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)

72-198

Pool South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Nixon Well No. 111

Unit E Sec. 20 Twp. 27 Rge. 6 Pay Zone: From 3046 To 3072

Casing: OD 5-1/2 WT. 15.5 Set At 3164 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3074

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .707 Estimated ____

Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 5/20/58

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 (6.9)^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) 1059	psig + 12 = 1071	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1040	psig + 12 = 1052	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1052	psia	(l)
Flowing Temp. (Meter Run) 63 °F + 460	= 523	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 526	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^* =$ 250 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{830,025}{1,044,529}\right]^n \frac{.7946}{.8025} =$ 206 MCF/da.

SUMMARY

P_c =	1052	psia	
Q =	250	Mcf/day	
P_w =	249	psia	
P_d =	526	psia	
D =	206	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	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2173	.146	37,884	5,531	56,644	62,175	249

D at 250 = 248

RECEIVED
OCT 1 1958
OIL CON. COM.
DIST. 3