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CORE LABORATORIES, INC  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

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JUN 24 1963

Company **NORTHERN NATURAL GAS PRODUCING COMPANY** Formation **"D" SAND** OIL & GAS CONSERVATION COMMISSION  
Well **NO. 1 TUTTLE** Cores **DIAMOND** File **RP-2-3026**  
Field **WILDCAT** Drilling Fluid **WBM (OIL ADDED)** Date Report **5/30/63**  
County **WASHINGTON** State **COLORADO** Elevation **4610 KB** Analysts **PARKER**  
Location **SW SW 29-2N-54W** Remarks **CONVENTIONAL ANALYSIS**

## 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	4902-03	21	6.2	20.0	4.0	67.0		ss,fg,shaly, rewd
2	03-04	17	6.3	21.4	10.3	60.7		ss,fg,shaly, rewd
3	04-05	1.1	0.6	20.6	2.9	73.3		ss,fg,shaly, rewd
4	05-06	0.6	0.2	19.6	3.1	79.3		ss,fg,shaly, rewd
5	06-07	1.4	0.4	16.4	4.9	70.8		ss,fg,shaly, rewd
6	4917-18	7.4	3.3	10.1	12.9	32.7		ss,fg,sh pt
7	18-19	21	14	12.0	20.0	29.1		ss,fg,sh pt
8	19-20	78	38	18.4	20.6	39.6		ss,fg,sh pt
9	20-21	33	29	11.7	17.1	24.8		ss,fg,sh pt
10	21-22	182	154	16.2	24.1	25.3		ss,fg,sh pt
11	22-23	50	33	12.5	20.8	22.4		ss,fg,sh pt
12	23-24	373	325	16.7	24.0	38.3		ss,fg,sh pt
13	24-25	221	192	17.2	21.0	42.5		ss,fg,sh pt
14	25-26	403	376	15.8	16.5	53.8		ss,fg,sh pt
15	4928-29	78	63	16.3	0.0	82.3		ss,fg,sh pt
16	31-32	275	250	20.8	9.1	63.0		ss,fg,sh pt
17	34-35	155	127	15.7	0.0	74.6		ss,fg,sh pt
18	37-38	471	410	15.7	7.0	80.2		ss,fg,sh pt
19	4940-41	357	314	17.4	0.0	88.9		ss,fg,sh pt

## NOTE:

(\*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

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

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