

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 27, 1967

Operator El Paso Natural Gas Company		Lease Storey No. 5	
Location 1005'S, 1150'E, Sec. 26, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2530	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2364	To 2392	Total Depth: 2532	Shut In 9-15-67
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1035	+ 12 = PSIA 1047	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 268	+ 12 = PSIA 280		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 341	
Temperature: T = 64 °F	n = .85		Fpv (From Tables) 1.027	Gravity .650	Fg = .9608

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

$$Q = (280)(12.365)(.9962)(.9608)(1.027) = \underline{3403} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1096209}{979928} \right)^n = (3403)(1.1186)^{.85} = (3403)(1.0999)$$

NOTE: Blew clear gas for entire test.

$$Aof = \underline{3743} \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinCHECKED BY A. J. LoleitWITNESSED BY A. J. Loleit


H. L. Kendrick
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