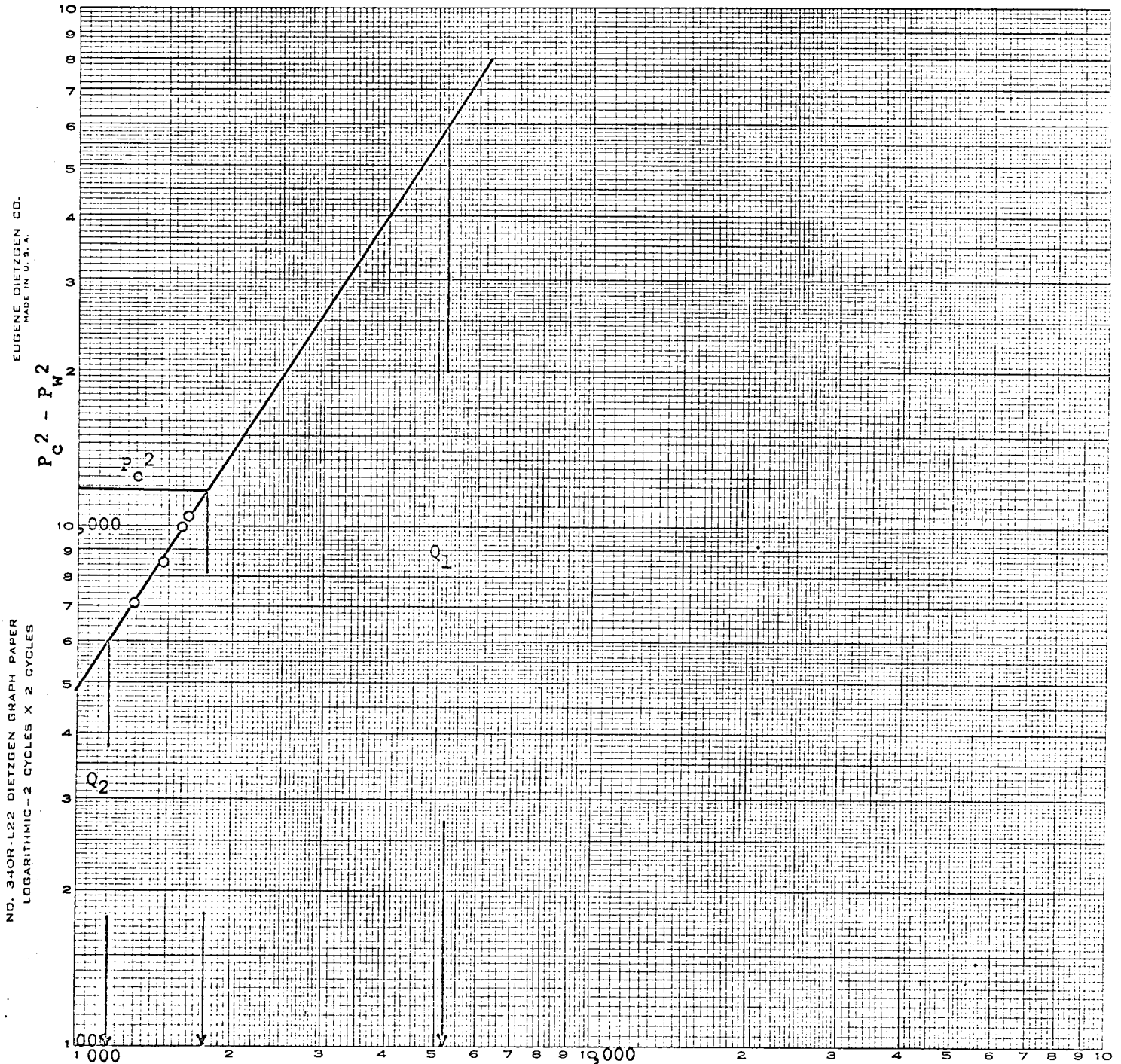


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O. C. C.
ARTESIA, OFFICE

OPERATOR Pennzoil United, Inc.
LEASE Gulf-Federal
WELL NO. 2
FIELD South Carlsbad (Morrow)
DATE 2-7-72



Q in Mcf/Day

$Q_1 = 5200 \text{ Mcf} \quad \text{Log} = 3.71600$

$Q_2 = 1150 \text{ Mcf} \quad \text{Log} = 3.06070$

.65530

$n = .655$

$\theta = 56^\circ 46'$

Absolute Open Flow = 1765 Mcf/Day