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 Fulcher Kits Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Cornell Well No. 5

Unit G Sec. 1 Twp. 29N Rge. 12W Pay Zone: From 2022 To 2056

Casing: OD 5½ WT. 14 Set At 2022 Tubing: OD 1 WT. 1.70 T. Perf. 2032

Produced Through: Casing X Tubing Gas Gravity: Measured 0.655 Estimated

Date of Flow Test: From 3/8 To 3/16/56 * Date S.I.P. Measured

Meter Run Size 4 Orifice Size Type Chart Sq. Rt. Type Taps Flange

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 (6.35) ^{2} x sp. const. 5	= 202	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 202	psia	(h)
P_t = (h) + (f)	= 202	psia	(i)
Wellhead casing shut-in pressure (Dwt) 486	psig + 12 = 498	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 =	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 498	psia	(l)
Flowing Temp. (Meter Run) 45 °F + 460	= 505	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 249	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = 111 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 186,003}{(P_c^2 - P_w^2) = 207,200} \right]^n \frac{.8977}{.9123}$ = 101 MCF/da.

SUMMARY

P_c = 498 psia
Q = 111 Mcf/day
P_w = 202 psia
P_d = 249 psia
D = 101 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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 250 = 98

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