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Form F-11B

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

Page 1 of 1 File RP-2-1883 FC & PC
 Well Beeman No. 1

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: "D" Sand 4958.5-4964.0			
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	4.5	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	43.7
FEET OF CORE INCLUDED IN AVERAGES	4.5	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE (m)	43.7
AVERAGE PERMEABILITY: MILLIDARCY	663	OIL GRAVITY: °API (e)	38
PRODUCTIVE CAPACITY: MILLIDARCY-Feet	2984	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL (e)	600
AVERAGE POROSITY: PER CENT	21.8	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL (e)	1.35
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	14.6	CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	705

Calculated maximum solution gas drive recovery is 193 barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is 458 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.)

FORMATION NAME AND DEPTH INTERVAL: "D" Sand 4966.0-4972.0			
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	6.0	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	44.8
FEET OF CORE INCLUDED IN AVERAGES	6.0	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE (m)	44.8
AVERAGE PERMEABILITY: MILLIDARCY	413	OIL GRAVITY: °API (e)	42
PRODUCTIVE CAPACITY: MILLIDARCY-Feet	2065	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL (e)	600
AVERAGE POROSITY: PER CENT	21.8	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL (e)	1.35
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	10.1	CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	691

Calculated maximum solution gas drive recovery is 189 barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is 521 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.)

(c) Calculated (e) Estimated (m) Measured (*) Refer to attached letter.

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.

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