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CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

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JUL 27 1973

COLORADO OIL &amp; GAS CONS. COMM.

Company ALPHA OMEGA EXPLORATION COMPANY Formation SUSSEX Page 1 of 1  
Well NO. 1 CACTUS HILL Cores DIA CONV 3.5" File RP-2-4516  
Field WILDCAT Drilling Fluid WEM Date Report 7-5-73  
County WELD State COLORADO Elevation 5213 .B Analysts RG  
Location NW SW SEC 21-7N-67W Remarks \_\_\_\_\_

## 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	4156-57	<0.1	<0.1	13.1	0.0	86.3		SS DK GY FN GR SLTY SHLY CLY
2	4171-72	<0.1	<0.1	8.6	0.0	75.8		SS DK GY FN GR SLTY SHLY CLY
3	4185-86	0.2	<0.1	11.3	4.3	83.4		SS DK GY FN GR SLTY V/SHLY CLY
4	4187.5-88	0.1	0.1	12.5	0.8	75.4		SS DK GY FN GR SLTY SHLY CLY
5	4188-89	1.9	0.9	15.6	7.3	66.8		SS GY FN GR S/SHLY CLY
6	89-90	5.5	3.5	16.1	11.0	54.3		SS GY FN GR S/SHLY CLY
7	90-91	0.3	0.2	15.8	7.1	72.3		SS GY FN GR S/SHLY CLY
8	91-92	0.2	0.1	9.9	0.0	64.9		SS GY FN GR SIL S/SHLY CLY
9	92-93	<0.1	<0.1	10.3	0.0	77.5		SS GY FN GR SIL S/SHLY CLY
10	93-94	0.8	0.2	14.1	6.1	67.2		SS GY FN GR SILTY SHLY CLY
11	94-95	1.8	0.3	16.5	8.1	73.8		SS GY FN GR SL/SIL CLY
12	95-96	4.0	2.2	17.3	11.4	56.6		SS GY FN GR SL/SIL CLY
13	96-97	0.3	0.1	11.6	1.7	71.1		SS GY FN GR SL/SIL CLY
14	97-98	<0.1	<0.1	7.0	0.0	85.4		SS DK GY FN GR SLTY V/SHLY CLY
15	98-99	0.1	<0.1	9.5	0.0	88.9		SS DK GY FN GR SLTY V/SHLY CLY
16	4199-4200	<0.1	<0.1	9.4	0.0	89.7		SS DK GY FN GR SLTY V/SHLY CLY
17	4202-03	<0.1	<0.1	6.7	0.0	85.5		SS DK GY FN GR SLTY V/SHLY CLY

## NOTE:

(\*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

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

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