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)

71-063 OWWO

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease S.J. 28-7 Well No. 25

Unit K Sec. 23 Twp. 28 Rge. 7 Pay Zone: From 4967 To 5695

Casing: OD 7 WT. 23 Set At 4925 Tubing: OD 2 WT. 4.7 T. Perf. 5000 (1)

Produced Through: Casing Tubing X Gas Gravity: Measured .675 Estimated

Date of Flow Test: From 5/30/59 To 6/1/59 * Date S.I.P. Measured 9/6/58

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 (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) 607	psig + 12 = 619	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 889	psig + 12 = 901	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 901	psia	(l)
Flowing Temp. (Meter Run) 81 °F + 460	= 541	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 451	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_\right)^*$ = 153 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right) = \frac{608400}{564792}\right]^n$ 1.0772 / 1.0573 = 162 MCF/da.

SUMMARY

P_c = 901 psia
Q = 153 Mcf/day
P_w = 497 psia
P_d = 451 psia
D = 162 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
			Friction Negligible			

D at 500 = 150

Old Well Work Over.
Installed Intermitter 4//16/59

DK

RECEIVED
JUL 13 1959
OIL CON. COM.
DIST. 3