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: South Blanco Formation: Pictured Cliff County: San Juan

Purchasing Pipeline: El Paso Natural Gas Company Date Test Filed: _____

Operator: El Paso Natural Gas Company Lease: Florance Well No.: 5-B

Unit: P Sec.: 18 Twp.: 27 Rge.: 8 Pay Zone: From: 2348 To: 2404

Casing: OD: 5 1/2 WT.: 15.5 Set At: 2437 Tubing: OD: 1 1/4 WT.: 4.7 T. Perf.: 2369

Produced Through: Casing: X Tubing: _____ Gas Gravity: Measured: 635 Estimated: _____

Date of Flow Test: From: 11/8/56 To: 11/16/56 * Date S.I.P. Measured: 7/9/56

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 (7.55)^2 x sp. const. 5	=	285	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	285	psia	(h)
P_t = (h) + (f)	=	285	psia	(i)
Wellhead casing shut-in pressure (Dwt) 781	psig + 12 =	793	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 780	psig + 12 =	792	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	793	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460	=	518	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	397	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 372 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 372 \left[\frac{P_c^2 - P_d^2 = 471{,}240}{P_c^2 - P_w^2 = 547{,}624} \right]^{n\ .85} \frac{.8605}{.8802} = 327 \text{ MCF/da.}$$

SUMMARY

P_c =	793	psia
Q =	372	Mcf/day
P_w =	285	psia
P_d =	397	psia
D =	327	Mcf/day

Company: El Paso Natural Gas Company
By: L. D. Galloway
Title: Sr. Gas Engineer
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
			Friction Negligible			

D @ 250 = 379

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