

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 1, 1965

Operator El Paso Natural Gas Company		Lease Mudge No. 28	
Location 890'S, 1650'E, Sec. 20, T-31-N, R-11-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2741	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2606	To 2633	Total Depth: 2741	Shut In 11-18-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 657	12 - PSIA 669	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	12 - PSIA -	
Flowing Pressure: P PSIG 105	12 - PSIA 117	Working Pressure: Pw PSIG Calc.	12 - PSIA 144		
Temperature: T: 64 °F	F: .9962	Fpv (From Tables) 1.010	Gravity .650	Fg: .9608	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = (12.365) (117) (.9962) (.9608) (1.010) \quad 1,399 \quad \text{MCF/D}$

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

$Aof = \left(\frac{447,561}{426,825} \right)^n \quad (1.0485)^{.25} (1399) = (1.0411) (1399)$

$Aof = 1456 \quad \text{MCF/D}$

NOTE: Blew dry gas.



TESTED BY Don Norton
CHECKED BY J. D. Dawson

Lewis D. Galloway
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