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)

70-315

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Lindsey Well No. 2

Unit B Sec. 11 Twp. 30 Rge. 9 Pay Zone: From 4432 To 5036

Casing: OD 5-1/2 WT. 15.5 Set At 5088 Tubing: OD 2 WT. 4.7 T. Perf. 5002

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .677 Estimated ____

Date of Flow Test: From 12/15/58 To 12/22/58 * Date S.I.P. Measured 11/4/58 (8)

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) 881	psig + 12 = 893	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 728	psig + 12 = 740	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 740	psia	(l)
Flowing Temp. (Meter Run) 75 °F + 460	= 535	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 370	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 1833 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{410700}{157952} \right]^{n} = \frac{2.6001}{2.0480} = 3754 \text{ MCF/da.}$$

SUMMARY

P_c =	740 psia	Company	El Paso Natural Gas
Q =	1833 Mcf/day	By	Original Signed
P_w =	624 psia	Title	Harold L. Kendrick
P_d =	370 psia	Witnessed by	
D =	3754 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
3386	.218	297,011	64748	324900	389648	624

D at 500 = 2207

OK

RECEIVED
JAN 28 1959
OIL CON. COM.
DIST. 3