EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 16, 1978

Operator El Paso Natural Gas Company		Lease		
Location SE 20-29-08		Hughes #3-A (MV) County San Juan	State New Mexico	
Formation Mesa Verde		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 57621	Tubing: Diameter 2 3/8	Set At: Feet 5621'	
Pay Zone: From 5262	т。 5678'	Total Depth: 5762*	Shut In 8-7-78	
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX	

Chake Size, Inches	Choke Constant:	С				
4" M.R. 2.750 Orifice 41.10			Well tested through 3/4" variable choke			
Shut-In Pressure, Casing, PSIG	+ 12 = PSIA 	Days Shut-In 9	Shut-In Pressure, Tubing	PSIG 677	+ 12 = PSIA 689	
Flowing Pressure: P PSIG M.R. 53 W.H. 351	+ 12 = PSIA R.P. 65	W.H. 363	Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 467	
Temperature: τ = 51 °F Ft=1.008	5 .75		Fpv (From Tables) 1.010		Gravity .650 Fg	g = 1.240

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

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

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & \frac{2}{P_c} & \\ & P_c & P_w \end{pmatrix}$$

Aof =
$$Q\left(\frac{474721}{256632}\right)^{\mathbf{n}}$$
 = (1.8498) \cdot^{75} (2050)=(1.5862)(2050)

Aof = 3252 MCF/D

Note: Well did not make any oil, but made 21 bbls. of water. Well vented 205 MCF to the atmosphere during test.

TESTED BY N. Waggoner

WITNESSED BY C. P. Wagner

Well Test Engineer