

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 5, 1960

Operator El Paso Natural Gas		Lease Rincon Unit No. 135 (D)	
Location 1160N, 1750E; 29-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5	Set At: Feet 7711	Tubing: Diameter 2	Set At: Feet 7537
Pay Zone: From 7352	To 7574	Total Depth: 7715 c/o 7678	Shut In Re SI 3/28/60
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		7" at 7309, 5" liner 7239-7711	
Shut-In Pressure, Casing, (MV) 1026	PSIG · 12 · PSIA 1038	Days Shut-In 8	Shut-In Pressure, Tubing 2505 (D)	PSIG · 12 · PSIA 2517	
Flowing Pressure: P 486	PSIG · 12 · PSIA 498		Working Pressure: Pw Calc. 1098	PSIG · 12 · PSIA 1110	
Temperature: T = 74 °F	Ft. .9868		Fpv (From Tables) 1.049	Gravity .665	Fg = .9498

Initial SIPT (MV) = 1026 psig

Final SIPC (MV) = 1038 psig

Baker model "D" packer at 6919

CHOKE VOLUME: $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 498 \times .9868 \times .9498 \times 1.049 = 6054 \text{ MCF/D}$$

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

$$Aof = \left(\frac{6,335,289}{5,103,189} \right)^n$$

$$1.2414^{.75} \times 6054 = 1.1760 \times 6054$$

$$Aof = 7120 \text{ MCF D}$$



TESTED BY C. R. Wagner

WITNESSED BY

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