

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE November 27, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 66 (M)	
Location 890'W, 1650'E, Sec. 11-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3577	Tubing: Diameter 2"	Set At: Feet 5645
Pay Zone: From 5076	To 5732	Total Depth: 5812	
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. 3533 - 5808	
Shut-In Pressure, Casing, PSIG PC 1114	- 12 = PSIA 1126	Days Shut-In 7	Shut-In Pressure, Tubing PSIG MV 1063	- 12 = PSIA 1075	
Flowing Pressure: P PSIG 271	- 12 = PSIA 283	Working Pressure: Pw PSIG Calculated	- 12 = PSIA 572		
Temperature: T °F 59	n 0.75	Fpv (From Tables) 1.032	Gravity 0.685		

Final SIPC (PC) 1120 psig. 1-1/4" at 3508. Packer at 3669. Sleeve at 3509CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 283 \times 1.001 \times 0.9359 \times 1.032 = 3383 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,155,625}{828,441} \right)^{.75} \times 3383 = 1.2840 \times 3383$$

Aof 4344 MCF/DTESTED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway
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