FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 5, 1969

Operator: El Paso Natural Gas		Lease: Huerfano Unit No. 197	
Location: 1800'S; 800'E; S-28; T-26-N; R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6732	Tubing: Diameter: 2.375	Set At: Feet: 6824
Pay Zone: From: 6543	To: 6672	Total Depth: 6732	Shut In: 5-29-69
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: 4" M.R.; 2.750" plate	Choke Constant: C: 41.9208		Tested through a 3/4" variable plate
Shut-In Pressure, Casing, PSIG: 1632	+ 12 = PSIA: 1644 / Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 1637	+ 12 = PSIA: 1649
Flowing Pressure: P PSIG: 153 M.R.; 404 W.H.	+ 12 = PSIA: 165 M.R.; 416 W.H.	Working Pressure: Pw PSIG: 905	+ 12 = PSIA: 917
Temperature: T= 75 °F Ft= .9859	n = .75	Fpv (From Tables): 1.017	Gravity: .700 Fg = 1.1952

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

$Q =$ = 4,586 MCF/D

Note: The well produced 27.74 bbls. of 50.7° API Gravity oil during the test and 24.47 bbls. of water.

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

$Aof = \left(\frac{2719201}{1878312} \right)^n = (4586)(1.4476)^{.75} = (4586)(1.3196)$

Aof = 6052 MCF/D

RECEIVED
JUN 23 1969
OIL CON. COM.
DIST. 3

TESTED BY HEM & CRW

Calculated ~~CHECKED~~ BY HEM & RES

H. L. Kendrick