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 Co. Lease San Juan 30-4 Well No. 10

Unit F Sec. 27 Twp. 30N Rge. 4W Pay Zone: From 4102 To 4400

Casing: OD 7 WT. 20 Set At 4102 Tubing: OD 2 WT. 4.7 T. Perf. 4320

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .695

Date of Flow Test: From 1/8 To 1/16/56* Date S.I.P. Measured 11/10/55

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 (7.65) ^{2} x sp. const. 10	=	585	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	585	psia	(h)
P_t = (h) + (f)	=	585	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1053	psig + 12 =	1065	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1052	psig + 12 =	1064	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1064	psia	(l)
Flowing Temp. (Meter Run) 41 °F + 460	=	501	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	532	psia	(n)

FLOW RATE CALCULATION

$$Q = 111 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 849,072}{\left(P_c^2 - P_w^2\right) = 789,871} \right]^{n} \frac{1.0750}{1.0557} = 117 \text{ MCF/da.}$$

SUMMARY

P_c =	1064	psia
Q =	111	Mcf/day
P_w =	585	psia
P_d =	532	psia
D =	117	Mcf/day

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

RECEIVED
FEB 14 1956
OIL CON. COM.
DIST. 3

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 500 = 119

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