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 San Juan 28-7 Unit Well No. 82 (P)

Unit A Sec. 4 Twp. 27 Rge. 7 Pay Zone: From To

Casing: OD 7-5/8 WT. 26.4 Set At 3466 Tubing: OD 1.1/4 WT. 2.4 T. Perf. 3343

Produced Through: Casing Tubing X Gas Gravity: Measured .699 Estimated

Date of Flow Test: From 9/29/58 To 10/7/58 * Date S.I.P. Measured 6/9/58

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 (6.85) ^{2} x sp. const. 5	= 235	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 235	psia	(h)
P_t = (h) + (f)	= 235	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1074	psig + 12 = 1086	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1079	psig + 12 = 1091	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1091	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	= 529	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 546	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^n$ = 289 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{892,165}{1,127,159}\right]^n \frac{7915}{8197}$ = 237 MCF/da.

SUMMARY

P_c =	1091 psia	Company	El Paso Natural Gas
Q =	289 Mcf/day	By	Original Signed
P_w =	251 psia	Title	Harold L. Kendrick
P_d =	546 psia	Witnessed by	
D =	237 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2337	0.156	50.623	7.897	55225	63122	251

D at 250 = 286

RECEIVED
NOV 4 1958
OIL CON. COM.
DIST. 3