

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 20, 1967

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 160	
Location 990'S, 1800'E, Sec. 17, T-26-N, R-9-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6735	Tubing: Diameter 2.375	Set At: Feet 6558
Pay Zone: From 6472	To 6570	Total Depth: 6740	Shut In 4-7-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2 1/2" Plate 4" M. R.		Choke Constant - Orifice meter constant 33.293		Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1994	+ 12 = PSIA 2006	Days Shut-In 13	Shut-In Pressure, Tubing PSIG 992	+ 12 = PSIA 1004	
Flowing Pressure: P PSIG 22 M. R.; 72 W. H.	+ 12 = PSIA 34 M. R.; 84 W. H.		Working Pressure: Pw PSIG 513	+ 12 = PSIA 525	
Temperature: T = 70 °F	Ft = .9905	n = .75	Fpv (From Tables) 1.004	Gravity .700	Fg = 1.1952

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

Q = Calculated from Orifice meter reading = 783 MCF/D

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

$$Aof = \left(\frac{4024036}{3748411} \right)^n = (783)(1.0735)^{.75} = (783)(1.0547)$$

NOTE: The well produced 47 bbl. of oil during the three hour test period.

Aof = 826 MCF/D



TESTED BY J. B. Goodwin & D. R. Roberts

Calculated
WITNESSED BY H. E. McAnally

H. L. Kendrick
H. L. Kendrick

