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 East Blanco Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease San Juan 30-4 Unit Well No. 13

Unit M Sec. 15 Twp. 30 Rge. 4 Pay Zone: From 4170 To 4246

Casing: OD 5½ WT. 15.5 Set At 4505 Tubing: OD 2 WT. 4.7 T. Perf. 4244

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .625 Estimated ____

Date of Flow Test: From 11/30 To 12/8/56 * Date S.I.P. Measured 7/11/56 (19 days)

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 = 483 psia			(g)
Square root chart average reading (6.95)² x sp. const. 10 = 483 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 483 psia	(h)
P_t = (h) + (f)		= 483 psia	(i)
Wellhead casing shut-in pressure (Dwt) 960 psig + 12 = 972 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 959 psig + 12 = 971 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 971 psia	(l)
Flowing Temp. (Meter Run) 40 °F + 460		= 500 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 486 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*}$ = 37 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 706,645}{(P_c^2 - P_w^2) = 709,552} \right]^{n} \frac{.9959}{.9965}$ = 37 MCF/da.

SUMMARY

P_c =	971	psia
Q =	37	Mcf/day
P_w =	483	psia
P_d =	486	psia
D =	37	Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by ____
Company ____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 250 = 44 OK

RECEIVED
DEC 26 1956
OIL CON. COM.
DIST. 3