Operator: El Paso Natural Gas Company		Lease: San Juan 27-4 Unit No. 53	
Location: 900'N, 1460'E, Sec. 30, T-27-N, R-4-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8256	Tubing: Diameter: 2.375	Set At: Feet: 7976
Pay Zone: From: 7999	To: 8213	Total Depth: 8256	Shut in: 10-13-68
Stimulation Method: Sand water frac		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: 2.750"Plate; 4" M.R.		Choke Constant: C: 41.9208			
Shut-In Pressure, Casing, PSIG: 2546	+ 12 = PSIA: 2558	Days Shut-In: 11	Shut-In Pressure, Tubing PSIG: 2545	+ 12 = PSIA: 2557	
Flowing Pressure: P PSIG: 104 M.R.;232 W.H.	+ 12 = PSIA: 116 M.R.; 244 W.H.		Working Pressure: P_w PSIG: 847	+ 12 = PSIA: 859	
Temperature: T= 80 °F	Ft= .9813	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 readings = 2992 MCF/D

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

Aof = $\left(\frac{6543364}{5805483} \right)^n$ = $(2992)(1.1271)^{.75} = (2992)(1.0939)$

Note: The well produced 14.92 bbls. of 55.7 API gravity oil and 23.12 bbls. of water during the three hour test.

Aof = 3273 MCF/D

TESTED BY B.J. Broughton & D. Norton

Calculated
WITNESSED BY H. E. McAnally

Checked by G. A. Lippman

H. L. Kendrick