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EARLOUGHER ENGINEERING

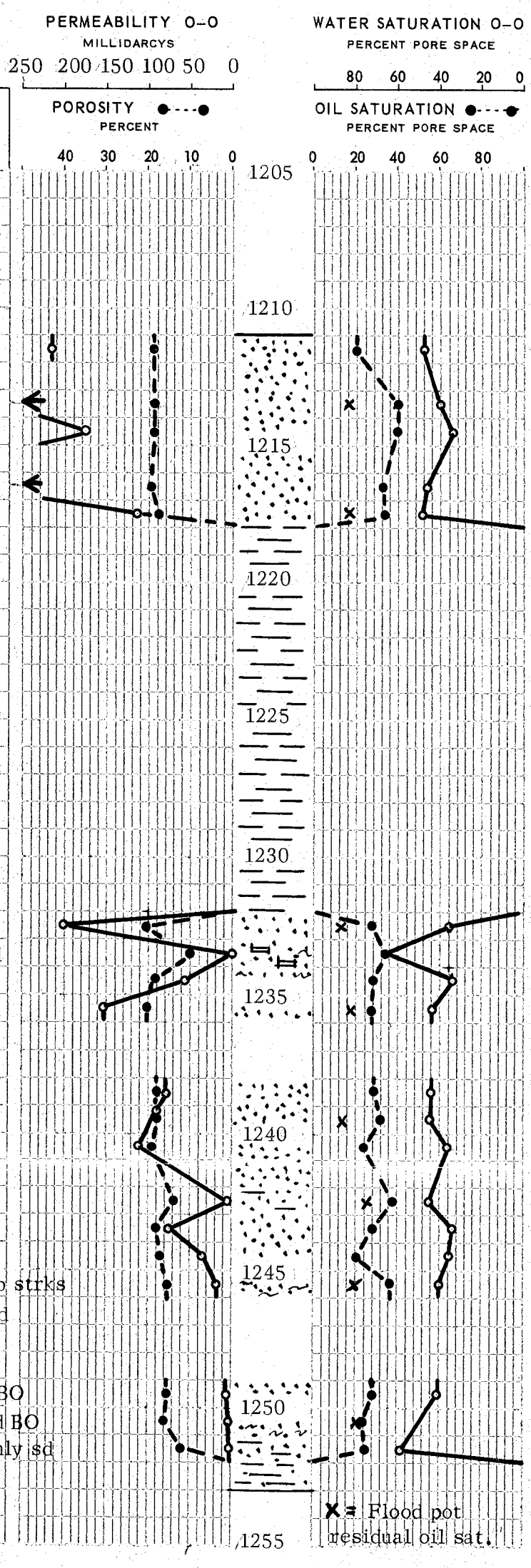
PETROLEUM CONSULTANTS
CORE AND WATER ANALYSIS LABORATORIES

COMPANY COLLINS OIL WELL JOHN MILLS NO. 14
LOCATION Sec 18-35S-15E FORMATION Bartlesville
FIELD DRLG. FLUID Water TYPE CORE 2" Rotary
COUNTY Montgomery STATE Kansas ELEV. DATE 5-19-72
REMARKS Cored 1211 to 1253 Feet

RESULTS OF CORE ANALYSES

SPLE. NO.	DEPTH FEET	PERM. MD.	POR-OSITY %	CORE SATURATION % PORE SPACE OIL	WATER	REMARKS
1	1211-12	215.	19.0	20	47	Br sd
2	1213-14	270.	18.7	39	39	Br sd
3	1214-15	174.	19.0	39	34	Br sd
4	1216-17	266.	19.6	33	46	Br sd
5	1217-18	117.	17.6	34	49	Br sd
	1218-32					Shale
6	1232-33	201.	20.4	27	36	Br sd
7	1233-34	0.7	9.8	34	66	*Lmy carb sd
8	1234-35	56.	18.3	28	34	Sd, sl carb
9	1235-36	152.	19.9	27	43	Br sd
10	1238-39	77.	18.2	29	44	Br sd
11	1239-40	90.	18.2	31	45	Br sd
12	1240-41	109.	19.2	23	37	Br sd
13	1242-43	4.3	13.5	38	45	Br sd, mica
14	1243-44	73.	18.0	28	34	Br sd
14A	1244-45	36.	17.0	21	35	Br sd
15	1245-46	17.	15.2	37	40	Br sd, sl carb strks
	1246-49					Core not rec'd
16	1249-50	5.7	15.2	28	41	*Br sd, silty BO
17	1250-51	3.2	16.0	23	--	*Dark carb sd BO
18	1251-52	1.1	11.7	25	58	*Dark carb shly sd
	1252-53					Shale

*Exclude from average



SUMMARY

SEC.	FORMATION	Depth, Feet FROM	TO	FEET OF SAND	AVG. PERM.	AVG. POR.	AVG. OIL SAT.	AVG. WATER SAT.	Flood Pot Residual Saturation OIL	WATER
	BARTLESVILLE									
1	Oil	1211	1218	** 7	208	18.8	33	43	17	82
2	Oil	1232	1246	12	82	17.8	29	39	18	81
1&2	Oil	1211	1246	**19	129	18.2	30	41	18	81

**Coring started in sand.