FORM 2-72 (11-67)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 30, 1974

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #199 (OWWO)	
Location: 1750/S, 990/W, Sec. 17, T25N, R9W		County: San Juan	State: New Mexico
Formation: Wildcat		Pool: Greenhorn	
Casing: Diameter: 4.500	Set At: Feet: 6684'	Tubing: Diameter: 2.375	Set At: Feet: 6283'
Pay Zone: From: 6368'	To: 6414'	Total Depth: 6684' PBTD 6479'	Shut In: 12-21-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

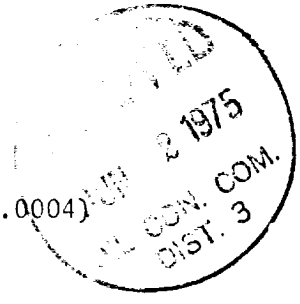
Choke Size, Inches: 2.750	Meter Run / Plate: 4" MR	Choke Constant: C: 41.10		Well tested thru a 3/4" variable choke.	
Shut-In Pressure, Casing, PSIG: Packer set	+ 12 = PSIA: --	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1294	+ 12 = PSIA: 1306	
Flowing Pressure: P PSIG: WH 3	MR 1	+ 12 = PSIA: WH 15	MR 13	Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 31
Temperature: T= 44 °F	Ft=1.016	n = .75		Fpv (From Tables): 1.005	Gravity: .700 Fg = 1.195

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

Q = Calculated from orifice meter readings = 181 MCF/D

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

$$Aof = Q \left(\frac{1705636}{1704675} \right)^n = 181\ (1.0006)^{.75} = 181\ (1.0004)$$



Aof = 181 MCF/D

Note: The well produced 29.98 Bbls of 40 API gravity oil and 3.16 Bbl of water during the 3 hour test. The well vented 22.63 MCF of gas. A pumping unit is being set on the well to improve production.

TESTED BY R. Hardy & C. Rhames

WITNESSED BY

Leon W Fothergill

Well Test Engineer