Form C-122-A

Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

74-724-01

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

Pool n South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Saunders Well No. 1

Unit P Sec. 25 Twp. 26 Rge. 6 Pay Zone: From 2876 To 2930

Casing: OD 5-1/2 WT. 15.5 Set At 2940 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2890

Produced Through: Casing Tubing X Gas Gravity: Measured .667 Estimated

Date of Flow Test: From 12/22/58 To 12/30/58 * Date S.I.P. Measured 10/15/58

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 (7.50)^2 x sp. const. 5	=	281	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	=	281	psia	(h)
P_t = (h) + (f)	=	281	psia	(l)
Wellhead casing shut-in pressure (Dwt) 957	psig + 12 =	969	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 957	psig + 12 =	969	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	969	psia	(l)
Flowing Temp. (Meter Run) 51 °F + 460	=	511	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	485	psia	(n)

FLOW RATE CALCULATION

Q = 461 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = 461 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{703736}{843124}\right]^n \frac{8346}{8576} = 395$ MCF/da.

SUMMARY

P_c =	969	psia
Q =	461	Mcf/day
P_w =	310	psia
P_d =	485	psia
D =	395	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1928	.131	128.823	16.876	78961	95837	310

D at 250 = 466

RECEIVED
JAN 19 1959
OIL CON. COM.
DIST. 3