

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 25, 1957

Operator Benson-Montin-Greer		Lease Hill No. 1	
Location 990'N, 990'E, Sec. 20-24-3		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 3140	Tubing: Diameter 1-1/4	Set At: Feet 3140
Pay Zone: From 3066	To 3108	Total Depth: 3145 - c/o 3111	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 929	12" PSIA 941	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 929
Flowing Pressure: P, PSIG 100	12" PSIA 112		Working Pressure: Pw, PSIG 105
Temperature, F 57	F .85		Gravity .660 est.
			Flow Through Tubing

CHOKE VOLUME $Q = C \times P_r \times F \times F_a \times F_p$ $Q = 12.365 \times 112 \times 1.0029 \times .9535 \times 1.011$ 1339 MCF/D

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

$$A_{of} = \left(\frac{885,481}{871,792} \right)^n \cdot 1.0157^{.85} \times 1339 = 1.0133 \times 1339$$

 $A_{of} = 1357$ MCF/DTESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (Benson-Montin-Greer)

cc: Virgil Stoabs (4)

L. D. Galloway
L. D. Galloway

