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)

74-674

Pool **South Blanco** Formation **Pictured Cliffs** County **San Juan**

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

Operator **El Paso Natural Gas** Lease **Schwerdtfeger** Well No. **14-A (P)**

Unit **N** Sec. **8** Twp. **27** Rge. **8** Pay Zone: From **2858** To **2916**

Casing: OD **7-5/8"** WT. **26.4** Set At **4932** Tubing: OD **2"** WT. **4.7** T. Perf. **5239**

Produced Through: Casing **X** Tubing Gas Gravity: Measured **.643** Estimated

Date of Flow Test: From **9/21/58** To **10/1/58** * Date S.I.P. Measured **5/26/58 (54 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 (6.80) ^{2} x sp. const. 5	= 231	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 231	psia	(h)
P_t = (h) + (f)	= 231	psia	(i)
Wellhead casing shut-in pressure (Dwt) 806	psig + 12 = 818	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 807	psig + 12 = 819	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 818	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	= 529	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 409	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = **960** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 501,843}{(P_c^2 - P_w^2) = 615,763} \right]^n$ **.8403** = **807** MCF/da.

SUMMARY

P_c =	818	psia
Q =	960	Mcf/day
P_w =	231	psia
P_d =	409	psia
D =	807	Mcf/day

Company **El Paso Natural Gas**

By Not Signed

Title

Witnessed by David L. Kendrick

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
			Friction Negligible			

D at 250 = 940

RECEIVED
OCT 16 1958
OIL CON. COM.
DIST. 3