FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

4/

DATE June 1, 1967

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 171	
Location: 990'N, 990'W, Sec. 36, T-26-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6714	Tubing: Diameter: 2.375	Set At: Feet: 6598
Pay Zone: From: 6568	To: 6648	Total Depth: 6714	Shut In: 3-24-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: 2.5" Plate 4" meter run	Choke Constant: C: 33.293		The well flowed through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1831	+ 12 = PSIA: 1843	Days Shut-In: 68	Shut-In Pressure, Tubing PSIG: 1847	+ 12 = PSIA: 1859
Flowing Pressure: P PSIG: meter 222; WH 503	+ 12 = PSIA: meter 234; 515 WH		Working Pressure: P_w PSIG: 1162	+ 12 = PSIA: 1174
Temperature: T= 65 °F Ft=.9952	n = .75		Fpv (From Tables): 1.026	Gravity: .700 Fg = 1.1952

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

Q = Calculated from orifice meter reading = 5834 MCF/D

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

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$Aof = \left(\frac{3455881}{2077605} \right)^n = (5834)(1.6633)^{.75} = (5834)(1.4646)$

NOTE: The well produced 43.3 bbls. of 45.2 API gravity oil during the test.

Aof = 8544 MCF/D

RECEIVED
OIL CON. COM.
DIST. 3

TESTED BY R. F. Headrick

CHECKED ~~WITNESSED~~ BY A. J. Loleit

CALCULATED BY H. E. McAnally

H. L. Kendrick