

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE October 6, 1971

Operator El Paso Natural Gas Company		Lease Atlantic B No. 9 (OWWO)	
Location 1650'/S-900'/W, S 34, T31N, R10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5532	Tubing: Diameter 2.375	Set At: Feet 5500
Pay Zone: From 4526	To 5506	Total Depth: 5532	Shut In 9-29-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches Meter 4"MR 2.750"plate	Choke Constant: C Meter 41.9208	Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 714	+ 12 = PSIA 726	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 512
Flowing Pressure: P MR-66 WH-290 PSIG	+ 12 = PSIA MR-78 WH-302	Working Pressure: P <sub>w</sub> 698 PSIG	+ 12 = PSIA 710
Temperature: T = 65 °F F <sub>t</sub> = .9952	n = 0.75	F <sub>pv</sub> (From Tables) 1.009	Gravity 0.672 F <sub>g</sub> = 1.2199

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

$$Q = \text{Calculated from orifice meter readings} = \underline{2541} \text{ MCF/D}$$

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

NOTE: Well made 22 bbls. of 32.8° API oil.

$$Aof = \left( \frac{527076}{22976} \right)^n = 2541 (22.9402)^{.75} = 2541 (10.4821)$$

$$Aof = \underline{26635} \text{ MCF/D}$$

TESTED BY R.R. Hardy

WITNESSED BY \_\_\_\_\_



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