

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8-31-66

Operator El Paso Natural Gas Company		Lease Riddle "F" No. 6	
Location T95'S, 1490'E, Sec. 32, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2720	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 2632	To 2676	Total Depth: 2725	Shut In 8-13-66
Stimulation Method Sand Water Free		Flow Through Casing X	Flow Through Tubing ----

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-in Pressure, Casing, PSIG 828	+ 12 = PSIA 840	Days Shut-In 18	Shut-in Pressure, Tubing PSIG No tubing	+ 12 = PSIA ----	
Flowing Pressure: P PSIG 271	+ 12 = PSIA 283		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 350	
Temperature: T = 68 °F	n = Ft = .9952		Fpv (From Tables) 1.027	Gravity .650	Fg = .9608

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(283)(.9952)(.9608)(1.027) = \underline{3436} \text{ MCF/D}$$

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

$$Aof = \left(\frac{705600}{563100} \right)^{.85} = (3436)(1.2100)^{.85} = (1.1759)(3436)$$

NOTE: Well blew dry gas

$$Aof = \underline{1040} \text{ MCF/D}$$

TESTED BY R. HendrickRECEIVED BY A. J. Tolett

R. L. Hendrick
H. L. Hendrick

