CORE ANALYSIS FOR

BURSCAN OIL COMPANY

NO. 2 OH WELL

WILDCAT FIELD

McKINLEY COUNTY, NEW MEXICO

CORE

CA-20

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company BURSCAN OIL COMPANY | Formation MESA VERDE | File RP-3-2248
Well OH #2 | Core Type D/C | Date Report 9/2/67
Field WILDCAT | Drilling Fluid FRESH WATER | Analysts GRAHAM
County McKINLEY State NEW MEX. Elev. | Location SEC. 28-T20N-R9W

Lithological Abbreviations

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

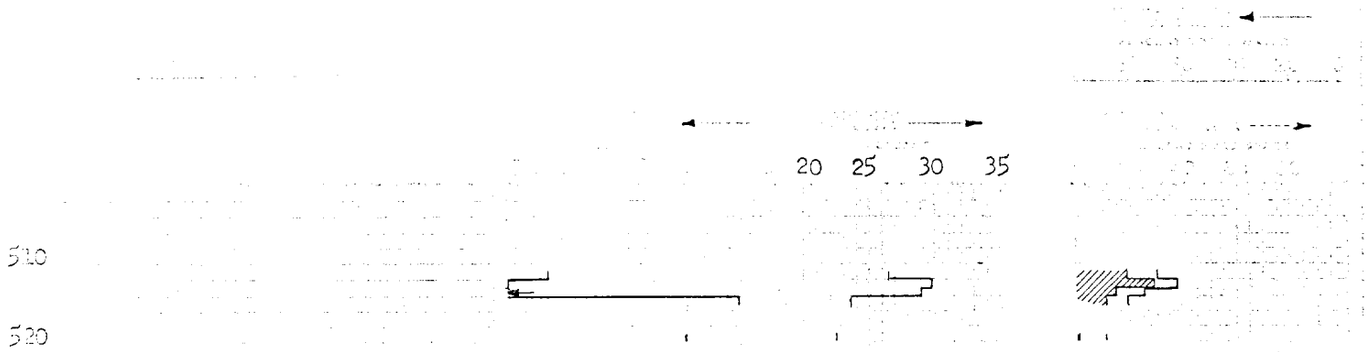
SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS K_A	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	511-12	90.0	26.6	19.2	70.6	SS:LT GRY,FN,ARGIL,SLTY
2	512-13	196.0	29.9	28.1	62.5	SS:LT GRY,V/FN-FN,SLI/ARGIL,SLI/CALC
3	513-14	349.0	29.0	14.8	76.2	SS:LT GRY,FN,SLI/ARGIL,SLI/CALC
4	514-15	2.1	23.5	11.5	80.4	SS:LT GRY,V/FN,V/ARGIL,V/SLTY
5	519-20	6.0	22.5	1.3	89.7	SS:LT GRY,FN-MED,ARGIL,FEW PEBBLES,CALC

SERVICE #5-A

BURSCAN OIL COMPANY | WILDCAT | RP-3-2248

OH #2 | McKINLEY | 9/2/67

SEC. 28-T20N-R9W | NEW MEXICO



CL-529

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: Mesa Verde - 511.0 to 514.0 feet

FEET OF CORE RECOVERED FROM ABOVE INTERVAL	3	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	69.8
FEET OF CORE INCLUDED IN AVERAGES	3	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE	
AVERAGE PERMEABILITY: MILLIDARCYS	211.7	OIL GRAVITY: °API	
PRODUCTVE CAPACITY: MILLIDARCY-FEET	635	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL	
AVERAGE POROSITY: PER CENT	28.5	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	20.7	CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	

Calculated maximum solution gas drive recovery is barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is barrels per acre-foot, assuming full maintenance of original reservoir pressure, 100% areal and vertical coverage, and continuation of production to 100% water cut. *(Please refer to footnotes for further discussion of recovery estimates.)*

INTERPRETATION OF DATA

511.0 - 514.0 feet - High water saturations indicate increasing volumes of water.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.