

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 26, 1972

Operator El Paso Natural Gas Company		Lease Atlantic D Com H No. 9	
Location 1190/N, 1090/E, Sec. 16 - 30N - 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3180	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3074	To 3086	Total Depth: 3180	Shut In 6-17-72
Stimulation Method S.W.F.		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 915	+ 12 = PSIA 927	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 105	+ 12 = PSIA 117	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 148		
Temperature: T = 67 °F	n = .85	Fpv (From Tables) 1.010	Gravity .635	Fg = .9721	

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

$$Q = (12.365)(117)(.9933)(.9721)(1.010) = 1411 \text{ MCF/D}$$

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

NOTE: Well produced a very light mist of distillate and water throughout the test.

$$Aof = \left( \frac{859329}{837425} \right)^{.85} = (1.0262)^{.85} (1.411) = (1.0222)(1.411)$$

$$Aof = 1,442 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY

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