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)

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Rincon Unit Well No. 79

Unit A Sec. 17 Twp. 27N Rge. 6W Pay Zone: From 4897 To 5566

Casing: OD 5½ WT. 15.5 Set At 5641 Tubing: OD 2 WT. 4.7 T. Perf. 5550

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .695 Estimated ____

Date of Flow Test: From 2/8 To 2/17/57 * Date S.I.P. Measured 8/29/56

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 (7.55)^2 x sp. const. 10 = 570 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 570 psia			(h)
P_t = (h) + (f) = 570 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1044 psig + 12 = 1056 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 981 psig + 12 = 993 psia			(k)
P_c = (j) or (k) whichever well flowed through = 993 psia			(l)
Flowing Temp. (Meter Run) 77 °F + 460 = 537 °Abs			(m)
P_d = ½ P_c = ½ (l) = 497 psia			(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{____} = \text{____} \right)^{*} = 1515 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{739,040}{611,440} \right]^{n} \frac{1.2086}{1.1527} = 1746 \text{ MCF/da.}$$

SUMMARY

P_c = 993	psia	Company El Paso Natural Gas Company
Q = 1515	Mcf/day	By Original Signed
P_w = 612	psia	Title Lewis D. Galloway
P_d = 497	psia	Witnessed by
D = 1746	Mcf/day	Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3857	.245	202.892	49,709	324,900	374,609	612

D @ 500 = 1622

RECEIVED
MAR 1 1957
OIL CON. COM.
DIST. 3