

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 4, 1957

Operator Texas National		Lease Rincon No. 84	
Location 990'N, 990'E, Sec. 26-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5-1/2	Set At: Feet 5665	Tubing: Diameter 2"	Set At: Feet 5554
Pay Zone: From 5062	To 5554	Total Depth: 7790	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 1032	- 12 = PSIA 1044	Days Shut-In 44	Shut-In Pressure, Tubing, PSIG 1035	- 12 = PSIA 1047	
Flowing Pressure: P, PSIG 50	- 12 = PSIA 62		Working Pressure: P _w , PSIG 166	- 12 = PSIA 178	
Temperature: T, °F 66			F _{pv} (From Tables) 1.009	Gravity 690	

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 14.1605 \times 62 \times .9943 \times .9325 \times 1.009 = 821 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,096,209}{1,064,525} \right)^n = 1.0297^{.75} \times 822 = 1.022 \times 821$$

Aof 839 MCF/DTESTED BY R. A. Ullrich and R. ProctorWITNESSED BY Dave Johnson (Texas National)

Texas National (2)

L. D. Galloway
L. D. Galloway



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