

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 El Paso Natural Gas Formation Permian County RA
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed February 6, 1956
Operator Blackburn & Nichols Lease EE El Paso Unit Well No. 22-24
Unit 0 Sec. 34 Twp. 31N Rge. 7E Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD 2 WT. _____ T. Perf. 944
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured 0.65 Estimated _____
Date of Flow Test: From 1/9/56 To 1/17/56 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart 24 1/2 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 (7.65)² x sp. const. 10.00 _____ = 905 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 905 psia (i)
Wellhead casing shut-in pressure (Dwt) 1006 psig + 12 = 1006 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1006 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 500 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 503 psia (n)

FLOW RATE CALCULATION

Q = 702 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* =$ _____ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 702 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$ 627 MCF/day
1.0146

SUMMARY

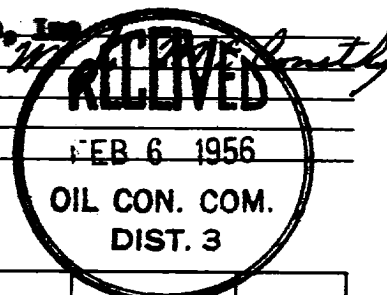
P_c = 1006 psia
Q = 702 Mcf/day
P_w = 503 psia
P_d = 503 psia
D = 627 Mcf/day

Company Gelectric, Inc.
By W. J. McQuibbly
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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column 4)		
<u>1006</u>	<u>.24</u>	<u>54.097</u>	<u>11.560</u>	<u>342.835</u>	<u>353.793</u>	<u>596.0</u>



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