

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE March 26, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 70	
Location 993'S, 990'W, Sec. 25-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At: Feet 3371	Tubing Diameter 2"	Set At: Feet 5229
Pay Zone: From 4908	To 5506	Total Depth 5570 - c/o - 5525	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	5 1/2" liner at 5569	
Shut-In Pressure, Casing, PSIG 1024 PC	PSIG - 12 - PSIA 23	Shut-In Pressure, Tubing PSIG 1072	PSIG - 12 - PSIA 1084
Flowing Pressure: P PSIG 362	PSIG - 12 - PSIA 374	Working Pressure: Pw PSIG Calculated	PSIG - 12 - PSIA 746
Temperature: T 58	F .75	Fpv (From Tables) 1.046	Gravity .693

CHOKE VOLUME: $Q = C \times P_r \times F_t \times F_g \times F_{ov}$

$$Q = 12.365 \times 374 \times 1.0019 \times .9325 \times 1.046$$

4519

MCF/D

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

$$A_{of} = \left(\frac{1,175,056}{618,540} \right)^{.75} (1.8997)^{.75} \times 4519 = 1.617 \times 4519$$

Aof 7307

MCF/D

K. C. McBride

WITNESSED BY

cc: E. J. Coel, Jr. (6)

L. D. Galloway
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