

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 Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline Southern Union Gas Company Date Test Filed April 10, 1956
Operator Southern Union Gas Co. Lease Hodges Well No. 6
Unit D Sec. 27 Twp. 26N Rge. 8W Pay Zone: From 2308 To 2364
Casing: OD 5-1/2" WT. 15.5# Set At 2424 Tubing: OD 1" WT. 1.7# T. Perf. _____
Produced Through: Casing XX Tubing _____ Gas Gravity: Measured _____ Estimated .660
Date of Flow Test: From 3/23/56 To 3/31/56 Date S.I.P. Measured 12/6/55
Meter Run Size 4" Orifice Size 1" Type Chart Normal 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 185 psig + 12 = 197 psia (g)
Square root chart average reading () ² x sp. const. _____ = _____ psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ = 197 psia (h)
P_t = (h) + (f) _____ = 197 psia (i)
Wellhead casing shut-in pressure (Dwt) 614 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 613 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 313 psia (n)

Q = 146 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{None} = \sqrt{(d)}} \right)^* = \underline{146}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION
D = Q 146 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{0.85} = \underline{130}$ MCF/day
293,907 353,067 0.85 .85566 125

SUMMARY

P_c = 626 psia
Q = 146 Mcf/day
P_w = 197 psia
P_d = 313 psia
D = 130 Mcf/day

Company Southern Union Gas Company
By J. S. Muenink L. S. Muenink
Title Jr. Petroleum Engineer
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
Friction Loss Negligible						

OK



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