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 Mesa Verde Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease Florence Well No. 4-D

Unit G Sec. 20 Twp. 27 Rge. 8 Pay Zone: From 4462 To 5220

Casing: OD 5½ WT. 15.5 Set At 5242 Tubing: OD 2 WT. 4.7 T. Perf. 5099

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .725 Estimated ____

Date of Flow Test: From 5/23 To 5/31 * Date S.I.P. Measured 3/7/56

Meter Run Size 4 Orifice Size ____ 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 (7.70)^2 x sp. const. 1000	= 593	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 593	psia	(h)
P_t = (h) + (f)	= 593	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1032	psig + 12 = 1044	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1027	psig + 12 = 1039	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1039	psia	(l)
Flowing Temp. (Meter Run) 66 °F + 460	= ____	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 520	psia	(n)

FLOW RATE CALCULATION

Q = 240 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = 240 ✓ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{809,121}{726,686}\right]^n \frac{1.1134}{1.0838}$ = 260 ✓ MCF/da.

SUMMARY

P_c =	1039	psia
Q =	240	Mcf/day
P_w =	594	psia
P_d =	520	psia
D =	260 ✓	Mcf/day

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

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3646	.233	5090	1,186	351,649	352,835	594

D @ 500 = 262

C/T

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