

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 7, 1964

Operator Beta Development Company	Lease Potter Canyon No. 1
Location 1450'N, 2480'E, Sec. 7, T-29-N, R-10-W	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4.500 Set At Feet 6678	Tubing Diameter 2.375 Set At Feet 6630
Pay Zone From 6534 To 6667	Total Depth 6678 Shut In 11-27-64
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant, C 12.365	Company Distribution Only	
Shut-In Pressure, Casing, PSIG 2220	PSIG 12 PSIA 2232	Days Shut in 10	Shut-In Pressure, Tubing, PSIG 12 PSIA 2231
Flowing Pressure, P, PSIG 12 PSIA 465	477	Working Pressure, Pw, PSIG 12 PSIA 1335	1347
Temperature: T 86 F F _i .9759 F _g .75		F _{ps} (From Tables) 1.044	Gravity .670 F _g .9463

CHOKE VOLUME $Q = C \times P_1 \times F_i \times F_g \times F_{pv}$

$$Q = (12,365)(477)(.9759)(.9463)(1.044)$$

5687

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_w^2}{P_i^2 - P_w^2} \right)^n$

$$Aof = \left(\frac{4,981,824}{3,167,415} \right)^n (5687)(1.5728)^{.75} = (5687)(1.4044)$$

NOTE: The well produced a light fog of dist. and water throughout the test.

Aof 7987 MCF/D

TESTED BY George Hoffman (Beta)

WITNESSED BY C. R. Wagner (EPNG)

CALCULATED BY Herman E. McNally



Lewis D. Galloway