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 Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline _____ Date Test Filed _____

Operator El Paso Natural Gas Lease San Jacinto Well No. No. 4

Unit B Sec. 21 Twp. 29N Rge. 10W Pay Zone: From 1934 To 1978

Casing: OD 5-1/2 WT. 15.5 Set At _____ Tubing: OD 1-1/4 WT. 2.4 T. Perf. 1950

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .655 Estimated _____

Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 12-31-57 (13 days)

Meter Run Size _____ Orifice Size 1.500 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 (7.45)^2 x sp. const. 500	=	278	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	278	psia	(h)
P_t = (h) + (f)	=	278	psia	(i)
Wellhead casing shut-in pressure (Dwt) 650	psig + 12 =	662	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 650	psig + 12 =	662	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	662	psia	(l)
Flowing Temp. (Meter Run) 63 °F + 460	=	523	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	331	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) $\times \left(\frac{\sqrt{h_w}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ 909 MCF/da

DELIVERABILITY CALCULATION

$D = Q$ 909 $\left[\frac{(P_c^2 - P_d^2) = 328683}{(P_c^2 - P_w^2) = 316383} \right]^n \frac{(1.0388)^{.85}}{(1.0329)} =$ 939 MCF/da.

SUMMARY

P_c = 662 psia
Q = 909 Mcf/day
P_w = ~~249~~ 349 psia
P_d = 331 psia
D = 939 Mcf/day

Company El Paso Natural Gas
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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1277	.089	500.864	44.577	77.284	121.861	349

D at 250 = 927

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