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 MESA VERDE County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 3-1-56

Operator J. GLENN TURNER Lease C. HUGHES Well No. 2-M

Unit M Sec. 3 Twp. 27N Rge. 9W Pay Zone: From 3967 To 4000

Casing: OD 5-1/2" WT. 15.5# Set At 6986 Tubing: OD 2" WT. 4.7# T. Perf. 4629

Produced Through: Casing X Tubing Gas Gravity: Measured 0.695 Estimated

Date of Flow Test: From 11-30-55 To 12-8-55 * Date S.I.P. Measured 2-22-55

Meter Run Size 4.027 Orifice Size 0.375 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 444	psig + 12 =	456	psia	(g)
Square root chart average reading ( )^2 x sp. const.	=		psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	456	psia	(h)
P_t = (h) + (f)	=	456	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1143	psig + 12 =	1155	psia	(j)
Wellhead tubing shut-in pressure (Dwt) Dual Completion	psig + 12 =	-	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1155	psia	(l)
Flowing Temp. (Meter Run) 49 °F + 460	=	509	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	578	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$ = 146 $\left[\frac{1,332,889}{1,126,000}\right]^{0.915}$ = 134 MCF/da.

n = 0.75

SUMMARY

P_c =	1155	psia
Q =	146	Mcf/day
P_w =	456	psia
P_d =	578	psia
D =	134	Mcf/day

Company J. GLENN TURNER
By Dwight L. Stoke
Title Engineer
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			

From EPNG Chart #71-109-01 Q = (61) 24 (19)

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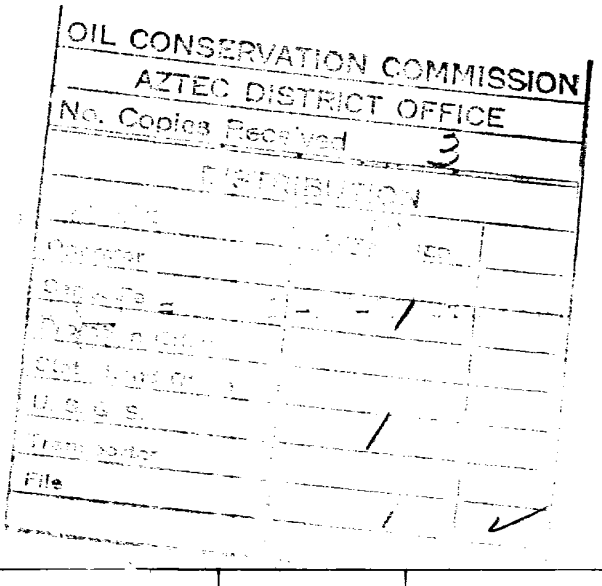
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