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 PC Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 1-E

Unit H Sec. 19 Twp. 25 Rge. 4 Pay Zone: From 3646 To 3688

Casing: OD 5-1/2 WT. 15.5 Set At 3715 Tubing: OD 2 WT. 4.7 T. Perf. 3607

Produced Through: Casing X Tubing Gas Gravity: Measured .664 Estimated

Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 5-14-56 (10 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 (9.30) ^{2} x sp. const. 5	=	480	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	480	psia	(h)
P_t = (h) + (f)	=	480	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1025	psig + 12 =	1037	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1025	psig + 12 =	1037	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1037	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	=	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	519	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\quad} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 1776 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 806,008}{\left(P_c^2 - P_w^2\right) = 843,506} \right]^{n} \quad \frac{.9555}{.9621} = 1709 \text{ MCF/da.}$$

SUMMARY

P_c =	1037 psia	Company	El Paso Natural Gas
Q =	1775 Mcf/day	By	Original Signed
P_w =	482 psia	Title	Lewis D. Galloway
P_d =	519 psia	Witnessed by	
D =	1709 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
2421	.161	9.084	1,463	230,400	231,863	482

D at 250 = 2061