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 Company Date Test Filed

Operator El Paso Natural Gas Lease Rincon Well No. 68

Unit P Sec. 27 Twp. 27 Rge. 7 Pay Zone: From 3110 To 3168

Casing: OD 5-1/2 WT. 15.5 Set At 3199 Tubing: OD 2 WT. 4.7 T. Perf. 3144

Produced Through: Casing X Tubing Gas Gravity: Measured .705 Estimated

Date of Flow Test: From 10/23 To 10/31/57* Date S.I.P. Measured 12/27/56

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 (7.45) ^{2} x sp. const. .5	=	278	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	278	psia	(h)
P_t = (h) + (f)	=	278	psia	(i)
Wellhead casing shut-in pressure (Dwt) 910	psig + 12 =	922	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 778	psig + 12 =	790	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	922+	psia	(l)
Flowing Temp. (Meter Run) 46 °F + 460	=	506	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	461	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 302 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,302 \left[\frac{\left(P_c^2 - P_d^2\right) = 637,563}{\left(P_c^2 - P_w^2\right) = 772,800} \right]^{n} \frac{.8250}{.8451} = 256 \text{ MCF/da.}$$

SUMMARY

P_c =	922 + psia	Company	El Paso Natural Gas
Q =	302 Mcf/day	By	Original Signed
P_w =	278 psia	Title	Lewis D. Galloway
P_d =	461 psia	Witnessed by	
D =	256 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			

+ - Well was loaded. SIPC was used in place of SIPT.

D at .850 = 305

RECEIVED
NOV 14 1957
OIL CON. COM.
DIST. 3