

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATATEST AFTER WORKOVER ✓DATE January 31, 1958

Operator El Paso Natural Gas		Lease Mudge No. 10	
Location 1477'N, 1520'E, Sec. 9-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7"	Set At: Feet 4330	Tubing Diameter 2"	Set At: Feet 5053
Pay Zone 5026	To 5064	Total Depth: 5370 - c/o 5070	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365		5-1/2" liner. 4267 - 5117	
Shut-In Pressure, Casing, PSIG 668	- 12 = PSIA 680	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 666	- 12 = PSIA 678
Flowing Pressure: P, PSIG 157	- 12 = PSIA 169		Working Pressure: Pw, PSIG 371	- 12 = PSIA 383
Temperature: T, °F 66			E _{pv} (From Tables) 1.017	Gravity 0.681

CHOKE VOLUME = $Q = C \times P_r \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 169 \times .9943 \times .9393 \times 1.017 \quad \underline{1985} \quad \text{MCF/D}$$

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

$$A_{of} = \left(\frac{462,400}{315,711} \right)^n = 1.4646^{.75} \times 1985 = 1.3313 \times 1985$$

$$A_{of} = 2643 \quad \text{MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION	
AZ. EC DISTRICT OFFICE	
1. County	3
2. District	
3. Sub-District	
4. Section	1
5. Township	1
6. Range	1
7. Section	✓