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 South Blanco Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease Rincon Well No. 45

Unit N Sec. 36 Twp. 27N Rge. 7W Pay Zone: From 2878 To 2940

Casing: OD 5½ WT. 15.5 Set At 2878 Tubing: OD 1 WT. 1.68 T. Perf. 2898

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

Date of Flow Test: From 12/31/55 To 1/8/56 * Date S.I.P. Measured 7/29/55

Meter Run Size 4" Orifice Size ____ Type Chart Sq. Rt. Type Taps Flange

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 7.75	psig + 12 =	300	psia	(g)
Square root chart average reading (____)^2 x sp. const. .5	=	300	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	300	psia	(h)
P_t = (h) + (f)	=	962	psia	(i)
Wellhead casing shut-in pressure (Dwt) 950	psig + 12 =	963	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 951	psig + 12 =	963	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	510	psia	(l)
Flowing Temp. (Meter Run) 50 °F + 460	=	482	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	____	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = 263 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 695,045}{(P_c^2 - P_w^2) = 813,474}\right]^n \frac{.8544}{.8749}$ = 230 MCF/da.

SUMMARY

P_c = 963 psia
Q = 263 Mcf/day
P_w = 337 psia
P_d = 482 psia
D = 230 Mcf/day

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

RECEIVED
JAN 9 1956
OIL CON. COM.
DIST. 3

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2014	.136	175.695	23,895	90,000	113,895	337

D @ 250 = 269