



CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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Company MIDWEST OIL CORPORATION Formation "J" SAND COLO. OIL & GAS CONS. COMM. Page 1 of 1
Well NO. 3 COLORADO 34-3-59 Cores DIA. CONV. 4" File RP-2-4209
Field PONCHO Drilling Fluid WBM Date Report 8-19-71
County ADAMS State COLORADO Elevation 5074 KB Analysts RM; BS
Location SE NE Sec. 34 T3S R59W Remarks CONVENTIONAL CORE ANALYSIS

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	TOTAL WATER % PORE		
1	6061.5-62	<0.1	<0.1	2.9	3.5	72.5		Ss gry vfg v/cly qtz
2	6062-63	<0.1	<0.1	8.1	1.2	61.7		Ss wh vfg v/cly s & p
3	6063-64	<0.1	<0.1	12.3	5.7	65.0		Ss wh vfg v/cly slty carb
4	6072-73	<0.1	<0.1	11.2	0.9	75.8		Ss wh vfg v/cly glauc carb
5	6073-74	<0.1	<0.1	9.3	1.1	72.0		Ss wh vfg v/cly glauc carb
6	6074-75	<0.1	<0.1	10.1	1.0	73.3		Ss wh vfg v/cly s & p carb
7	6075-76	0.2	<0.1	13.6	1.5	83.0		Ss wh vfg v/cly s & p carb
8	6076-77	<0.1	<0.1	14.9	1.3	73.8		Ss wh vfg v/cly glauc carb
9	6077-78	0.3	<0.1	14.7	3.4	77.0		Ss wh vfg v/cly glauc carb
10	6078-79	<0.1	<0.1	16.9	1.2	80.5		Ss wh vfg v/cly glauc carb
11	6079-80	<0.1	<0.1	16.0	1.2	79.4		Ss wh vfg v/cly glauc carb
12	6080-81	<0.1	<0.1	17.2	1.2	78.5	VF	Ss wh vfg v/cly glauc carb
13	6081-82	0.1	<0.1	16.8	0.6	77.5		Ss wh vfg v/cly glauc carb
14	6082-83	<0.1	<0.1	13.4	1.5	76.1		Ss wh vfg v/cly glauc carb
15	6083-84	0.2	<0.1	16.5	3.0	75.1		Ss wh vfg v/cly glauc carb
16	6084-85	0.2	<0.1	12.0	9.2	60.0		Ss wh vfg v/cly glauc carb
17	6085-86	0.8	0.2	15.3	7.2	60.1		Ss wh vfg v/cly glauc carb
18	6086-87	0.4	0.3	17.2	7.6	61.6		Ss wh vfg v/cly glauc carb
19	6087-88	0.2	0.1	15.2	4.6	69.7		Ss wh vfg v/cly glauc carb
20	6088-89	0.1	<0.1	15.5	3.2	72.9		Ss wh vfg v/cly s & p carb
21	6089-90	<0.1	<0.1	15.9	0.6	74.9		Ss wh vfg v/cly s & p carb
22	6090-91	<0.1	<0.1	16.3	3.1	75.5		Ss wh vfg v/cly s & p carb
23	6091-92	<0.1	<0.1	15.2	0.7	73.0		Ss wh vfg v/cly s & p carb
24	6092-93	0.1	<0.1	14.6	3.4	74.0		Ss wh vfg v/cly s & p carb
25	6094-95	<0.1	<0.1	4.7	2.1	70.2		Ss wh vfg v/cly qtz carb
26	6103.5-04	4.5	1.9	13.3	18.0	40.5		Ss tn vfg v/cly carb
27	6104-05	0.5	0.3	11.4	21.0	38.6		Ss tn vfg v/cly carb
28	6105-06	<0.1	<0.1	7.9	17.7	25.3		Ss tn vfg v/cly qtz
29	6106-07	<0.1	<0.1	16.6	4.2	73.0		Ss tn vfg v/cly carb
30	6107-08	<0.1	<0.1	13.3	5.3	79.6		Ss tn vfg v/cly carb

SERVICE NO. 5-A, 1-B. VF = VERTICAL FRACTURE.

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

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