

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 28, 1975

Operator El Paso Natural Gas Company		Lease Pinon Mesa #2	
Location 1840/S, 1060/W, Sec. 25, T31N, R4W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6301'	Tubing: Diameter 2.375	Set At: Feet 6212'
Pay Zone: From 6106	To 6208	Total Depth: PBD 6301 6285	Shut In 1-20-75
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 2.500 Plate, 4" M.R.		Choke Constant: C 32.64			
Shut-In Pressure, Casing, PSIG 1807	+ 12 = PSIA 1819	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 1520	+ 12 = PSIA 1532	
Flowing Pressure: P PSIG 94 Meter, 260 W.H.	+ 12 = PSIA 106 Meter, 272 W.H.	Working Pressure: Pw PSIG 720	+ 12 = PSIA 732		
Temperature: T = 63 °F F(0.9971	n = .75	Fpv (From Tables) 1.009	Gravity 0.650	Fg = 1.240	

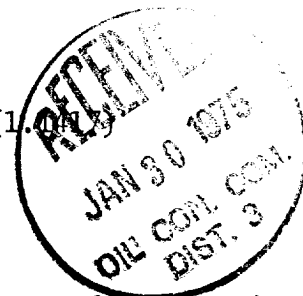
CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 3946 MCF/D

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

Aof = Q $\left(\frac{3308761}{2772937} \right)^n = 3946(1.1932)^{.75} = 3946(1.1932)^{.75}$

Aof = 4505 MCF/D



Note: The well produced no oil and 1 Bbl of water during the test.

TESTED BY Hardy & Rhames

WITNESSED BY _____

H. E. McAnally
Well Test Engineer