

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 13, 1962

Operator El Paso Natural Gas Company		Lease Mansfield No. 7	
Location 1700'S, 1610'W, Sec. 29-30-9		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2779	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 2660	To 2700	Total Depth 2790	Shut In 8-28-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365	"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 1004	PSIA 1016	Days Shut-In 16	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure, P, PSIG 94	PSIA 106	Working Pressure: Pw Calc.	PSIG 131
Temperature: T 64	F .9962	F _g (From Tables) 1.009	Gravity .655
	.85		F _g .9571

CHOKE VOLUME $Q = C \times P_c \times F_g \times F_v$

$$Q = (12.365)(106)(.9962)(.9571)(1.009)$$

1261 MCF/D

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

$$Adf = \left(\frac{1,032,256}{1,015,095} \right)^n$$

$$(1261)(1.0169)^{.85} = (1261)(1.0145)$$



NOTE: Blew light spray of distillate and water.

Adf 1279 MCF/D

Checked by D. R. Roberts

Authorized by

Calculated by W. D. Dawson

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