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 Aztec Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Boudecker Well No. 1

Unit B Sec. 14 Twp. 29 Rge. 10 Pay Zone: From 2414 To 2454

Casing: OD 5-1/2 WT. 15.5 Set At 3987 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2453

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .655 Estimated ____

Date of Flow Test: From 12-8-57 To 12-16-57 Date S.I.P. Measured 8-16-57 (11 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 =	____	psia	(g)
Square root chart average reading (5.70)^2 x sp. const. 5	=	163	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	163	psia	(h)
P_t = (h) + (f)	=	163	psia	(i)
Wellhead casing shut-in pressure (Dwt) 684	psig + 12 =	696	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 684	psig + 12 =	696	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	696	psia	(l)
Flowing Temp. (Meter Run) 49 °F + 460	=	509	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	348	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\_\_\_\_}{\_\_\_\_} = \_\_\_\_ \right)^{*} = 269 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{363,312}{453,022} \right]^{n} = 269 \left[\frac{.8019}{.8289} \right] = 223 \text{ MCF/da.}$$

SUMMARY

P_c =	696	psia	
Q =	269	Mcf/day	
P_w =	177	psia	
P_d =	348	psia	
D =	223	Mcf/day	

Company El Paso Natural Gas
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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-S})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1607	.110	43,864	4,825	26,569	31,394	177

D at 250 = 248

RECEIVED
FEB 25 1958
OIL CON. COM.
DIST. 3