

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE AUGUST 3, 1973

Operator EL PASO NATURAL GAS COMPANY		Lease HUERFANO UNIT 247	
Location 850/S, 1500/E, SEC. 6, T-26-N, R-9-W		County SAN JUAN	State NEW MEXICO
Formation GALLUP		Pool ANGEL PEAK	
Casing: Diameter 4 1/2	Set At: Feet 6224	Tubing: Diameter 2 3/8	Set At: Feet
Pay Zone: From 5800	To 6134	Total Depth: 6224	Shut In 7-18-73
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches MR 4"	orifice 2.500	Choke Constant: C orifice 32.64	WELL TESTED THRU 48/64 CHOKE		
Shut-In Pressure, Casing, PSIG 837	+ 12 = PSIA 849	Days Shut-In 16	Shut-In Pressure, Tubing PSIG 822	+ 12 = PSIA 834	
Flowing Pressure: P WH 37	PSIG MR 6	+ 12 = PSIA WH 49	Working Pressure: P _w 344	+ 12 = PSIA 356	
Temperature: T = 86 °F	Ft = .9759	n = .75	F _{pv} (From Tables) 1.003	Gravity .720 F _g = .9129	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

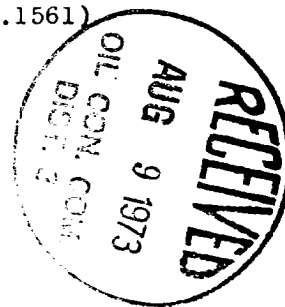
Q = CALCULATED FROM METER READINGS

= 473 MCF/D

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

NOTE: Well produced 19 bbl of
34.2 Gravity Oil.

$$Aof = Q \left(\frac{720801}{594065} \right)^n = 473 (1.2133)^{.75} = 473 (1.1561)$$

Aof = 547 MCF/DTESTED BY BROUGHTON

WITNESSED BY _____

WILLIAM D. WELCH, Well Test Engineer