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 San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Turner Well No. 1-A (M)

Unit K Sec. 34 Twp. 31 Rge. 11 Pay Zone: From 4448 To 4593

Casing: OD 5 1/2 WT. 15.5 Set At 4655 Tubing: OD 2 WT. 4.7 T. Perf. 4533

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .685 Estimated ____

Date of Flow Test: From 6/30/57 To 7/8/57 * Date S.I.P. Measured 4/5/57 (14 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 (7.20) ^{2} x sp. const. 10	=	518	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	518	psia	(h)
P_t = (h) + (f)	=	518	psia	(i)
Wellhead casing shut-in pressure (Dwt) 674	psig + 12 =	686	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1057	psig + 12 =	1069	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1069	psia	(l)
Flowing Temp. (Meter Run) 67 °F + 460	=	527	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	535	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{____}}{\text{____}} = \text{____} \right)^{*} = 987 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,987 \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{856,536}{857,041} \right]^{n} \frac{.9994}{.9995} = 987 \text{ MCF/da.}$$

SUMMARY

P_c =	1069	psia
Q =	987	Mcf/day
P_w =	535	psia
P_d =	535	psia
D =	987	Mcf/day

Company El Paso Natural Gas
By Original Signed
Title
Witnessed by Lewis D. Galloway
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3105	.202	86.118	17,396	268,324	285,720	535

D at 500 = 992