

OPEN FLOW TEST DATA

DATE September 6, 1961

Operator El Paso Natural Gas Company		Lease Rosa Unit No. 41	
Location 1500'S, 1528'W, Sec. 5-31N-5W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7" O.D.	Set At: Feet 3556	Tubing: Diameter 2-3/8" O.D.	Set At: Feet 5741
Pay Zone: From 5608	To 5726	Total Depth: 5804 c/o 5769	Shut-In 8-27-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches	Choke Constant: C		4.500", 9.50 lbs. Liner 3473 to 5802	
0.750	12.365	1144	1156	
Shut-In Pressure, Casing, PSIG	PSIA	Days Shut-In	Shut-In Pressure, Tubing, PSIG	PSIA
1144	1156	10	1144	1156
Flowing Pressure: P, PSIG	PSIA		Working Pressure: Pw, PSIG	PSIA
280	292		750	762
Temperature: T, F			Fpv (From Tables)	Grav. Fg
74	.9868	.75	1.027	.654 .9608

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_{pv}$

$$Q = (12.365)(292)(.9868)(.9608)(1.027)$$

3516

MCF D

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

$$Aof = \left(\frac{1,336,336}{755,692} \right)^n$$

$$(1.7683)^{.75}(3519) = (1.533)(3516)$$

Aof

5390

MCF D

TESTED BY

Dannie R. Roberts

WITNESSED BY

Checked by:

T. B. Grant

Lewis D. Galloway
L. D. Galloway

