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 Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 4-J

Unit G Sec. 19 Twp. 26 Rge. 5 Pay Zone: From 2980 To 3040

Casing: OD 5 1/2" WT. 15.5 Set At 3068 Tubing: OD 1 1/4" WT. 2.3 T. Perf. 3020

Produced Through: Casing x Tubing Gas Gravity: Measured .690 Estimated

Date of Flow Test: From 12-31-57 To 1-8-58 * Date S.I.P. Measured 5-29-57 (9 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	= 432	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 432	psia	(h)
P_t = (h) + (f)	= 432	psia	(i)
Wellhead casing shut-in pressure (Dwt) 991	psig + 12 = 1003	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 993	psig + 12 = 1005	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1003	psia	(l)
Flowing Temp. (Meter Run) 54 °F + 460	= 514	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 502	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\quad} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 792 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \, 792 \left[\frac{P_c^2 - P_d^2 = 754005}{P_c^2 - P_w^2 = 819385} \right]^{n} \frac{9202}{9318} = 738 \text{ MCF/da.}$$

SUMMARY

P_c = 1003	psia	Company	El Paso Natural Gas
Q = 792	Mcf/day	By	
P_w = 432	psia	Title	
P_d = 502	psia	Witnessed by	Lewis D. Galloway
D = 738	Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(F_cQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 888

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