

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 17, 1957

Operator El Paso Natural Gas Company		Lease Calloway Pool Unit #2	
Location 1840 N. 800 E. 34-31-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7"	Set At: Feet 4375	Tubing: Diameter 1 1/4	Set At: Feet 2275
Pay Zone: From 2238	To 2284	Total Depth: 4707 c/o 4620 Packer @ 4401	
Stimulation Method Sand water frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 1750		Choke Constant: C 12.365		5 1/2 liner 4320 to 4702	
Shut-In Pressure, Casing, PSIG 711	- 12 = PSIA 723	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 711	- 12 = PSIA 723	
Flowing Pressure: P, PSIG 115	- 12 = PSIA 127		Working Pressure: P _w , PSIG 120	- 12 = PSIA 132	
Temperature: T 66	F .85		F _{pv} From Tables 1.012	Gravity .668	

Mesaverde SIPT = 898 PSIG. Ending Mesaverde SIPT = 900 PSIGCHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 127 \times .9943 \times .9498 \times 1.012 = 1501 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{522729}{505305} \right)^{1.21} 1.0344^{.85} 1501 = 1.0292 \times 1501$$

$$A_{of} = 1545 \text{ MCF/D}$$

TESTED BY **K. C. McBride & S. V. Roberts**

WITNESSED BY

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


L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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