

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 14, 1957

Operator El Paso Natural Gas Company		Lease Storey # 10-C	
Location 1090'S, 1650'W, Sec. 35-28-9		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing: Diameter 7 5/8	Set At: Feet 2484	Tubing: Diameter 1 3/4	Set At: Feet 2325
Pay Zone: From 2290	To 2330	Total Depth: 4742 c/o - 4680- Packer at 2973	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 14.1605	5 1/2" liner at 2454 to 4747	
Shut-In Pressure, Casing, PSIG 726	PSIA 738	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 726
Flowing Pressure: P, PSIG 381	PSIA 393	Working Pressure: Pw, PSIG 391	PSIA 403
Temperature, T 70	.85	Fpv (From Tables) 1.035	Gravity .641

Mesa Verde shut-in 1036 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$C = 14.1605 \times 393 \times .9905 \times .9682 \times 1.035$$

5524

MCF/D

OPEN FLOW $A_{of} = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_w^2} \right)^n$

$$A_{of} = \left(\frac{544,644}{382,235} \right)^n \quad (1.4248)^{.85} \times 5524 = 1.351 \times 5524$$

$A_{of} = 7463$ MCF/D

Prepared by **K. C. McBride**

Witnessed by

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

L. D. Galloway
L. D. Galloway



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