

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 6, 1958

Operator El Paso Natural Gas Company		Lease Sunray No. 1-J (M)	
Location 1090S, 990W; 7-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool	
Casing: Diameter 7-5/8	Set At: Feet 4534	Tubing: Diameter 2"	Set At: Feet 5136
Pay Zone: From 4962	To 5094	Total Depth: 5218	Shut-In 2-9-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365	5-1/2 Liner	4492-5213
Shut-In Pressure, Casing, (PC) 682 PSIG	12 - PSIA 694	Days Shut-In 25(MV)	Shut-In Pressure, Tubing (MV) 932 PSIG
Flowing Pressure: P (MV) 354 PSIG	12 - PSIA 366	Working Pressure: Pw (Calc) 716 PSIG	12 - PSIA
Temperature: T 70 F	n 0.75	Fpv (From Tables) 1.038	Gravity 0.674

Initial SIPC (PC) **682 PSIG**
Final SIPC (PC) **685 PSIG**

1-1/4" at 2732 Pkr. at 4503

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365) (366) (.9905) (.9463) (1.038) 4403 MCF/D

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

Aof $\left(\frac{891136}{378480} \right)^n = (2.3545)^{.75} (4399) = (1.9000) (4403)$

Aof 8366 MCF/D

TESTED BY S. V. Roberts

WITNESSED BY _____



Lewis D. Galloway
L. D. Galloway

