

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

27

DATE June 30, 1972

Operator El Paso Natural Gas Company		Lease Atlantic "B" No. 7 (OWWO)	
Location T90/N, T90/E, Sec. 34 T 31N, R 10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5679	Tubing: Diameter 2.375	Set At: Feet 5610'
Pay Zone: From 4674	To 5640	Total Depth: 5679	Shut In 6-10-72
Stimulation Method S.W.F.		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR.	Orifice 2.750	Choke Constant: C 41.10				
Shut-In Pressure, Casing, 789	PSIG	+ 12 = PSIA 801	Days Shut-In 13	Shut-In Pressure, Tubing 591	PSIG	+ 12 = PSIA 603
Flowing Pressure: P ME 65	PSIG	+ 12 = PSIA MR 77	WH 302	Working Pressure: P _w 716	PSIG	+ 12 = PSIA 728
Temperature: T = 72 °F		n =		F _{pv} (From Tables) 1.007		Gravity 635 F _g = 1.255

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

$$Q = \text{Calculated from meter readings} = 2547 \text{ MCF/D}$$

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

NOTE: Well produced 36 Bbls. of heavily mud cut oil

$$Aof = \left(\frac{641,601}{111,617} \right)^n = (5.7482)^{.75} (2547) = (3.7124)(2547) =$$

$$Aof = 9,454 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY



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