

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

Dual Completion

DATE 9-26-66

Operator EL Paso Natural Gas Company		Lease Southern Petroleum St. No. 3 (P3) (OWN)	
Location 990'N, 1650'W, Sec. 32, T-26-N, R-6-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5.500	Set At: Feet 2419	Tubing: Diameter 1.660	Set At: Feet 2348
Pay Zone: From 2340	To 2384	Total Depth: 3343	Shut In 9-19-66
Stimulation Method Sand Water frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .750	Choke Constant: C 12.365		Baker Model "D" Packer Set at 2396		
Shut-In Pressure, Casing, PSIG 420	+ 12 = PSIA 432	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 420	+ 12 = PSIA 432	
Flowing Pressure: P PSIG 28	+ 12 = PSIA 40		Working Pressure: P _w PSIG 30	+ 12 = PSIA 42	
Temperature: T = 61 °F	F _t = .9990	n = .85	F _{pv} (From Tables) 1.005	Gravity .750	F _g = .8944

ISIP (MW) = 914 psig
 FSIP (MW) = 914 psig

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

Q = (12.365)(40)(.9990)(.8944)(1.005) = 444 MCF/D

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

Aof = $\left(\frac{186624}{184860} \right)^{.85} = (444)(1.0095)^{.85} = (444)(1.0081)$

NOTE: Well Produced Dry Gas throughout the entire test.

Aof = 448 MCF/D

TESTED BY Jesse B Goodwin

Checked

WITNESSED BY H. E. McNally



H. L. Kendrick

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