

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 1, 1975

Operator El Paso Natural Gas Company		Lease Kelly A #6	
Location 850/S, 865/E, Sec 15, T 31 R, R 10 W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undes.	
Casing: Diameter 2.875	Set At: Feet 3268'	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 3024	To 3044	Total Depth: FBTD 3268 3259	Shut In June 19, 1975
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.3650		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 915	+ 12 = PSIA 927	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA -----	
Flowing Pressure: P PSIG 266	+ 12 = PSIA 278		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA	
Temperature: T = 73 °F Ft = .9877	n = .85		Fpv (From Tables) 1.023	Gravity .635 Fg = .9721	

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(278)(.9877)(.9721)(1.023) = \underline{3376} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{859329}{736829} \right)^n = (1.1663)^{.85} (3376) = (1.1397)(3376)$$

$$Aof = \underline{3847} \text{ MCF/D}$$

Note: Well blew dry throughout test.
Vented gas to atmosphere 570 MCF.

TESTED BY Jesse B. GoodwinWITNESSED BY C. R. Wagner

C. R. Wagner
Well Test Engineer

