EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE	September	21	. 19	65

Operator Southern Union Production Co.			Angel Peak "B" No. 25			
Location 800'S, 1700'S	7, Sec. 2	+, T-28-N, R-11-W	County	Juan	State New Mexico	
Formation	Dakota		Pool Bas	sin		
Casing: Diameter	4.500	Set At: Feet 6511	Tubing: Diameter	900	Set At: Feet 6340	
Pay Zone: From	 ઇ2 30	т. 6420	Total Depth:	511	Shut in 9-13-65	
Stimulation Method	Sand W	ater Frac	Flow Through Casing		Flow Through Tubing	

Choke Size, Inches		Choke Constant					
	.7 53	12.365		Company Distribution Only			
Shut-In Pressure, Casing,	PSIG 1689	+ 12 = PSIA 1701	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	1720
Flowing Pressure: P	PSIG 327	+ 12 = PSIA	539	Working Pressure: Pw 1172	PSIG	+ 12 = PSIA	1184
Temperature: T= 79 •F	Ft= .9822	n =	.75	Fpv (From Tables)		Gravity .700	Fo = .9258

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

$$Q = (12.365) (339) (.9822) (.9258) (1.036) = 3,949 MCF/D$$

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & p_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = 6,392 MCF/D

TESTED BY Benry Bechtel (SUPC) WITNESSED BY Hermon E. McAnally (EPNG) after 5 minutes and reduced to a heavy spray by the end of the test.

OIL CON. COM

This test was conducted through the tubing by Southern Union Production Company. NMOCC Order R-333-C & D states "Any well completed with tubing smaller than two inch nominal shall be tested through the casing".

Levis D. Galloway. By John.