

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE November 25, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28.- 7 Unit No. 81 (PM)	
Location 1675'N, 1750'E, Sec. 9-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3558	Tubing: Diameter 2"	Set At: Feet 5732
Pay Zone: From 5059	To 5736	Total Depth: 5843	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG PC 873	12 PSIA 885	Days Shut-In 7	Shut-In Pressure, Tubing PSIG MV 970
Flowing Pressure: P PSIG 127	12 PSIA 139	Working Pressure: Pw PSIG Calculated	12 PSIA 278
Temperature: T °F 60	°F .750	Fpv (From Tables) 1.014	Gravity .680

Final SIPC (PC) - 876 psig. Packer at 3558. Sleeve at 3434

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 139 \times 1.0000 \times .9393 \times 1.014$$

1637

MCF/D

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

$$Aof = \left(\frac{204,324}{887,040} \right)^n$$

$$1.0871^{.75} \times 1637 = 1.0646 \times 1637$$

$$Aof = 1743 \text{ MCF/D}$$

TESTED BY R. R. Davis

WITNESSED BY _____

Heavy fog of fresh water and condensate for first 3 minutes, then medium fog remainder of test period.

cc: E. S. Oberly (6)

L. D. Galloway

