

CORE ANALYSIS RESULTS

Company CITIES SERVICE OIL COMPANY Formation MISSISSIPPIAN File CP-1-5358
 Well MOORE "D" NO. 1 Core Type DIAMOND Date Report 9-21-64
 Field SCHABEN Drilling Fluid SALT WATER Analysts WELBORNE
 County NESS State KANSAS Elev. 2275' KB Location 150' SW of C SW NW SEC 30-19S-21W

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER	

WHOLE CORE ANALYSIS

1	4365.0-66.7	0.4	0.2	9.5	18.9	66.2	Dol, sl/shy
2	66.7-68.3	* 0.1		8.8	7.6	74.8	Dol, v/shy
3	68.3-69.6	0.8	0.6	16.2	20.7	61.1	Dol, shy
4	69.6-71.2	1.6	1.5	15.7	13.9	68.1	Dol, chy
5	71.2-72.7	7.8	6.0	15.1	14.7	68.3	Dol, sl/vgy, chy
6	72.7-74.4	4.8	3.6	16.0	28.3	55.3	Dol, sl/vgy, sl/chy
7	74.4-76.0	7.4	4.0	15.0	24.0	59.8	Dol, sl/chy
8	76.0-77.4	69	51	15.8	17.5	66.6	Dol, sl/chy
9	77.4-78.9	* 0.2		11.6	4.4	78.7	Ch, dol, shy, sl/vgy, vert frac
10	78.9-80.4	0.6	0.3	13.5	30.1	55.9	Dol, sl/chy
11	80.4-82.0	1.5	0.7	12.6	15.7	68.2	Dol, vgy, chy
12	82.0-83.2	1.4	1.3	12.7	15.8	66.2	Dol, chy, sl/vgy
13	83.2-85.0	33	21	17.0	17.3	53.8	Dol, vgy, chy
14	85.0-86.6	9.4	3.3	18.8	11.4	60.2	Dol, sl/vgy, chy
15	86.6-87.8	4.7	3.6	18.7	10.1	67.2	Dol, sl/vgy, chy
16	87.8-89.6	9.6	6.3	18.6	17.7	62.3	Dol, vgy, chy
17	89.6-91.0	16	7.1	21.1	23.6	54.1	Dol, sl/vgy, chy
18	91.0-92.3	52	31	19.3	18.7	47.4	Dol, sl/vgy, chy
19	92.3-94.0	18	11	19.0	23.4	47.0	Dol, sl/vgy, sl/chy
20	94.0-95.8	89	67	14.5	10.6	73.6	Dol, sl/vgy, chy, vert frac
21	95.8-96.7	96	84	19.0	22.9	57.2	Dol, sl/vgy, chy
22	96.7-98.0	14	13	19.7	20.7	60.7	Dol, sl/vgy, chy, vert frac
23	98.0-99.4	7.0	6.1	15.8	14.4	66.8	Dol, sl/vgy, chy
24	99.4-00.4	25	22	12.4	3.1	80.6	Dol, vgy, v/chy, vert frac
25	4400.4-01.8	0.8	0.6	16.8	16.1	68.1	Dol, sl/vgy, chy
26	01.8-03.6	4.5	3.9	19.1	13.8	69.3	Dol, sl/vgy, chy
27	03.6-05.0	6.4	5.0	18.1	6.7	82.6	Dol, shy, chy, vert frac
28	05.0-06.3	14	9.2	15.5	4.9	83.7	Dol, v/shy, vgy, chy, vert frac
29	06.3-08.0	21	20	15.7	20.7	53.1	Dol, sl/shy, vgy, vert frac
30	4408.0-09.4	3.4	2.3	11.8	13.8	67.9	Dol, sl/shy, vgy, chy
	4409.4-10.0						Sh

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