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 Company Lease Wilson Well No. 7

Unit H Sec. 35 Twp. 30 Rge. 7 Pay Zone: From 5577 To 6058

Casing: OD 5 1/2 WT. 15.5 Set At 6155 Tubing: OD 2 WT. 4.7 T. Perf. 6083

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .680 Estimated ____

Date of Flow Test: From 10-9-56 To 10-17-56 * Date S.I.P. Measured 5-29-56 (13 days)

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 (7.05)^2 x sp. const. 10	=	497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	497	psia	(h)
P_t = (h) + (f)	=	497	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1057	psig + 12 =	1057	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1033	psig + 12 =	1045	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1045	psia	(l)
Flowing Temp. (Meter Run) 73 °F + 460	=	533	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	523	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^n$ = 1854 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 818,496}{(P_c^2 - P_w^2) = 808,875}\right]^n \frac{1.0118}{1.0088} = 1865$ MCF/da.

SUMMARY

P_c = 1045 psia

Q = 1854 Mcf/day

P_w = 532 psia

P_d = 523 psia

D = 1865 Mcf/day

Company El Paso Natural Gas Company

By L. Galloway

Title ____

Witnessed by ____

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4136	.860	139,804	36,141	247,009	283,150	532

D @ 500 = 1237

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