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 BALLARD Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-27-56

Operator FRANK A. SCHULTZ, JR. Lease PAINE Well No. 1-14

Unit G Sec. 14 Twp. 25N Rge. 8W Pay Zone: From 2598 To 2660

Casing: OD 5-1/2" WT. 14# Set At 2604 Tubing: OD 1" WT. 1.7# T. Perf. 2633-38

Produced Through: Casing X Tubing Gas Gravity: Measured 0.698 Estimated

Date of Flow Test: From 12-23-55 To 12-31-55 * Date S.I.P. Measured July 2, 1955

Meter Run Size 4.027 Orifice Size 1.250 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 281	psig + 12 = 293	psia	(g)
Square root chart average reading ( )^2 x sp. const.	=	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 293	psia	(h)
P_t = (h) + (f)	= 293	psia	(i)
Wellhead casing shut-in pressure (Dwt) 651	psig + 12 = 663	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 651	psig + 12 = 663	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 663	psia	(l)
Flowing Temp. (Meter Run) 54 °F + 460	= 514	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 332	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{329,345}{353,720}\right]^n$ 0.941 = 816 MCF/da.

SUMMARY

P_c =	663	psia
Q =	867	Mcf/day
P_w =	293	psia
P_d =	332	psia
D =	816	Mcf/day

Company FRANK A. SCHULTZ, JR.
By [signature] Engineer
Title
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

From EPNG Chart #74-287-01 Q = (6500) 24 (100)

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