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 Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Ledwick Well No. 13(P)

Unit G Sec. 5 Twp. 29N Rge. 10W Pay Zone: From 2308 To 2331

Casing: OD 5½ WT. 15.5 Set At 4894 Tubing: OD 2 WT. 4.7 T. Perf. 4602

Produced Through: Casing X Tubing Gas Gravity: Measured .670 Estimated

Date of Flow Test: From 2/3 To 2/17/57 * Date S.I.P. Measured 11/23/56

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 (7.30) ^{2} x sp. const. 5	= 266	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 266	psia	(h)
P_t = (h) + (f)	= 266	psia	(i)
Wellhead casing shut-in pressure (Dwt) 642	psig + 12 = 654	psia	(j)
Wellhead tubing shut-in pressure (Dwt) Mesa Verde	psig + 12 =	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 654	psia	(l)
Flowing Temp. (Meter Run) 56 °F + 460	= 516	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 327	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\quad} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 233 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,233 \left[\frac{(P_c^2 - P_d^2) = 320,787}{(P_c^2 - P_w^2) = 356,960} \right]^{n\ .8986/.9131} = 213 \text{ MCF/da.}$$

SUMMARY

P_c =	654	psia
Q =	233	Mcf/day
P_w =	266	psia
P_d =	327	psia
D =	213	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 250 = 234

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