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)

72-125-CL

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 59

Unit K Sec. 19 Twp. 32 Rge. 9 Pay Zone: From 5746 To 5860

Casing: OD 7-5/8 WT. 26.4 Set At 3652 Tubing: OD 2" WT. 4.7 T. Perf. 5697

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .579 Estimated ____

Date of Flow Test: From 7/30/58 To 8/9/58 * Date S.I.P. Measured 5/2/58 (32 days)

Meter Run Size ____ Orifice Size ____ 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 (6.8) ^{2} x sp. const. 10	=	462	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	462	psia	(h)
P_t = (h) + (f)	=	462	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1038	psig + 12 =	1050	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1038	psig + 12 =	1050	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1050	psia	(l)
Flowing Temp. (Meter Run) 83 °F + 460	=	543	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	525	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{\_\_\_\_} \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{\_\_\_\_} = \text{\_\_\_\_} \right)^{*} = 205 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{826875}{888239} \right]^{n} = 205 \left[\frac{826875}{888239} \right]^{.9309^{*78}} = 205 \left[\frac{826875}{888239} \right]^{.9477} = 194 \text{ MCF/da.}$$

SUMMARY

P_c =	1050	psia
Q =	205	Mcf/day
P_w =	463	psia
P_d =	525	psia
D =	194	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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3414	.220	3,713	817	213 444	214261	463

D at 500 = 197