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)

72-268

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-7 Unit Well No. 86 (M)

Unit K Sec. 7 Twp. 27 Rge. 7 Pay Zone: From 4764 To 5484

Casing: OD 5-1/2 WT. 15.5 Set At 5457 Tubing: OD 2 WT. 4.7 T. Perf. 5146

Produced Through: Casing Tubing X Gas Gravity: Measured .731 Estimated

Date of Flow Test: From 9/29/58 To 10/7/58 * Date S.I.P. Measured 5/11/58

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 (6.00)^2 x sp. const. 10 = 360	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 360	psia	(h)
P_t = (h) + (f) = 360	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1091 psig + 12 = 1103	psia	(j)
Wellhead tubing shut-in pressure (Dwt) ____ psig + 12 = ____	psia	(k)
P_c = (j) or (k) whichever well flowed through = 1103	psia	(l)
Flowing Temp. (Meter Run) 73 °F + 460 = 533	°Abs	(m)
P_d = ½ P_c = ½ (l) = 552	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^*$ = 187 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{981905}{1086270}\right]^n \frac{.8394}{.8770} = 164$ MCF/da.

SUMMARY

P_c = 1103	psia	
Q = 187	Mcf/day	
P_w = 361	psia	
P_d = 552	psia	
D = 164	Mcf/day	

CORRECTED COPY

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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3762	.239	3091	739	129600	130339	361

D at 500 = 170

RECEIVED
NOV 4 1958
OIL CON. COM.
DIST. 3