

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 22, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 4-E	
Location 1505'S, 1785'E 18-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2"	Set At: Feet 3390	Tubing: Diameter 2"	Set At: Feet 3302
Pay Zone: From 3314	To 3362	Total Depth: c/o 3375	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure: Casing, PSIG 1026	- 12 = PSIA	Days Shut-In 58	Shut-In Pressure, Tubing PSIG 1026	- 12 = PSIA	1038
Flowing Pressure: P PSIG 475	- 12 = PSIA		Working Pressure: Pw PSIG 880	- 12 = PSIA	892
Temperature: T °F 70	n =		Fpv (From Tables) 1.048	Gravity 665	

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

$$Q = 12.365 \times 487 \times .9905 \times .9498 \times 1.048 = 5937 \text{ MCF/D}$$

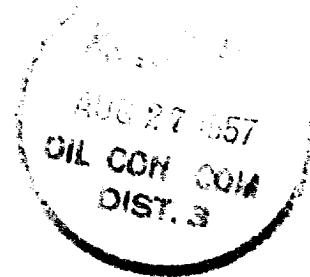
$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,077,444}{281,780} \right)^n = 3.8237^{.75} \times 5937 = 3.123 \times 5937$$

$$A_{of} = 18,541 \text{ MCF/D}$$

TESTED BY R. A. Ullrich J. B. Goodwin

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION UNIT
 ATTEC DISTRICT OFFICE
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