

11 20 1955 JAN 20 1956

DIST. 3

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool 30 Miles E.G. Formation Pictured Cliffs County San Juan
Purchasing Pipeline Mt. Paso Natural Gas Co Date Test Filed Jan 20, 1956

Operator Candidate Production Co Lease Candidate Well No. 30
Unit A Sec. 25 Twp. 24N Rge. 7W Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD 1 1/2 WT. _____ T. Perf. 2697
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 12/24/55 To 12/31/55 * Date S.I.P. Measured 1/24/56
Meter Run Size 6" Orifice Size _____ Type Chart 29 16 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 (<u>7.30</u>)	² x sp. const. <u>3.00</u>	= <u>282</u>	psia	(g)
Corrected seven day ave. meter press. (p _f) (g) + (e)	_____	= _____	psia	(h)
P _t = (h) + (f)	_____	= <u>282</u>	psia	(i)
Wellhead casing shut-in pressure (Dwt)	<u>203</u>	psig + 12 = <u>215</u>	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	<u>282</u>	psig + 12 = <u>294</u>	psia	(k)
P _c = (j) or (k) whichever well flowed through	_____	= <u>294</u>	psia	(l)
Flowing Temp. (Meter Run)	<u>41</u> °F + 460	= <u>502</u>	° Abs	(m)
P _d = 1/2 P _c = 1/2 (l)	_____	= <u>292</u>	psia	(n)

FLOW RATE CALCULATION

Q = _____ X _____
(Integrated)

$\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{_____}}{\text{_____}} = \frac{\text{_____}}{\text{_____}} \right) = \text{_____ MCF/day}$

DELIVERABILITY CALCULATION

$$D = Q \frac{203}{\left[\begin{array}{l} P_C^2 - P_d^2 = 273.612 \\ P_C^2 - P_w^2 = 296.617 \end{array} \right]^n} \frac{2003}{200} = 206 \text{ MCF/da.}$$

SUMMARY

$P_c =$ _____ psia
 $Q =$ _____ Mcf/day
 $P_w =$ _____ psia
 $P_d =$ _____ psia
 $D =$ _____ Mcf/day

Company Colchester, Inc
By W. J. M. C. Conally
Title Agent
Witnessed by _____
Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_C Q)^2$	$(F_C Q)^2 (1-e^{-S})$ R^2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1707	.12	30,779	4,493	61,954	62,177	301

OK

