

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 25, 1975

Operator El Paso Natural Gas Company		Lease Scott #13	
Location 1640/N, 1100/W, Sec. 3, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 2904'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2727'	To 2768'	Total Depth: PBT 2904'	Shut In 9-18-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 928	+ 12 = PSIA 940	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 134	+ 12 = PSIA 146		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 181	
Temperature: T = 60 °F	Ft = 1.000	n = .85	Fpv (From Tables) 1.014	Gravity 0.635	Fg = .9721

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

$$Q = 12.365(146)(1.000)(9721)(1.014)$$

$$= \underline{1779} \text{ MCF/D}$$

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


$$Aof = Q \left(\frac{883600}{879777} \right)^n = 1779(1.0043)^{.85} = 1779(1.0037)$$

$$Aof = \underline{1786} \text{ MCF/D}$$

Note: Well produced medium fog of distillate and water throughout test. Well vented 245 MCF to atmosphere during test.

TESTED BY Don Norton

WITNESSED BY _____


Well Test Engineer
