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 28-7 Unit Well No. 58

Unit K Sec. 29 Twp. 28 Rge. 7 Pay Zone: From 4397 To 5076

Casing: OD 5 1/2 WT. 15.5 Set At 5109 Tubing: OD 2 WT. 4.7 T. Perf. 5057

Produced Through: Casing ____ Tubing K Gas Gravity: Measured .710 Estimated ____

Date of Flow Test: From 10/9/56 To 10/17/56 * Date S.I.P. Measured 6/19/56

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 (7.25)^2 x sp. const. 10	=	526	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	526	psia	(h)
P_t = (h) + (f)	=	526	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1065	psig + 12 =	1077	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1063	psig + 12 =	1075	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1075	psia	(l)
Flowing Temp. (Meter Run) 80 °F + 460	=	540	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	538	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 976 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 976 \left[\frac{866,181}{859,583} \right]^{\frac{1.0076}{1.0057}} = 982 \text{ MCF/da.}$$

SUMMARY

P_c =	1075	psia	
Q =	976	Mcf/day	
P_w =	544	psia	
P_d =	538	psia	
D =	982	Mcf/day	

Company El Paso Natural Gas Company
By L. D. Galloway
Title
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
3590	.230	84.199	19,366	276,676	296,042	544

D @ 500 = 988

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