

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 20, 1966

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 152	
Location 690'N, 1535'W, Section 12, T-25-N, R-10-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6855	Tubing: Diameter 2.375	Set At: Feet 6803
Pay Zone: From 6764	To 6798	Total Depth: 6855	Shut In 7-13-66
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1937	+ 12 = PSIA 1949	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1747	+ 12 = PSIA 1759
Flowing Pressure: P PSIG 462	+ 12 = PSIA 474		Working Pressure: Pw PSIG 1077	+ 12 = PSIA 1089
Temperature: T = 88 °F	n = Ft = .9741		Fpv (From Tables) 1.050	Gravity .70 Fg = .9258

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

Q = (12.365) (474) (.9741) (.9258) (1.050) = 5,550 MCF/D

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

Aof = $\left(\frac{3,798,601}{2,612,680} \right)^n = (1.4539)^{.75} (5,550) = (1.3238) (5,550) =$

Aof = 7,347 MCF/D

NOTE: Well unloaded liquid 5 minutes after being turned on. Also blew a heavy spray of water and distillates throughout the test.

TESTED BY Dannie R. Roberts
WITNESSED BY Hermon E. McAnally

RECEIVED
JUL 22 1966
OIL CON. COM.
DIST. 3
H. L. Kendrick
H. L. Kendrick