

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE August 20, 1974

Operator El Paso Natural Gas Company		Lease Day #8	
Location 1125/S, 988/W, Sec. 9, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3245'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3130'	To 3166'	Total Depth: PBT 3245' 3234'	Shut In 8-13-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1032	+ 12 = PSIA 1044	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 119	+ 12 = PSIA 131		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 166	
Temperature: T = 70 °F	F <sub>t</sub> = .9905	n = .85	F <sub>pv</sub> (From Tables) 1.010	Gravity .635	F <sub>g</sub> = .9721

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

$$Q = 12.365(131)(0.9905)(0.9721)(1.0100) = \underline{1575} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{1089936}{1062380} \right)^n = 1575(1.0259)^{.85} = 1575(1.0220)$$

$$Aof = \underline{1610} \text{ MCF/D}$$

Note: The well produced a light fog of distillate and water during the test.

TESTED BY D. Norton

WITNESSED BY \_\_\_\_\_

Loren W Fothergill  
Loren W. Fothergill  
Well Test Engineer

