

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 5, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Johnston No. 1 (OWWO)	
Location 990 S- 1700 W 11-28N-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2274	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2148	To 2188	Total Depth: 2275	Shut In 12-18-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 571	+ 12 = PSIA 583	Days Shut-In 18	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 52	+ 12 = PSIA 64	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 76		
Temperature: T = 66 °F	Ft = .9943	n = .085	Fpv (From Tables) 1.007	Gravity .626 Fg = .9790	

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365)(64)(.9943)(.9790)(1.007) = 776 MCF/D

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

Note: The well produced a light fog of water and dist. throughout the test.

Aof = $\left(\frac{339889}{334113} \right)^n = (776)(1.0173)^{.85} = (776)(1.0146)$

Aof = 787 MCF/D



TESTED BY Clarence R. Wagner

WITNESSED BY _____

H. E. McAnally
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