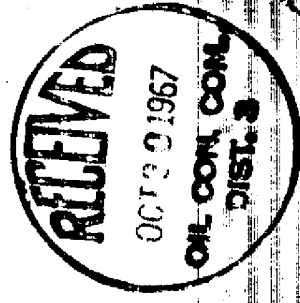


CORE ANALYSIS FOR
BURSCAN OIL COMPANY
NO. 5 OH WELL
WILDCAT FIELD
MCKINLEY COUNTY, NEW MEXICO



OH-CON

JOHN C. HARRIS, INC.

Petroleum Reservoir Engineering

BURSCAN OIL COMPANY

WILDCAT

RP-3-2244

OH #5

COUNTY: McKINLEY

DATE 8/21/67

SEC. 28-T20N-R9W

NEW MEXICO

BLK. 1

1/2" BEAL SCALE: 5" HORIZ.

SANDSTAIN

TOTAL WATER
PERCENT TOTAL WATER
80 60 40 20 0

10 20 30 40

5:10

5:20

5:30

CL-529

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: 513.0 to 519.0 feet - Mesa Verde

FEET OF CORE RECOVERED FROM ABOVE INTERVAL	6	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	85.3
FEET OF CORE INCLUDED IN AVERAGES	6	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE	
AVERAGE PERMEABILITY: MILLIDARCY	83.6	OIL GRAVITY: °API	
PRODUCTIVE CAPACITY: MILLIDARCY-Feet	502	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL	
AVERAGE POROSITY: PER CENT	25.7	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	4.9	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.)

513.0 - 519.0 feet - This interval will produce water and should be excluded from any completion attempts, due to higher than normal water saturations.

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.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

Page No. 1**CORE ANALYSIS RESULTS**

Company BURSCAN OIL COMPANY Formation MESA VERDE File RP-3-2244
 Well OH #5 Core Type CONVENTIONAL Date Report 8/21/67
 Field WILDCAT Drilling Fluid FRESH WATER Analysts GRAHAM
 County McKINLEY State NEW MEX. Elev. Location SEC. 28-T20N-R9W

Lithological Abbreviations

SAND-SO SHALE-SH LIME-LM	DOLomite-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SDV 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 MILLIDARCY K	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS		
				OIL	TOTAL WATER			

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY K	POROSITY PER CENT	OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	513-14	0.36	13.9	5.0	86.4	SS:GRY,FN,V/ARGIL,V/SLTY
2	514-15	118.0	24.0	4.2	85.6	SS:LT GRY,FN,SLI/ARGIL
3	515-16	88.0	27.3	6.6	81.6	SS:LT GRY,FN,SLI/ARGIL
4	516-17	58.9	27.5	2.9	88.0	SS:LT GRY,FN,ARGIL,SLT STRNGRS,SLI/CALC
5	517-18	187.0	29.0	5.9	84.2	SS:LT GRY,FN,SLI/ARGIL
6	518-19	49.5	30.4	4.6	85.7	SS:LT GRY,V/FN-FN,ARGIL,SLT STRNGRS

SERVICE #1-A

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