

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 13, 1968

Operator El Paso Natural Gas Company		Lease Howell No. 8	
Location 930'N, 1340'E, Sec. 35, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 2.875	Set At: Feet 2317	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2662	To 2685	Total Depth: 2317	Shut In 10-31-68
Simulation 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 1017	+ 12 = PSIA 1029	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 166	+ 12 = PSIA 178		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 220	
Temperature: T = 57 °F	F _t = 1.0029	n = .85	Fpv (From Tables) 1.016	Gravity .655	F _g = .9571

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

Q = (12.365)(178)(1.0029)(.9571)(1.016) = 2146 MCF/D

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

Aof = $\left(\frac{1058841}{1010442} \right)^n = (2146)(1.0478)^{.85} = (2146)(1.0405)$

Note: The well produced dry gas throughout the test.

Aof = 2233 MCF/D

TESTED BY D. Norton
Calculated
WITNESSED BY H. E. McAnally
Checked by G. A. Libman

RECEIVED
NOV 18 1968
OIL CON. COM.
DIST 3
H. L. Kendrick
H. L. Kendrick