

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CRITICAL LEASE
RE-CONNECT IMMEDIATELY

DATE October 9, 1975

Operator El Paso Natural Gas Company		Lease Marcotte #1 (OWWO)	
Location 1650'/N, 1650'/E, Sec. 8, T31N, R10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5247'	Tubing: Diameter 2.375	Set At: Feet 5149'
Pay Zone: From 4384'	To 5192'	Total Depth: PBDT 5250' 5230'	Shut In 9-28-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Plate Choke Size, Inches 2.500 4" MR		Meter Choke Constant: C 32.64		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 665	+ 12 = PSIA 677	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 565	+ 12 = PSIA 577	
Flowing Pressure: P PSIG MR 75 WH 211	+ 12 = PSIA MR 87 WH 223		Working Pressure: P _w PSIG 560	+ 12 = PSIA 572	
Temperature: T = 66 °F F _t = .9943	n = .75		F _{pv} (From Tables) 1.009	Gravity .685 F _g = 1.208	

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

Q = Calculated from orifice meter readings = 2822 MCF/D

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

Aof = Q $\left(\frac{458329}{131145} \right)^n = 2822(3.4948)^{.75} = 2822 (2.5560)$

Aof = 7213 MCF/D

TESTED BY C. Rhames & D. Norton

WITNESSED BY _____

Note: This well produced 3 Bbl. of water and no oil during the test. 359.27 MCF of gas was vented to the atmosphere.

[Signature]
Well Test Engineer

