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 KUTZ Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-26-56

Operator J. GLENN TURNER Lease HUERFANITO UNIT Well No. 40-27

Unit 1 Sec. 27 Twp. 27N Rge. 9W Pay Zone: From 2246 To 2270

Casing: OD 5-1/2" WT. 15.5# Set At 2238 Tubing: OD 1" WT. 1.7# T. Perf. 2252

Produced Through: Casing X Tubing ____ Gas Gravity: Measured 0.640 Estimated ____

Date of Flow Test: From 5-8-56 To 5-16-56 * Date S.I.P. Measured March 25, 1956

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 (7.40) ^{2} x sp. const. 5 = 274	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 274	psia	(h)
P_t = (h) + (f) = 274	psia	(i)
Wellhead casing shut-in pressure (Dwt) 622 psig + 12 = 634	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 622 psig + 12 = 634	psia	(k)
P_c = (j) or (k) whichever well flowed through = 634	psia	(l)
Flowing Temp. (Meter Run) 61 °F + 460 = 521	°Abs	(m)
P_d = ½ P_c = ½ (l) = 317	psia	(n)

FLOW RATE CALCULATION

Q = ____ (Integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{301,500}{326,900}\right]^n$ 0.934 = 84 ✓ MCF/da.

SUMMARY

P_c =	634	psia
Q =	90	Mcf/day
P_w =	274	psia
P_d =	317	psia
D =	84 ✓	Mcf/day

Company J. GLENN TURNER

By [signature] Engineer

Title ____

Witnessed by ____

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction negligible			

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