Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool West Kutz Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Huerfano Unit Well No. 82

Unit D Sec. 33 Twp. 27 Rge. 10 Pay Zone: From 1772 To 1796

Casing: OD 5 1/2 WT. 15.5 Set At 1890 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 1772

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .650 Estimated ____

Date of Flow Test: From 5/31 To 6/9/57 * Date S.I.P. Measured 12/11/56

Meter Run Size 4 Orifice Size ____ Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) ____	psig + 12 = ____	psia	(a)
Flowing tubing pressure (Dwt) ____	psig + 12 = ____	psia	(b)
Flowing meter pressure (Dwt) ____	psig + 12 = ____	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading ____	psig + 12 = ____	psia	(d)
Square root chart reading (____)^2 x spring constant ____	= ____	psia	(d)
Meter error (c) - (d) or (d) - (c) ±	= ____	psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	= ____	psi	(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading ____	psig + 12 = ____	psia	(g)
Square root chart average reading (6.40)^2 x sp. const. 5	= 205	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 205	psia	(h)
P_t = (h) + (f)	= 205	psia	(i)
Wellhead casing shut-in pressure (Dwt) 424	psig + 12 = 436	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 424	psig + 12 = 436	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 436	psia	(l)
Flowing Temp. (Meter Run) 72 °F + 460	= 532	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 218	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^* =$ 32 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 32 \left[\frac{142,572}{148,071} \right]^{\frac{.9628}{.9683}} = 31 \text{ MCF/da.}$$

SUMMARY

P_c =	436 psia	Company	El Paso Natural Gas
Q =	32 Mcf/day	By	Original Signed
P_w =	205 psia	Title	Lewis D. Galloway
P_d =	218 psia	Witnessed by	
D =	31 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D at 250 = 27

RECEIVED
JUN 19 1957
OIL CON. COM.
DIST. 3