

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 14, 1958

Operator Benson - Montin - Greer		Lease Dustin No. 1	
Location 1585S, 1680W, 6-29-12		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 1489	Tubing: Diameter 1-1/4	Set At: Feet 1390
Pay Zone: From 1378	To 1386	Total Depth: 1489 c/o 1459	Shut-In 2/14/58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 519	- 12 = PSIA 531	Days Shut-In 37	Shut-In Pressure, Tubing PSIG 519
Flowing Pressure: P PSIG 25	- 12 = PSIA 37	Working Pressure: P _w PSIG 160	- 12 = PSIA 172
Temperature, T °F 58	n .85	F _{pv} (From Tables) 1.003	Gravity .625

$$\text{CHOKE VOLUME} = Q \cdot C \times P_r \times F_t \times F_g \times F_{pv}$$

$$Q = 14.1605 \times 37 \times 1.0019 \times .9798 \times 1.003 = 516 \text{ MCF/D}$$

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

$$\text{Aof} \left(\frac{281,961}{252,377} \right)^n = (1.1172)^{.85} \times 516 = 1.0987 \times 516$$



Blew Slugs of Salt Water during entire 3 hour test.

$$\text{Aof } 567 \text{ MCF/D}$$

TESTED BY H. L. KendrickWITNESSED BY Virgil Stoabs (Benson - Montin - Greer)

Lewis D. Galloway
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