

OPEN FLOW TEST DATA

DATE September 27, 1967

Operator El Paso Natural Gas Company		Lease Day A No. 7	
Location 1180'S, 1100'E, Sec. 7, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3122	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 3002	To 3030	Total Depth: 3122	Shut In 9-14-67
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 910	+ 12 = PSIA 922	Days Shut-In 13	Shut-In Pressure, Tubing PSIG NO TUBING	+ 12 = PSIA	
Flowing Pressure: P PSIG 100	+ 12 = PSIA 112	Working Pressure: P _w PSIG CALC .	+ 12 = PSIA 141		
Temperature: T = 58 °F	n = F _t = 1.0019 .85	F _p (From Tables) 1.010	Gravity .635	F _g = .9721	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(112)(1.0019)(.9721)(1.010) = \underline{1362} \text{ MCF/D}$$

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

$$Aof = \left(\frac{850084}{830203} \right)^n = (1362)(1.0239)^{.85} = (1362)(1.0203)$$

NOTE: Well blew dry gas throughout the test.

$$Aof = \underline{1390} \text{ MCF/D}$$

TESTED BY T. NortonCHECKED
WITNESSED BY A. J. Loleit

H. L. Kendrick
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