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 COMPANY Date Test Filed 2-2-56

Operator J. GLENN TURNER Lease NEWTANKED UNIT Well No. 12-2

Unit O Sec. 2 Twp. 26N Rge. 9W Pay Zone: From 1947 To 2015

Casing: OD 5-1/2" WT. 14# Set At 1952 Tubing: OD 1" WT. 1.70 T. Perf. 1989-94

Produced Through: Casing X Tubing ____ Gas Gravity: Measured 0.650 Estimated ____

Date of Flow Test: From 12-17-55 To 12-24-55 * Date S.I.P. Measured 7-15-55

Meter Run Size 4.067 Orifice Size 0.750 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 257	psig + 12 =	269	psia	(g)
Square root chart average reading (____)^2 x sp. const.	=	____	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	269	psia	(h)
P_t = (h) + (f)	=	269	psia	(i)
Wellhead casing shut-in pressure (Dwt) 648	psig + 12 =	660	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 648	psig + 12 =	660	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	660	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460	=	518	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	330	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{336,700}{370,399}\right]^n$ 0.893 = 93 MCF/da.

n = 0.85

SUMMARY

P_c =	660	psia
Q =	101	Mcf/day
P_w =	539	psia
P_d =	330	psia
D =	93	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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction negligible			

From EPNG Chart #71-092-61 Q = (770) 24 / (166)

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