

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9-9-71

Operator El Paso Natural Gas Company		Lease Jicarilla 183 No. 3	
Location 1800' S, 990' W, S 28 T23N, R3W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 3239	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3090	To 3106	Total Depth: 3239	Shut In 9-1-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, 444	PSIG	+ 12 = PSIA 456	Days Shut-In 8	Shut-In Pressure, Tubing no tubing	PSIG
Flowing Pressure: P 55	PSIG	+ 12 = PSIA 67		Working Pressure: Pw calculated	PSIG
Temperature: T = 66 °F		n = .85		Fpv (From Tables) 1.011	Gravity .715 Fg = .9161

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

Q = 12.365 x .9943 x .9161 x 1.011 = 763 MCF/D

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

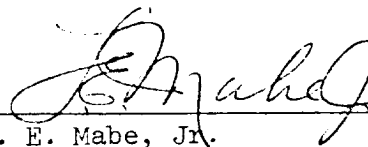
Note: Well blew dry gas throughout test.

Aof = $\left(\frac{207936}{200792} \right)^{.85} = 763(1.0355)^{.85} = 763(1.0301)$

Aof = 786 MCF/D

TESTED BY T. D. Norton & B. J. Broughton

WITNESSED BY


L. E. Mabe, Jr.