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)

72-143-01

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 29-7 Well No. 61

Unit M Sec. 34 Twp. 29 Rge. 7 Pay Zone: From 3068 To 5742

Casing: OD 5-1/2 WT. 15.5 Set At 5777 Tubing: OD 2 WT. 4.7 T. Perf. 5697

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .699 Estimated ____

Date of Flow Test: From 6/21/58 To 6/29/58 * Date S.I.P. Measured 9/26/57

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 (7.00)^2 x sp. const. 10 = 490 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 490 psia			(h)
P_t = (h) + (f) = 490 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1084 psig + 12 = 1096 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1087 psig + 12 = 1099 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1099 psia			(l)
Flowing Temp. (Meter Run) 76 °F + 460 = 536 °Abs			(m)
P_d = ½ P_c = ½ (l) = 550 psia			(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 1352 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1352 \left[\frac{905301}{927141} \right]^{.9764/.9822} = 1328 \text{ MCF/da.}$$

SUMMARY

P_c = 1099	psia	Company El Paso Natural Gas
Q = 1352	Mcf/day	By Original Signed
P_w = 550	psia	Title Harold L. Kendrick
P_d = 550	psia	Witnessed by ____
D = 1328	Mcf/day	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
3982	.251	161.595	40,560	240,100	280,660	530

D at 500 = 1329

RECEIVED
JUL 18 1958
OIL CON. COM.
DIST. 3