

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 23, 1958

Operator El Paso Natural Gas		Lease Southern Pet. State No. 3	
Location 990N, 1650W; 32-26N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco P.C.	
Casing Diameter 5-1/2	Set At Feet 2409	Tubing Diameter 1-1/4	Set At Feet 2341
Pay Zone From 2340	To 2384	Total Depth CO TD 2384	Shut in 8/8/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant C 12.365	Shut-in Pressure, Tubing 844	PSIG	12	PSIA	856			
Shut-in Pressure, Casing 844	PSIG	12	PSIA	856	Flowing Pressure, Casing 306	PSIG	12	PSIA	318
Flowing Pressure, Tubing 306	PSIG	12	PSIA	318	Temperature, Casing 62		Temperature, Tubing 62		
Temperature, Casing 62		Specific Gravity .660		Flow Through Casing 1.032		Flow Through Tubing 1.032			

CHOKED FLOW Q = C × P₁ × E₁ × E₂ × E₃

$$Q = 12.365 \times 318 \times .9981 \times .9535 \times 1.032$$

3862 MCF D

$$Q = \left(\frac{P_1^2 - P_2^2}{P_1} \right)^n$$

$$\left(\frac{732736}{625807} \right)^n$$

$$(1.1708)^{.85} 3862 = (1.432) 3862$$

4415 MCF D

D. Mortensen

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

No. Copies Received

3

DISTRIBUTION

	NO. FURNISHED	
Chairman		
Secretary	1	
Executive Director		
Regional Director		
U. S. A. S.	7	
Transmitter		
File	1	✓