

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **February 20, 1958**

Operator Benson-Montin-Greer		Lease Schultz State No. 8-16	
Location 990N, 1190E. 16-29-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 5-1/2"	Set At: Feet 2182	Tubing: Diameter 1"	Set At: Feet 2117
Pay Zone: From 2070	To 2100	Total Depth: 2183 2117	
Stimulation Method Sand-Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-in Pressure, Casing, PSIG 680	PSIA 692	Days Shut-in 52	Shut-in Pressure, Tubing, PSIG 680
Flowing Pressure, Casing, PSIG 37	PSIA 49		Working Pressure, Pw, PSIG 43
Temperature, T 61	F .85		Fov (From Tables) 1.003
			Gravity .647

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{ov}$

$$Q = (12.365) (49) (.9990) (.9645) (1.003)$$

586

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_{wf}^2} \right)^n$$

$$Aof = \left(\frac{478864}{475839} \right)^n (1.0063) .85 (586) = (1.0054) (586)$$

Aof 589 MCF/D

TESTED BY **S.V. Roberts**WITNESSED BY **Virgil Stoabs**CC: **Virgil Stoabs (4)**

L. D. Galloway

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AZTEC DISTRICT OFFICE		
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