FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE AUGUST 3, 1973

Operator: EL PASO NATURAL GAS COMPANY		Lease: HUERFANO UNIT 239	
Location: 890/N, 1750/W, SEC 18, T-26-N, R-9-W		County: SAN JUAN	State: NEW MEXICO
Formation: GALLUP EXT.		Pool: ANGEL PEAK	
Casing: Diameter: 4½	Set At: Feet: 6031	Tubing: Diameter: 2 3/8	Set At: Feet: 5981
Pay Zone: From: 5626	To: 5978	Total Depth: 6031	Shut In: 7-27-73
Stimulation Method: SWF		Flow Through Casing	Flow Through Tubing: XX

Choke Size, Inches: MR 4" Orifice 2.750		Choke Constant: C: orifice 41.10		WELL TESTED THRU 48/64 CHOKE	
Shut-In Pressure, Casing, PSIG: 775	+ 12 = PSIA: 787	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: 226	+ 12 = PSIA: 238	
Flowing Pressure: P PSIG: WH 3 MR 1	+ 12 = PSIA: WH 15	MR 13	Working Pressure: P_w PSIG: 376	+ 12 = PSIA: 388	
Temperature: T=112 °F Ft=.9535	n = .75		Fpv (From Tables): 1.00	Gravity: .720 Fg = .9129	

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

Q = CALCULATED FROM METER READINGS = 61 MCF/D

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

NOTE: Well produced 10.6 bbl of 32 gravity oil.

$Aof = Q \left(\frac{619369}{468825} \right)^n = 61\ (1.3211)^{.75} = 61\ (1.2322)$

Aof = 75 MCF/D

RECEIVED AUG 9 1973 OIL CON. COM. DIST. 3

TESTED BY NORTON

WITNESSED BY _____

William D. Welch

WILLIAM D. WELCH, Well Test Engineer