FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE January 27, 1976

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #265 (GL)	
Location: 800/N, 1150/W, Sec. 12, T26N, R10W		County: San Juan	State: New Mexico
Formation: Gallup		Pool: Angel Peak	
Casing: Diameter: 9.625	Set At: Feet: 7095'	Tubing: Diameter: 2.375	Set At: Feet: 6142'
Pay Zone: From: 5916'	To: 6220	Total Depth: 7095'	Shut In: 12-29-75
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

Plate / Choke Size, Inches: 2.500 4" M.R.	Plate / Choke Constant: C: 32.64		Tested through 3/4 variable choke		
Shut-In Pressure, Casing, PSIG: 467	+ 12 = PSIA: 479	Days Shut-In: 29	Shut-In Pressure, Tubing PSIG: 467	+ 12 = PSIA: 479	
Flowing Pressure: P PSIG: 5 W.H., 1 M.R.	+ 12 = PSIA: 17 W.H.	13 M.R.	Working Pressure: Pw PSIG: 197	+ 12 = PSIA: 209	
Temperature: T= 70 °F Ft=.9905	n = .75		Fpv (From Tables): 1.004	Gravity: .670 Fg = 1.222	

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

Q = Calculated from meter readings = 71.49 MCF/D

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

$$Aof = Q \left(\frac{229441}{185760} \right)^n = (71.49)(1.2351)^{.75} = (71.49)(1.1716)$$

Aof = 84 MCF/D

Note: During 3 hours test, well produced 2 Bbls of 37.2° API oil, and no water-Gas vented was 48 MCF/D.

TESTED BY Norton- Hardy

WITNESSED BY

RECEIVED
JAN 28 1976
OIL CON. COM.
DIST. 3

C. R. Hagan
Well Test Engineer