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 Ballard Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Williams Well No. 1

Unit F Sec. 7 Twp. 26 Rge. 8 Pay Zone: From 1886 To 1926

Casing: OD 5-1/2 WT. 15.50 Set At 2020 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 1873

Produced Through: Casing X Tubing Gas Gravity: Measured .662 Estimated

Date of Flow Test: From 1-23 To 1-31-58 * Date S.I.P. Measured 9-16-57 (28 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 (6.60) ^{2} x sp. const. 5	=	218	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	218	psia	(h)
P_t = (h) + (f)	=	218	psia	(i)
Wellhead casing shut-in pressure (Dwt) 669	psig + 12 =	681	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 669	psig + 12 =	681	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	681	psia	(l)
Flowing Temp. (Meter Run) 53 °F + 460	=	513	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	341	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^*$ = 637 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 347,480}{(P_c^2 - P_w^2) = 416,237}\right]^n \frac{.8348}{.8578}$ = 546 MCF/da.

SUMMARY

P_c =	681	psia	
Q =	637	Mcf/day	
P_w =	218	psia	
P_d =	341	psia	
D =	546	Mcf/day	

Company El Paso Natural Gas
By
Title Original Signed
Witnessed by Lewis D. Galloway
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 250 = 609

RECEIVED
FEB 17 1958
OIL CON. COM.
DIST. 3