

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE January 25, 1960

Operator El Paso Natural Gas		Lease Rincon Unit 157 (M)	
Location 1500S, 1800W; 24-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7	Set At: Feet 7420	Tubing: Diameter 1-1/4	Set At: Feet 5583
Pay Zone: From 5456	To 5596	Total Depth: c/o TTT8	Shut In 1/16/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		7" at 7420	
Shut-In Pressure, Casing, (MV) 1039	PSIG	+ 12 = PSIA 1051	Days Shut-In 9	Shut-In Pressure, Tubing (MV) 504	PSIG
Flowing Pressure: P (MV) 61	PSIG	+ 12 = PSIA 73	Working Pressure: Pw (MV) 204	PSIG	+ 12 = PSIA 216
Temperature: T 56 F		Ft 1.0039		Fpv (From Tables) 1.011	Gravity .708
		.75			Fg = .9225

Initial SIPT (Dak) = 2249 psig
Final SIPT (Dak) = 2261 psig

Baker Model D packer at 6729

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 73 \times 1.0039 \times .9225 \times 1.011$$

845

MCF/D

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

MV Tbg. appears to be loaded. Knew oily mist first 2 hours - Diminished to negligible last hour.

$$A_{of} = \left(\frac{1104601}{1057945} \right)^n \quad 1.0441^{.75} \times 845 = 1.0329 \times 845$$

$$A_{of} = 873 \quad \text{MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____



Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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