EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 6, 1974

Operator El Paso Natural Gas Company Location 1495/N, 875/W, Sec. 16, T28N, R7W Formation Dakota		San Juan 28-7 Unit #231	
		County Rio Arriba	State New Mexico
		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7421 ¹	Tubing: Diameter 1.900	Set At: Feet 7361 '
Pay Zone: From 7212!	7370'	Total Depth: PBTD 7421' 7412'	Shut In 11-13-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

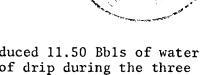
Meter Choke Size, Inches	Orifice	Meter Chake Constant	: C		
4" MR	2.500	32.64		Well tested thru a 3/4" variable choke	
Shut-In Pressure, Casing 2685	, PSIG	+ 12 = PSIA 2697	Days Shut-In 23	Shut-in Pressure, Tubing PS 2115	IG + 12 = PSIA 2127
Flowing Pressure: P MR 22	PSIG WH 78	+ 12 = PSIA MR 34	WH 90	Working Pressure: Pw PS	IG + 12 = PSIA 337
Temperature:		n =		Fpv (From Tables)	Gravity
τ= 85 •F	Ft=0.9768	. 75		1.008	.650 Fg = 1.240

CHOKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

Q = Calculated from orifice meter readings = 869 MCF/D

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

Aof = Q
$$\left(\frac{7273809}{7160240} \right)^{n}$$
 = 869(1.0159) \cdot^{75} =869(1.0119)



Aof = 879 MCF/D

Note: The well produced 11.50 Bbls of water and a trace of drip during the three hour test.

TESTED BY F. Johnson & J. B. Goodwin

WITNESSED BY L. W. Fothergill

Leren w Feethwall
Well Test Engineer