

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE June 28, 1957

Operator El Paso Natural Gas Company		Lease Lackey No. 10-B	
Location 1750'N, 1690'E, Sec. 21-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At: Feet 5388	Tubing Diameter 2"	Set At: Feet 5650
Pay Zone: From 5500	To 5580	Total Depth: 5745 - c/o 5704. Packer at 5401	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		5 1/2" liner - 5297 to 5747	
Shut-In Pressure, Casing, PSIG 628 P.C.	- 12 - PSIA 640	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 927	- 12 - PSIA 939
Flowing Pressure: P PSIG 167	- 12 - PSIA 179		Working Pressure: P _w PSIG Calculated	- 12 - PSIA 353
Temperature: T °F 75			Fpv (From Tables) 1.018	Gravity .710

Ending P.C. SIPC - 629 psig

CHOKE VOLUME = $Q \cdot C \cdot P_1 \cdot F_1 \cdot F_g \cdot F_{pv}$

$$Q = 12.365 \times 179 \times .9859 \times .9193 \times 1.018 \quad \text{---} \quad 2042 \quad \text{---} \quad \text{MCF/D}$$

$$\text{OPEN FLOW} = A_{of} \cdot Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} \left(\frac{881,721}{757,112} \right)^n = 1.1645^{.75} \times 2042 = 1.1212 \times 2042$$

Slight fog of distillate during 3 hour test.

$$A_{of} \quad \text{---} \quad 2289 \quad \text{---} \quad \text{MCF/D}$$

TESTED BY K. C. McBrideWITNESSED BY Fred Cook, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr. (6)



L. D. Galloway
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