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

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

Operator **El Paso Natural Gas** Lease **Klein** Well No. **No. 6**

Unit **K** Sec. **35** Twp. **26N** Rge. **6W** Pay Zone: From **2514** To **2560**

Casing: OD **5-1/2** WT. **15.5** Set At **2627** Tubing: OD **1-1/4** WT. **2.3** T. Perf. **2549**

Produced Through: Casing **X** Tubing Gas Gravity: Measured **.668** Estimated

Date of Flow Test: From **3/9/58** To **3/17/58** * Date S.I.P. Measured **11-20-57**

Meter Run Size Orifice Size **.750** 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 (7.55)^2 x sp. const. 5	=	285	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	285	psia	(h)
P_t = (h) + (f)	=	285	psia	(i)
Wellhead casing shut-in pressure (Dwt) 907	psig + 12 =	919	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 909	psig + 12 =	921	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	919	psia	(l)
Flowing Temp. (Meter Run) 47 °F + 460	=	507	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	460	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = **192** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 632961}{(P_c^2 - P_w^2) = 763336} \right]^n = 192 \left[\frac{632961}{763336} \right]^{.8292/.8529} = 164$ MCF/da.

SUMMARY

P_c =	919	psia
Q =	192	Mcf/day
P_w =	285	psia
P_d =	460	psia
D =	164	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 195

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