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)

71-910-CR

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. 52

Unit B Sec. 24 Twp. 28 Rge. 7 Pay Zone: From 4980 To 5624

Casing: OD 5-1/2 WT. 15.5 Set At 5717 Tubing: OD 2 WT. 4.7 T. Perf. 5595

Produced Through: Casing X Tubing Gas Gravity: Measured .612 Estimated

Date of Flow Test: From 5/30/59 To 6/7/59 * 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) 655	psig + 12 = 667	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 389	psig + 12 = 401	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 667	psia	(l)
Flowing Temp. (Meter Run) 85 °F + 460	= 545	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 334	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\quad} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 442 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \, 442 \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{333333}{197880} \right]^{n} \frac{1.6845}{1.4760} = 653 \text{ MCF/da.}$$

SUMMARY

P_c =	667 psia	Company	El Paso Natural Gas
Q =	442 Mcf/day	By	Original Signed
P_w =	497 psia	Title	Harold L. Kendrick
P_d =	334 psia	Witnessed by	
D =	653 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

G_L	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 500 = 416

OK

Pitot, 1/21/59

RECEIVED
JUL 27 1959
OIL CON. COM.
DIST. 3