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 San Juan

Purchasing Pipeline El Pasc Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Newberry Well No. 7

Unit M Sec. SW4 Twp. 31N Rge. 12W Pay Zone: From 4779 To 4760

Casing: OD 5½ WT. 15.50 Set At 5073 Tubing: OD 2 WT. 4.7 T. Perf. 4847

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .710 Estimated ____

Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 5/3/56

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 (7.55)² x sp. const. 10	=	570	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	570	psia	(h)
P_t = (h) + (f)	=	570	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1055	psig + 12 =	1067	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1055	psig + 12 =	1067	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1067	psia	(l)
Flowing Temp. (Meter Run) 82 °F + 460	=	542	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	534	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 1211 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{853,333}{784,938} \right]^{n} \frac{1.0871}{1.0646} = 1289 \text{ MCF/da.}$$

SUMMARY

P_c =	1067	psia	
Q =	1211	Mcf/day	
P_w =	595	psia	
P_d =	534	psia	
D =	1289	Mcf/day	

Company El Paso Natural Gas Company

By Original Signed Lewis D. Galloway

Title

Witnessed by

Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3441	.221	129.641	28,651	324,900	353,551	595

D @ 500 = 1280

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