

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-12-70

Operator El Paso Natural Gas Co.		Lease San Juan 32-9 U. No. 33 (OWWO)	
Location 11803, 1090W, 36, T31N, R9W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6139	Tubing: Diameter 2.375	Set At: Feet 5986
Pay Zone: From 5228	To 6004	Total Depth: 6139	Shut In 5-2-70
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" IR 2.750 orifice		Choke Constant: C 41.9208		well test thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 950	+ 12 = PSIA 962	Days Shut-In 41	Shut-In Pressure, Tubing PSIG 399	+ 12 = PSIA 411	
Flowing Pressure: P PSIG 329 WH 97 MR	+ 12 = PSIA 341 WH 109 MR		Working Pressure: P _w PSIG 702	+ 12 = PSIA 714	
Temperature: T = 58 °F F _t = 1.0019	n = .75		F _{pv} (From Tables) 1.009	Gravity .660 F _g = 1.2309	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = \text{Calculated from orifice meter reading} = 2781 \text{ MCF/D}$$

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

Note: This well produced 2.98 bbls of 54.5 API gravity oil and 3.73 bbls of water during the test.

$$Aof = \left(\frac{925444}{415648} \right)^n = (2.2265)^{.75} 2781 = (1.8227)(2781)$$

$$Aof = 5069 \text{ MCF/D}$$



TESTED BY Jesse B. Goodwin

WITNESSED BY

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