FORM 2-3-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 30, 1976

Operator: El Paso Natural Gas Company		Lease: San Juan 27-4 #105	
Location: NE Sec. 19, T27N, R4W		County: Rio Arriba	State: New Mexico
Formation: Mesaverde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 6348	Tubing: Diameter: 2.375	Set At: Feet: 6233
Pay Zone: From: 5396	To: 6239	Total Depth: 6348 PBTD 6331	Shut In: 9/20/76
Stimulation Method: SWF		Flow Through Casing	Flow Through Tubing: XX

Choke Size, Inches: 2.500" , 4" M.R.	Choke Constant: C (Plate): 32.64		Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: ----	+ 12 = PSIA: --	Days Shut-In: 10	Shut-In Pressure, Tubing PSIG: 1076	+ 12 = PSIA: 1084
Flowing Pressure: P PSIG: 239 W.H.; 77 M.R.	+ 12 = PSIA: 250 W.H; 89 M.R.		Working Pressure: Pw PSIG: Calculated	+ 12 = PSIA: 571
Temperature: T= 49 °F Ft= 1.0108	n = .75		Fpv (From Tables): 1.012	Gravity: 0.700 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 = 3308 MCF/D

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

Aof = $\left(\frac{1175056}{849015} \right)^n$ = (3308) (1.3840).75 = (3308) (1.2760)

Aof = 4221 MCF/D

NOTE: The well produced 5.15 bbls. of 42° API Gravity oil and 475 MCF of gas during the test.

TESTED BY R. Hardy

WITNESSED BY

H. E. McAnally

Well Test Engineer