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 Company Lease San Juan 29-7 Well No. 56

Unit A Sec. 15 Twp. 29 Rge. 7 Pay Zone: From 4782 To 5372

Casing: OD 5-1/2 WT. 14 Set At 5413 Tubing: OD 2" WT. 4.7 T. Perf. 5227

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .700 Estimated ____

Date of Flow Test: From 072357 To 080157 * Date S.I.P. Measured 2-26-57

Meter Run Size 4 Orifice Size 1.750 Type Chart sq. rt. Type Taps F

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 =	511	psia	(g)
Square root chart average reading (7.15)^2 x sp. const. 1000	=	511	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	511	psia	(h)
P_t = (h) + (f)	=	1115	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1103 / 1100	____ psig + 12 =	1112	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	____ psig + 12 =	1112	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	538	psia	(l)
Flowing Temp. (Meter Run) 78 °F + 460	=	556	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	556	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 1589 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{927,408}{923,193} \right]^{n} \frac{1.0045}{1.0034} = 1594 \text{ MCF/da.}$$

SUMMARY

P_c =	1112	psia	
Q =	1589	Mcf/day	
P_w =	560	psia	
P_d =	556	psia	
D =	1594	Mcf/day	

Company EL PASO NATURAL GAS COMPANY
By Original Signed
Title L. D. Galloway, Sr. Gas Engineer
Witnessed by Lewis D. Galloway
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3659	.234	223,204	52,230	261,121	313,351	560

D at 500 = 1588

RECEIVED
AUG 12 1957
OIL CON. COM.
DIST. 3