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 12/14/55

Operator El Paso Natural Gas Co. Lease San Juan 28-7 Well No. 33

Unit A Sec. 13 Twp. 28 Rge. 7 Pay Zone: From 5293 To 5888

Casing: OD 5½ WT. 15.5 Set At 5930 Tubing: OD 2 WT. 4.7 T. Perf. 5790

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

Date of Flow Test: From 11/22 To 11/30 * Date S.I.P. Measured 10/14/55

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 (7.15)^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) 1056	psig + 12 =	1068	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) 54 °F + 460	=	514	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	532	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 1972 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{849,072}{786,408} \right]^{n} \frac{1.0797}{1.0592} = 2089 \text{ MCF/da.}$$

SUMMARY

P_c =	1064	psia
Q =	1972	Mcf/day
P_w =	588	psia
P_d =	532	psia
D =	2089	Mcf/day

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

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3879	.246	343,769	84,567	261,121	345,688	588

D @ 500 = 1970

OK

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