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 **East Blanco** Formation **Pictured Cliffs** County **Rio Arriba**

Purchasing Pipeline **El Paso Natural Gas** Date Test Filed

Operator **El Paso Natural Gas** Lease **San Juan 30-4 Unit** Well No. **16**

Unit **M** Sec. **10** Twp. **30** Rge. **4** Pay Zone: From **4177** To **4230**

Casing: OD **5-1/2** WT. **15.5** Set At **4445** Tubing: OD **2"** WT. **4.7** T. Perf. **4157**

Produced Through: Casing ____ Tubing **X** Gas Gravity: Measured **.613** Estimated ____

Date of Flow Test: From **6/29/58** To **7/9/58** * Date S.I.P. Measured **11/21/57**

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. **10**	=	**476**	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	=	**476**	psia	(h)
P_t = (h) + (f)	=	**476**	psia	(i)
Wellhead casing shut-in pressure (Dwt) **1042**	psig + 12 =	**1054**	psia	(j)
Wellhead tubing shut-in pressure (Dwt) **1042**	psig + 12 =	**1054**	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	**1054**	psia	(l)
Flowing Temp. (Meter Run) **72** °F + 460	=	**532**	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	**527**	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = **54** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 833,187}{\left(P_c^2 - P_w^2\right) = 884,340} \right]^n \frac{.9421}{.9506}$ = **51** MCF/da.

SUMMARY

P_c = **1054**	psia	Company **El Paso Natural Gas**
Q = **54**	Mcf/day	By **Original Signed**
P_w = **476**	psia	Title **Harold L. Kendrick**
P_d = **527**	psia	Witnessed by ____
D = **51**	Mcf/day	Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 62

RECEIVED
JUL 18 1958
OIL CON. COM.
DIST. 3