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 28-6 Unit Well No. 35

Unit G Sec. 30 Twp. 28 Rge. 6 Pay Zone: From 4968 To 5630

Casing: OD 7 WT. 20 Set At 5727 Tubing: OD 2 WT. 4.7 T. Perf. 5564

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

Date of Flow Test: From 4-22 To 4-30 * Date S.I.P. Measured 1-23-56

Meter Run Size 4 Orifice Size -- Type Chart Sq. Root 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 (7.55)^2 x sp. const. 10 = 570 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 570 psia			(h)
P_t = (h) + (f) = 570 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1073 psig + 12 = 1085 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1067 psig + 12 = 1079 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1079 psia			(l)
Flowing Temp. (Meter Run) 69 °F + 460 = 529 °Abs			(m)
P_d = ½ P_c = ½ (l) = 540 psia			(n)

FLOW RATE CALCULATION

$$Q = \underline{\quad}\ (\text{integrated}) \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 666 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{872,641}{829,381} \right]^{n} \frac{1.0522}{1.0389} = 692 \text{ MCF/da.}$$

SUMMARY

P_c =	1079	psia
Q =	666	Mcf/day
P_w =	579	psia
P_d =	540	psia
D =	692	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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4034	0.254	39.213	9960	324,900	334,860	579

D @ 500 = 703

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