

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 7-7-70

Operator EL PASO NATURAL GAS COMPANY		Lease Huerfano Unit No. 205	
Location 1850 S, 1850 E, S 28, T26N, R9W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6764	Tubing: Diameter 2.375	Set At: Feet 6659
Pay Zone: From 6432	To 6666	Total Depth: 6764	Shut In 6-24-70
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

meter Choke Size, inches 4" MR 2.750 orifice		meter Choke Constant: C 41.9208		well test thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1940	+ 12 = PSIA 1952	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 1959	+ 12 = PSIA 1971	
Flowing Pressure: P PSIG 153 MR 418 WH	+ 12 = PSIA 165 MR 430 WH		Working Pressure: Pw PSIG 845	+ 12 = PSIA 857	
Temperature: T=82 °F Ft=.9795	n = .75		Fpv (From Tables) 1.017	Gravity .700	Fg = 1.1952

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = calc. from orifice meter reading = 3455 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Note: well produced 59.29 bbls. of 47.1 API gravity oil during test.

Aof = $\left(\frac{3884841}{3150392} \right)^n = 3455 \times 1.2331^{.75} = 3455 \times 1.1702$

Aof = 4043 MCF/D

TESTED BY R. E. Stauffer & R. E. Fielder

WITNESSED BY



H. L. Kendrick