Form C-122-A

Revised April 20, 195

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 South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Rincon Unit Well No. 77

Unit A P Sec. 34 Twp. 27 Rge. 7 Pay Zone: From 2898 To 2946

Casing: OD 5-1/2 WT. 15.5 Set At 3000 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2903

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .659 Estimated ____

Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 1-9-57 (11 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 (7.40)^2 x sp. const. 5	=	274	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	274	psia	(h)
P_t = (h) + (f)	=	274	psia	(i)
Wellhead casing shut-in pressure (Dwt) 818	psig + 12 =	830	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 813	psig + 12 =	830	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	830	psia	(l)
Flowing Temp. (Meter Run) 48 °F + 460	=	508	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	415	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 323 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,323 \left[\frac{P_c^2 - P_d^2 = 516,675}{P_c^2 - P_w^2 = 605,604} \right]^{n} \frac{.8531}{.8738} = 282 \text{ MCF/da.}$$

SUMMARY

P_c = 830 psia

Q = [illegible] Mcf/day

P_w = 289 psia

P_d = 415 psia

D = 282 Mcf/day

Company El Paso Natural Gas

By A. R. Kendrick

Title

Witnessed by

Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1913	.130	63.234	8,220	75,076	83,296	289

D at 250 = 326