

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 11/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease Sunray G #2 (OWWO)	
Location 1650'N, 1650'E, Sec. 21, T-31-N, R-9-W		County San Juan	State NM
Formation Mesaverde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5971	Tubing: Diameter 2.375	Set At: Feet 5903
Pay Zone: From 5164	To 5928	Total Depth: 5971	Shut In 11/16/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing

Choke Size, Inches 2.750	Choke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 717	+ 12 = PSIA 729	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 538	+ 12 = PSIA 550
Flowing Pressure: P PSIG Mr 71 Wh 196	+ 12 = PSIA Mr 83 Wh 208	Working Pressure: P _w PSIG 632	+ 12 = PSIA 644	
Temperature: T = 81 °F Ft = .9804	n = .75	Fpv (From Tables) 1.016	Gravity .637	Fg = .9705

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

Q = Calculated from meter readings = 2095 MCF/D

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

Aof = Q $\left(\frac{531441}{116705} \right)^n = (2095)(4.5537)^{.75} = (2095)(3.1173)$

Aof = 6529 MCF/D

NOTE: Well produced 22 bbl of total liquid, oil is 26.8 API gravity.



TESTED BY B. B. & Sack

WITNESSED BY

William D Welch
William D. Welch
Well Test Engineer