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)

74-718-01

Pool South Blanco Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Florance Well No. 18-B (P)

Unit B Sec. 19 Twp. 27 Rge. 8 Pay Zone: From 2144 To 2190

Casing: OD 5-1/2 WT. 15.5 Set At 4634 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2158

Produced Through: Casing X Tubing Gas Gravity: Measured .651 Estimated

Date of Flow Test: From 10/30/58 To 11/7/58 * Date S.I.P. Measured 7/17/58 (28)

Meter Run Size Orifice Size 1.000 Type Chart Type Taps

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 (6.95) ^{2} x sp. const. 5	=	241	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	241	psia	(h)
P_t = (h) + (f)	=	241	psia	(i)
Wellhead casing shut-in pressure (Dwt) 825	psig + 12 =	837	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 825	psig + 12 =	837	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	837	psia	(l)
Flowing Temp. (Meter Run) 66 °F + 460	=	526	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	419	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 256 MCF/da

DELIVERABILITY CALCULATION

D = Q 256 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{525008}{648809} \right]^n$ .8177 / .8488 = 199 MCF/da.

SUMMARY

P_c =	837	psia
Q =	256	Mcf/day
P_w =	241	psia
P_d =	419	psia
D =	199	Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by
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 = 255