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 East Blanco Pictured Cliff Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease San Juan 30-4 Unit Well No. 8

Unit P Sec. 16 Twp. 30 Rge. 4 Pay Zone: From 4351 To 4412

Casing: OD 7 WT. 20 Set At 4351 Tubing: OD 2 WT. 4.7 T. Perf. 4324

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .670

Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 6/29/55

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. 10 = 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) 1171 psig + 12 = 1183	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1171 psig + 12 = 1183	psia	(k)
P_c = (j) or (k) whichever well flowed through = 1183	psia	(l)
Flowing Temp. (Meter Run) 85 °F + 460 = 545	°Abs	(m)
P_d = ½ P_c = ½ (l) = 592	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 4854 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{1,049,025}{652,120} \right]^{n} = 4854 \left[1.6086 \right]^{1.4970} = 7266 \text{ MCF/da.}$$

SUMMARY

P_c =	1183	psia
Q =	4854	Mcf/day
P_w =	865	psia
P_d =	592	psia
D =	7266	Mcf/day

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

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2897	.190	2082.736	395,720	351,649	747,369	865

D @ 250 = 5949

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