

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 9, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #237 (MW)	
Location 1050/N, 800/E, Sec. 1, T25N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Gonzales Ext.	
Casing Diameter 2.875	Set At: Feet 5302'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 5082	To 5240	Total Depth: 5302' PRTD 5292'	Shut In 6-3-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Meter Gauge Size, Inches 4" MR	Orifice 2.500	Constant: C 32.64	Tubingless Completion		
Shut-In Pressure, Casing, 1222	PSIG	+ 12 = PSIA 1234	Days Shut-In 36	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA --
Flowing Pressure: P 145	PSIG	+ 12 = PSIA 157		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 160
Temperature: T = 52 °F	F _t = 1.0078	n = .75		F _{pv} (From Tables) 1.0150	Gravity .650 F _g = 1.240

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = \text{Calculated from orifice meter readings} = \underline{\hspace{2cm}} 350 \underline{\hspace{2cm}} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1522756}{1497156} \right)^n = 350(1.0171)^{.75} = 350(1.0128)$$

$$Aof = \underline{\hspace{2cm}} 355 \underline{\hspace{2cm}} \text{ MCF/D}$$

Note: This well was tested thru a 3/4" variable choke. The well produced 26 BBls of 41 gravity oil and no measurable amount of water.

TESTED BY J. Goodwin & F. Johnson

WITNESSED BY

Loren W. Fothergill
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Well Test Engineer