

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 7, 1975

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 15 (OWWO)	
Location 1650/S, 990/W, Sec. 9, T-31-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6194'	Tubing: Diameter 2.375	Set At: Feet 6119'
Pay Zone: From 5382'	To 6104'	Total Depth: PBD 6194' 6184'	Shut In 01-29-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Plate Choke Size, Inches 4" MR 2.50	Plate Choke Constant: C 32.64	Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 717	+ 12 = PSIA 729	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 281
Flowing Pressure: P WH 230 MR 98	+ 12 = PSIA WH 242 MR 110	Working Pressure: Pw PSIG 604	+ 12 = PSIA 616
Temperature: T 67° °F Ft = 0.9933	n = .75	Fpv (From Tables) 1.023	Gravity .657 Fg = 1.234

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

Q = Calculated from Meter Readings = 2953 MCF/D

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

Aof = Q $\left(\frac{531441}{151985} \right)^n = 2953 (3.4967)^{.75} = 2953 (2.5571)$

Aof = 7551 MCF/D

Note: The well unloaded 3 to 5 bbls of water in the first 5 minutes, then produced a dry flow.



TESTED BY C. Rhames

WITNESSED BY

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Well Test Engineer