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)

72-126-01

Pool Aztec Formation Pictured Cliff Ext County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Sunray Well No. 3-D

Unit M Sec. 21 Twp. 30 Rge. 10 Pay Zone: From 2864 To 2910

Casing: OD 5-1/2 WT. 15.50 Set At 3009 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2863

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .651 Estimated ____

Date of Flow Test: From 6/7/58 To 6/17/58 * Date S.I.P. Measured 4/30/58 (14 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 (6.90)^2 x sp. const. 5.0	=	238 ✓ psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	238 ✓ psia	(h)
P_t = (h) + (f)	=	238 ✓ psia	(i)
Wellhead casing shut-in pressure (Dwt) 666	psig + 12 =	678 ✓ psia	(j)
Wellhead tubing shut-in pressure (Dwt) 666	psig + 12 =	678 ✓ psia	(k)
P_c = (j) or (k) whichever well flowed through	=	678 ✓ psia	(l)
Flowing Temp. (Meter Run) 67 °F + 460	=	527 ✓ °Abs	(m)
P_d = ½ P_c = ½ (l)	=	339 ✓ psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} =$ 97 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ $D = 97 \left[\frac{344763}{403040} \right]^{.85} = 97 \left(\frac{.8554}{.8758} \right) = 85$ MCF/da.

SUMMARY

P_c =	678 ✓	psia
Q =	97 ✓	Mcf/day
P_w =	238 ✓	psia
P_d =	339 ✓	psia
D =	85 ✓	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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1864 ✓	.127 ✓	5.703 ✓	Friction Negligible			

D at 250 = 95

OK

RECEIVED
JUN 26 1958
OIL CON. COM.
DIST. 3