

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE May 22, 1957

Operator El Paso Natural Gas Company		Lease Storey No. 8-C	
Location 1450'S, 1850'W, Sec. 33-28-9		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7 5/8	Set At: Feet 5280	Tubing: Diameter 1 1/4	Set At: Feet 3137
Pay Zone: From 3128	To 3178	Total Depth: 5645 - c/o 5500. Packer at 5380	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant: C 12.365		5 1/2" liner 5221 to 5645	
Shut-In Pressure, Casing, PSIG 687	- 12 = PSIA 699	Days Shut-In 25	Shut-In Pressure, Tubing, PSIG 687	- 12 = PSIA 699
Flowing Pressure: P, PSIG 181	- 12 = PSIA 193		Working Pressure: P _w , PSIG 185	- 12 = PSIA 197
Temperature: T, °F 61	n = .85		Fpv (From Tables) 1.017	Gravity 631

SIPT (Mesa Verde)) 1032 psig. Final SIPT 1035 psig.

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 12.365 \times 193 \times .9990 \times .9759 \times 1.017 = 2366 \text{ MCF/D}$$

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

$$Aof = \left(\frac{488,601}{449,792} \right)^n = 1.0862^{.85} \times 2366 = 1.0728$$

$$Aof = 2538 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. J. Coal (6)

L. D. Calloway

OIL CONSERVATION COMMISSION

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