FORM 29-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 8, 1967

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 163	
Location: 800'S, 1800'E, Sec. 19, T-26-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6720	Tubing: Diameter: 2.375	Set At: Feet: 6450
Pay Zone: From: 6466	To: 6565	Total Depth: 6720	Shut In: 5-25-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: 2 1/2" Plate; 4" meter run	Choke Constant: C (orifice): 33.293		Tested through a 3/4" variable choke
Shut-In Pressure, Casing, PSIG: 1897	+ 12 = PSIA: 1909	Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: 1905 / + 12 = PSIA: 1917
Flowing Pressure: P PSIG: 53 meter run; 159 WH	+ 12 = PSIA: 65 meter run; 171 WH		Working Pressure: P_w PSIG: 510 / + 12 = PSIA: 522
Temperature: T= 66 °F, Ft= .9943	n = .75		Fpv (From Tables): 1.011 / 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 = 1666 MCF/D

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

$Aof = \left(\frac{3674889}{3402405} \right)^n = (1666)(1.0800)^{.75} = (1666)(1.0594)$

NOTE: The well produced 29.4 bbls. of 46 API gravity oil during the test.

Aof = 1765 MCF/D

RECEIVED
JUN 12 1967
OIL CON. COM.
DIST. 3

TESTED BY R. F. Headrick

CHECKED ~~WITNESSED~~ BY H. E. McAnally

H. L. Kendrick