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 Rincon Unit Well No. 89

Unit P Sec. 13 Twp. 27 Rge. 7 Pay Zone: From 3209 To 3254

Casing: OD 5-1/2 WT. 15.5 Set At 3315 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3205

Produced Through: Casing X Tubing Gas Gravity: Measured .698 Estimated

Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 1-31-57 (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 (7.35) ^{2} x sp. const. 5	= 270	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 270	psia	(h)
P_t = (h) + (f)	= 270	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1065	psig + 12 = 1077	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1066	psig + 12 = 1078	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1077	psia	(l)
Flowing Temp. (Meter Run) 48 °F + 460	= 508	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 539	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^n$ = 290 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{869,408}{1,087,029} \right]^n$ $\frac{.7998}{.8271}$ = 240 MCF/da.

SUMMARY

P_c =	1077	psia	
Q =	290	Mcf/day	
P_w =	270	psia	
P_d =	539	psia	
D =	240	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D at 250 = 291

RECEIVED
JAN 31 1958
OIL CON. COM.