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 Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease 28-7 Unit Well No. 46

Unit H Sec. 16 Twp. 28 Rge. 7 Pay Zone: From 4545 To 5208

Casing: OD 5.5 WT. 15.5 Set At 5275 Tubing: OD 2 WT. 4.7 T. Perf. 5155

Produced Through: Casing X Tubing Gas Gravity: Measured .700 Estimated

Date of Flow Test: From 2-8-58 To 2-16-58 * Date S.I.P. Measured 4-24-57 (7 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 (7.2) ^{2} x sp. const. 10	=	518	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	518	psia	(h)
P_t = (h) + (f)	=	518	psia	(i)
Wellhead casing shut-in pressure (Dwt) 752	psig + 12 =	764	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 738	psig + 12 =	750	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	764	psia	(l)
Flowing Temp. (Meter Run) 72 °F + 460	=	532	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	382	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 210 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{437772}{315372} \right]^{n} = 210 \left[\frac{1.3881}{1.2785} \right] = 268 \text{ MCF/da.}$$

SUMMARY

P_c =	764	psia	
Q =	210	Mcf/day	
P_w =	518	psia	
P_d =	382	psia	
D =	268	Mcf/day	

Company El Paso Natural Gas Company
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 at 500 = 213

RECEIVED
MAR 13 1958
OIL CON. COM.
DIST. 3