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)

72-101-01

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 29-7 Well No. 65

Unit B Sec. 22 Twp. 29 Rge. 7 Pay Zone: From 5344 To 5884

Casing: OD 5-1/2 WT. 15.5 Set At 5960 Tubing: OD 2 WT. 4.7 T. Perf. 5806

Produced Through: Casing Tubing X Gas Gravity: Measured .683 Estimated

Date of Flow Test: From 5/15/58 To 5/22/58 * Date S.I.P. Measured 3/5/58

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 (7.40) ^{2} x sp. const. 10	=	548	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	548	psia	(h)
P_t = (h) + (f)	=	548	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1057	psig + 12 =	1069	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1048	psig + 12 =	1060	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1060	psia	(l)
Flowing Temp. (Meter Run) 81 °F + 460	=	541	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	530	psia	(n)

FLOW RATE CALCULATION

$$Q = ____ \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = ____ = ____ \right)^{*} = 2119 \text{ MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q\ 2119 \left[\left\{ \frac{P_c^2 - P_d^2 = 842700}{P_c^2 - P_w^2 = 724064} \right\} \right]^n \frac{1.1638}{1.1204} = 2374 \text{ MCF/da.}$$

SUMMARY

P_c =	1060	psia
Q =	2119	Mcf/day
P_w =	632	psia
P_d =	530	psia
D =	2374	Mcf/day

Company El Paso Natural Gas
By Harold L. Kendrick
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
3965	.250	396.926	99,232	300,304	399,536	632

D at 500 = 2192

RECEIVED JUN 20 1958 OIL CON. COM. DIST. 3