

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 10, 1967

Operator El Paso Natural Gas Company		Lease Feasel No. 2	
Location 990'N, 1650'E, Sec. 2, T-27-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Fulcher Kutz	
Casing: Diameter 2.875	Set At: Feet 2030	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 1914	To 1960	Total Depth: 2075	Shut In 9-30-67
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 415	+ 12 = PSIA 427	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG NO TUBING	+ 12 = PSIA	
Flowing Pressure: P, PSIG 67	+ 12 = PSIA 79	Working Pressure: P <sub>w</sub> , PSIG Calc.	+ 12 = PSIA 91		
Temperature: T = 75 °F	n = .85	F <sub>pv</sub> (From Tables) 1.006	Gravity .645	F <sub>g</sub> = .9645	

CHOKE VOLUME = Q = C × P<sub>i</sub> × F<sub>t</sub> × F<sub>g</sub> × F<sub>pv</sub>

Q = (12.365)(79)(.9859)(.9645)(1.006) = 934 MCF/D

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

Aof =  $\left( \frac{182320}{173865} \right)^n = 934 (1.0486)^{.85} = (934)(1.0412)$

NOTE: The well unloaded a heavy fog of water in approximately three minutes, and blew a heavy spray of water throughout the test.

Aof = 972 MCF/D



TESTED BY Don Norton

CALCULATED BY A. J. Loleit

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