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 Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease San Juan 28-6 Unit Well No. 27

Unit A Sec. 15 Twp. 27 Rge. 6 Pay Zone: From 4850 To 5540

Casing: OD 7 WT. 20 & 23 Set At 4810 Tubing: OD 2 WT. 4.7 T. Perf. 5486

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .690

Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 6/20/55

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 (7.65)^2 x sp. const. 10	=	585	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	585	psia	(h)
P_t = (h) + (f)	=	585	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1091	psig + 12 =	1103	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1080	psig + 12 =	1092	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1092	psia	(l)
Flowing Temp. (Meter Run) 64 °F + 460	=	524	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	546	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{____} = \text{____} \right)^{*} = 231 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,231 \left[\frac{P_c^2 - P_d^2 = 894,348}{P_c^2 - P_w^2 = 849,102} \right]^{n} \frac{1.0533}{1.0397} = 240 \text{ MCF/da.}$$

SUMMARY

P_c =	1092	psia
Q =	231	Mcf/day
P_w =	586	psia
P_d =	546	psia
D =	240	Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
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
3785	.241	4.718	1,137	342,225	343,362	586

D @ 500 = 247

RECEIVED
JAN 19 1955
OIL CON. COM.
DIST. 3