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 Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease San Juan 27-4 Well No. 4

Unit A Sec. 31 Twp. 27N Rge. 4W Pay Zone: From 5362 To 5960

Casing: OD 7 WT. 20 Set At 5285 Tubing: OD 2 WT. 4.7 T. Perf. 5875

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

Date of Flow Test: From 5/31 To 6/8 * Date S.I.P. Measured 11/24/53

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 (7.30)^2 x sp. const. 1000		= 533 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 533 psia	(h)
P_t = (h) + (f)		= 533 psia	(i)
Wellhead casing shut-in pressure (Dwt) 585 psig + 12 = 597 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 671 psig + 12 = 683 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 683 psia	(l)
Flowing Temp. (Meter Run) 68 °F + 460		= ____ °Abs	(m)
P_d = ½ P_c = ½ (l)		= 342 psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 349,525}{\left(P_c^2 - P_w^2\right) = 182,400} \right]^{n} \frac{1.9163}{1.628} = 44 \text{ MCF/da.}$$

SUMMARY

P_c = 683	psia	Company El Paso Natural Gas Company
Q = 27	Mcf/day	By Original Signed Lewis D. Galloway
P_w = 533	psia	Title
P_d = 342	psia	Witnessed by
D = 44	Mcf/day	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
			FRICTION NEGLIGIBLE			

D @ 500 = 29

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