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)

72-227

Pool South Blanco Formation ~~Mesaverde~~ P. C County ~~Rio~~ R. A.

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Rincon Well No. 118

Unit A Sec. 22 Twp. 27 Rge. 6 Pay Zone: From 3199 To 3239

Casing: OD 5-1/2 WT. 15-1/2 Set At 3283 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3214

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 661 Estimated ____

Date of Flow Test: From 10/15/58 To 10/22/58 * Date S.I.P. Measured 6/17/58 (12 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 (6.90)^2 x sp. const. 5	=	238	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	238	psia	(h)
P_t = (h) + (f)	=	238	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1030	psig + 12 =	1042	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1031	psig + 12 =	1043	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1043	psia	(l)
Flowing Temp. (Meter Run) 59 °F + 460	=	519	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	522	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 262 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{815365}{1025256} \right]^{n} \frac{.7953}{.8230} = 216 \text{ MCF/da.}$$

SUMMARY

P_c =	1043	psia
Q =	262	Mcf/day
P_w =	250	psia
P_d =	522	psia
D =	216	Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2124	.143	41.603	5,949	56,644	62,593	250

D at 250 = 259

RECEIVED
NOV 12 1958
OIL CON. COM.
DIST. 3