

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 11-21-66

Operator EL PASO NATURAL GAS COMPANY		Lease Hughes No. 5 (OWWO)	
Location 990'S, 1650'W, Sec. 21, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5498	Tubing: Diameter 2.375	Set At: Feet 5345
Pay Zone: From 4665	To 5381	Total Depth: 5498	Shut In 11-12-66
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2 1/2" plate; 4" M. R.	meter 33.293	Choke Constant: C Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 785	+ 12 = PSIA 797	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 832
Flowing Pressure: P PSIG 110 Meter; 291 W. H.	+ 12 = PSIA 122 meter; 303 W.H.	Working Pressure: Pw PSIG 685	+ 12 = PSIA 697
Temperatures: T = 67 °F	Ft = .9933	n = .75	Fpv (From Tables) 1.014
		Gravity .675	Fg = 1.2172

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

Q = Calculated from orifice mtr. rdg. = 2764 MCF/D

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

Aof = $\left(\frac{712336}{226527} \right)^n = (2764)(3.1445)^{.75} = (2764)(2.3614)$

NOTE: The Well Produced 68.62 bbls. of oil into the tank.

Aof = 6527 MCF/D

TESTED BY R. F. Headrick & H. E. McAnally

CHECKED BY T. B. Grant

CALCULATED BY H. E. McAnally

H. L. Kendrick

