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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXASOIL & GAS
CONSERVATION COMMISSION

Company **RAYMOND OIL COMPANY AND MC ELROY RANCH COMPANY** Formation **AS NOTED** Page **1** of **1**
Well **# 1 RIEKE** Cores **DIAMOND CONVENTIONAL** File **RP-2-2373**
Field **WILDCAT** Drilling Fluid **(OIL ADDED) WATER BASE MUD** Date Report **7/27/60**
County **LOGAN** State **COLORADO** Elevation **4049 KB** Analysts **DOUG INNES**
Location **C SE NE 5-9N-52W** Remarks **SERVICE NO. 8**

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	TOTAL WATER % PORE		
1	"J" SAND 4776-77	0.9	0.4	5.6	12.5	28.6	(2)	Sandstone, light gray, medium grain, clean, vertical fracture.
2	4778-79	31.0	22.0	8.6	10.5	30.2	(2)	Sandstone, light gray, fine grain, clean, vertical fracture.
3	4780-81	0.0	0.0	10.3	0.0	66.0	(2)	Sandstone, light gray, fine grain, numerous shale laminations.
4	4782-83	50	50	14.7	13.6	38.8	(2)	Sandstone, light gray, fine grain, occasional thin shale partings.
5	4784-85	160	129	16.3	16.0	35.0	(2)	Sandstone, light gray, fine grain, clean.
6	4786-87	70	50	14.8	16.2	39.8	(2)	Sandstone, light gray, fine grain, occasional thin carbonaceous partings.
7	4788-89	58	43	14.3	18.2	34.3	(2)	Sandstone, light gray, fine grain, clean.
8	4790-91	7.4	5.9	8.2	11.0	26.8	(2)	Sandstone, light gray, fine grain, clean, vertical fracture.
9	4792-83	64	32	14.6	10.3	41.0	(2)	Sandstone, light gray, medium grain, some clay filling.
10	"O" SAND 5074-75	5.9	3.3	15.7	0.0	74.5	(2)	Sandstone, dark gray, fine grain, shale, clay filled.
11	5075-76	133	114	14.6	32.8	34.2	(2)	Sandstone, dark gray, fine grain, clean, vertical fracture.
12	5076-77	81	42	16.7	44.4	24.6	(2)	Sandstone, dark gray, fine grain, clean, vertical fracture.
13	5077-78	121	28	15.2	15.8	47.5	(2)	Sandstone, dark gray, fine grain, clean, vertical fracture.
14	5078-79	89	34	18.5	8.7	48.0	(2)	Sandstone, dark gray, fine grain, clean, vertical fracture.
15	5079-80	83	73	18.9	6.4	39.6	(2)	Sandstone, dark gray, fine grain, clean.

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

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



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