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)

78-857-01

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 32-9 Unit Well No. 65

Unit K Sec. 9 Twp. 32 Rge. 9 Pay Zone: From 5976 To 6098

Casing: OD 5-1/2 WT. 15.5 Set At 6311 Tubing: OD 2 WT. 4.7 T. Perf. 6041

Produced Through: Casing Tubing X Gas Gravity: Measured .594 Estimated

Date of Flow Test: From 10/30/58 To 11/7/58 * Date S.I.P. Measured

Meter Run Size Orifice Size 1.000 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 (7.05) ^{2} x sp. const. 10	=	497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	497	psia	(h)
P_t = (h) + (f)	=	497	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1107	psig + 12 =	1119	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1101	psig + 12 =	1113	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1113	psia	(l)
Flowing Temp. (Meter Run) 50 °F + 460	=	510	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	557	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 273 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{928529}{990205} \right]^n \frac{.9577}{.9529}$ = 260 MCF/da.

SUMMARY

P_c =	1113	psia	
Q =	273	Mcf/day	
P_w =	499	psia	
P_d =	557	psia	
D =	260	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3707	.236	6,989	1,555	247,009	248,564	499

D at 500 = 270

RECEIVED
NOV 20 1958
OIL CON. COM.
DIST. 3