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 Co. Lease San Juan 28-6 Well No. 2

Unit A Sec. 18 Twp. ~~26~~ 28 Rge. 6 Pay Zone: From 5308 To 5885

Casing: OD 5½ WT. 15.50 Set At 5585 Tubing: OD 2 WT. 4.7 T. Perf. 5518

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

Date of Flow Test: From 9/30/56 To 10/8/56 * Date S.I.P. Measured 12/5/55

Meter Run Size ____ Orifice Size ____ Type Chart ____ Type Taps ____

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 (7.15)² x sp. const. 10	=	511	psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	511	psia (h)
P_t = (h) + (f)	=	511	psia (i)
Wellhead casing shut-in pressure (Dwt) 1001	psig + 12 =	1013	psia (j)
Wellhead tubing shut-in pressure (Dwt) 999	psig + 12 =	1011	psia (k)
P_c = (j) or (k) whichever well flowed through	=	1011	psia (l)
Flowing Temp. (Meter Run) 65 °F + 460	=	525	°Abs (m)
P_d = ½ P_c = ½ (l)	=	506	psia (n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{____} = \text{____} \right)^{*} = 784 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{766,085}{747,797} \right]^{n} = 784 \left[\frac{1.0244}{1.0182} \right] = 798 \text{ MCF/da.}$$

SUMMARY

P_c =	1011	psia
Q =	784	Mcf/day
P_w =	524	psia
P_d =	506	psia
D =	798	Mcf/day

Company El Paso Natural Gas Company
By J. 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
3835	.243	54.332	13,203	261,121	274,324	524

D @ 500 = 783

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