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)

72-201

Pool South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Rincon Unit Well No. 114

Unit K Sec. 20 Twp. 27 Rge. 6 Pay Zone: From 3090 To 3122

Casing: OD 5-1/2 WT. 15.5 Set At 3221 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3090

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .684 Estimated ____

Date of Flow Test: From 8/30/58 To 9/7/58 * Date S.I.P. Measured 4/7/58

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 (6.85)^2 x sp. const. 5	=	235	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	235	psia	(h)
P_t = (h) + (f)	=	235	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1100	psig + 12 =	1112	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1100	psig + 12 =	1112	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1112	psia	(l)
Flowing Temp. (Meter Run) 65 °F + 460	=	525	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	556	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{____} = \text{____} \right)^{*} = 269 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{927,408}{1,175,092} \right]^{n} \quad n = .7892 \text{ or } .8180 \quad = 220 \text{ MCF/da.}$$

SUMMARY

P_c =	1112 psia	Company	El Paso Natural Gas
Q =	269 Mcf/day	By	Original Signed
P_w =	248 psia	Title	Harold L. Kendrick
P_d =	556 psia	Witnessed by	
D =	220 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2114	.142	43.851	6,227	55,225	61,452	248

D at 250 = 266

RECEIVED
OCT 2 1958
OIL CON. COM.
DIST. 3