

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE July 12, 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 Pictured Cliffs		Pool Aztec	
Casing: Diameter 7 5/8	Set At: Feet 5388	Tubing: Diameter 1 1/4	Set At: Feet 3231
Pay Zone: From 3238	To 3262	Total Depth: 5745 - c/o 5704. Packer at 5401	
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches 0.75	Choke Constant: C 12.365	5 1/2" liner. 5297 to 5747	
Shut-In Pressure, Casing, PSIG 696	PSIA 708	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG 696
Flowing Pressure: P, PSIG 224	PSIA 236		Working Pressure: Pw, PSIG 232
Temperature: T, F 62			Gravity .650
			Fpv (From Tables) 1.023

Starting SIPT (Mesa Verde) - 1021 psig. Final SIPT (Mesa Verde) - 1024 psig

CHOKE VOLUME: $Q = C \times P_c \times F_c \times F_g \times F_{pv}$ $Q = 12.365 \times 236 \times .9981 \times .9608 \times 1.023 = 2863$ MCF/D

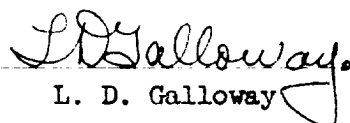
$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{501,264}{441,728} \right)^n \times 1.1347^{.85} \times 2863 = 1.1132 \times 2863$$

 $A_{of} = 3187$ MCF/DDESIGNED BY R. A. Ullrich

APPROVED BY _____

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


 L. D. Galloway


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