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 Date Test Filed

Operator El Paso Natural Gas Lease San Juan 29-7 Well No. 62

Unit A Sec. 14 Twp. 29 Rge. 7 Pay Zone: From 4890 To 5456

Casing: OD 5-1/2 WT. 14 Set At 5560 Tubing: OD 2 WT. 4.7 T. Perf. 5384

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

Date of Flow Test: From 9/22 To 9/30/57 * Date S.I.P. Measured 4/9/57

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 =	548	psia (g)
Square root chart average reading (7.40)^2 x sp. const. 10	=	548	psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	548	psia (h)
P_t = (h) + (f)	=	548	psia (i)
Wellhead casing shut-in pressure (Dwt) 1098	psig + 12 =	1110	psia (j)
Wellhead tubing shut-in pressure (Dwt) ____	psig + 12 =	____	psia (k)
P_c = (j) or (k) whichever well flowed through	=	1110 +	psia (l)
Flowing Temp. (Meter Run) 63 °F + 460	=	523	°Abs (m)
P_d = ½ P_c = ½ (l)	=	555	psia (n)

FLOW RATE CALCULATION

Q = ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^* =$ 182 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 924{,}075}{\left(P_c^2 - P_w^2\right) = 931{,}102} \right]^n \frac{.9924}{.9943} = 181 \text{ MCF/da.}$$

(Q = 182)

SUMMARY

P_c =	1110	psia
Q =	182	Mcf/day
P_w =	549	psia
P_d =	555	psia
D =	181	Mcf/day

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

RECEIVED
DEC 2 1957
OIL CON. COM.
DIST. 3

* 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 + [illegible]	w
3715	0.237	2.928	.694	300,304	300,998	549

+ - SIPC used because SIPT wasn't available.

D at 500 = 188

OK

Do not use annual test in first