

OPEN FLOW TEST DATA

DATE 7-4-75

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit #86	
Location 1840/N, 1620/W, Sec. 14, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3258'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3116	To 3140'	Total Depth: PBD 3258' 3248'	Shut In 6-19-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.3650		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 910	+ 12 = PSIA 922	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 282	+ 12 = PSIA 294	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA		
Temperature: T = 61 °F	n = Ft = .9990	Fpv (From Tables) 1.008	Gravity .635	Fg = .9721	

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

$$Q = 12.365(294)(.9990)(.9721)(1.008) = \underline{3559} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{850084}{711348} \right)^n = 3559(1.1950)^{.85} (1.1635)(3559)$$

$$Aof = \underline{4141} \text{ MCF/D}$$

Note: Blew dry gas throughout test. Vented gas to atmosphere= 492 MCF.

TESTED BY Goodwin

WITNESSED BY C. R. Wagner

C. R. Wagner
Well Test Engineer

