

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 11, 1974

Operator El Paso Natural Gas Company		Lease Florance A #3	
Location 1840/N, 1500/E, Sec 25, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2865'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2700'	To 2746'	Total Depth: PBD 2865' 2853'	Shut In 4-4-74
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 1004	+ 12 = PSIA 1016	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 133	+ 12 = PSIA 145	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 180		
Temperature: T = 53 °F	n = Ft = 1.0068	Fpv (From Tables) 1.014	Gravity .635	Fg = .9721	

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

$$Q = 12.365(145)(1.0068)(.9721)(1.014) = \underline{1779} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1032256}{999856} \right)^n = 1779(1.0324)^{.85} = 1779(1.0275)$$

$$Aof = \underline{1828} \text{ MCF/D}$$

Note: The well blew a dry gas.

TESTED BY Goodwin

WITNESSED BY _____

Loren W. Fothergill
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 Well Test Engineer

