

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE May 7, 1975

Operator El Paso Natural Gas Company		Lease Barrett #1 (OWWO)	
Location 1650'S, 790'W, Sec. 19, T31N, R9W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6128'	Tubing: Diameter 2.375	Set At: Feet 6053'
Pay Zone: From 5110'	To 6042'	Total Depth: PBDT 6128' 6112'	Shut In 4-27-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Plate Choke Size, Inches 2.500 4" M.R.		Plate Choke Constant: C 32.64		Well tested thru 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG 677	+ 12 = PSIA 689	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 485	+ 12 = PSIA 497	
Flowing Pressure: P MR 76 WH 234	+ 12 = PSIA MR 88 WH 246		Working Pressure: Pw 587	+ 12 = PSIA 599	
Temperature: T= 62 °F Ft=0.9981	n = 0.75		Fpv (From Tables) 1.009	Gravity 0.693 Fg = 1.201	

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = Calculated from orifice meter reading = 2962 MCF/D

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

Aof = Q  $\left( \frac{474721}{115920} \right)^n = 2962(4.0952)^{.75} = 2962(2.8788)$

Aof = 8528 MCF/D

Note: The well produced no measurable quantity of oil or water. The amount of gas vented during the 3 hour test was 325 MCF.

TESTED BY C. Rhames

WITNESSED BY

Loren W. Fothergill  
Well Test Engineer

