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 Company Date Test Filed

Operator El Paso Natural Gas Lease State Well No. 5

Unit K Sec. 36 Twp. 30N Rge. 8W Pay Zone: From 4734 To 5324

Casing: OD 5 1/2 WT. 15.5 Set At 5430 Tubing: OD 2 WT. 4.7 T. Perf. 5302

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .655 Estimated ____

Date of Flow Test: From 5/16 To 5/24/57 * Date S.I.P. Measured 12/12/56

Meter Run Size 4 Orifice Size 1.500 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 (7.10) ^{2} x sp. const. 10	=	504	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	504	psia	(h)
P_t = (h) + (f)	=	504	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1039	psig + 12 =	1051	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1020	psig + 12 =	1032	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1032	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	=	529	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	516	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 1509 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,1509 \left[\frac{\left(P_c^2 - P_d^2\right) = 798{,}768}{\left(P_c^2 - P_w^2\right) = 766{,}118} \right]^{n} \frac{1.0426}{1.0318} = 1557 \text{ MCF/da.}$$

SUMMARY

P_c =	1032	psia
Q =	1509	Mcf/day
P_w =	547	psia
P_d =	516	psia
D =	1557	Mcf/day

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

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3473	0.223	201.299	44,890	254,016	298,906	547

D at 500 = 1498

RECEIVED
JUN 5 1957
OIL CON. COM.
DIST. 3