

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE August 1, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 97	
Location 1650'S, 990'W, Sec. 18-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 3358	Tubing: Diameter 2"	Set At: Feet 5244
Pay Zone: From 4888	To 5546	Total Depth: 5656 - c/o 5570	
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 3295 - 5651	
Shut-In Pressure, Casing 1050 P.C.	PSIG - 12" PSIA 1062	Days Shut-In 14	Shut-In Pressure, Tubing 1088 MV	PSIG - 12" PSIA 1100
Flowing Pressure: P 287	PSIG - 12" PSIA 299		Working Pressure: P _w Calculated	PSIG - 12" PSIA 588
Temperature: T 66	F 0.75		F _{pv} (From Tables) 1.031	Gravity 0.688

1-1/4" at 3208.. Packer at 3339 Sleeve at 3243. SIPT PC - 1056 psig final.

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

$$Q = 12.365 \times 299 \times .9943 \times .9359 \times 1.031 = 3547 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,210,000}{864,256} \right)^n \cdot 1.4000^{.75} \times 3547 = 1.2870 \times 3547$$

$$A_{of} = 4565 \text{ MCF/D}$$

TESTED BY S. V. RobertsWITNESSED BY Mr. Fred Cook, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr.

L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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