-0-	100	Gr silty sdy sh
4	1121-22	-0-	5.8	-0-	100	Gr silty sdy sh
5	1122-23	-0-	5.8	16	84	Gr silty sdy sh
6	1123-24	0.3	14.6	31	49	Sd thin sh lam
7	1124-25	0.6	15.1	25	42	Sd thin sh lam
8	1125-26	0.9	15.4	25	50	Sd thin sh lam
9	1126-27	0.9	13.1	22	53	Sd thin sh lam
10	1127-28	-0-	8.4	21	79	*Shy silty sd
11	1128-29	0.8	15.3	22	54	Sd thin sh lam
12	1129-30	7.7	17.1	23	43	Cl sd
13	1130-31	13.	18.0	23	40	Cl sd
	1131.7					Bot core recovd
	1135.0					Bottom cored
	*Exclude from average					

PERMEABILITY 0-0
MILLIDARCYs
125 100 75 50 25 0

POROSITY ●-----●
PERCENT
40 30 20 10 0

WATER SATURATION 0-0
PERCENT PORE SPACE
80 60 40 20 0

OIL SATURATION ●-----●
PERCENT PORE SPACE
0 20 40 60 80



SUMMARY

SEC.	FORMATION	Depth, Feet		FEET OF SAND	AVG. PERM.	AVG. POR.	AVG. OIL SAT.	AVG. WATER SAT.	Flood Pot Residual Saturation	
		FROM	TO						OIL	WATER
	BARTLESVILLE									
1	Oil sd, shly	1122.8	1129.0	4.2	0.7	14.7	25	50	22	62
2	Oil sd	1129.5	1131.1	**1.6	10.	17.6	23	42	20	61
1&2	Oil sd	1122.8	1131.1	**5.8	3.3	15.5	24.5	48	21	62

**Coring stopped in sand zone.