

Initial Deliverability
Test

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 RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 10-3-56
Operator BURTON-MARTIN Lease SHUKETA Well No. 8
Unit N Sec. 31 Twp. 26N Rge. 7W Pay Zone: From 2687 To 2784
Casing: OD 5-1/2" WT. 144 Set At 2761 Tubing: OD 1" WT. 1.74 T. Perf. 2761
Produced Through: Casing X Tubing Gas Gravity: Measured 0.675 Estimated
Date of Flow Test: From 8-23-56 To 8-31-56 * Date S.I.P. Measured 7-7-56
Meter Run Size 4" Orifice Size 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.20)² x sp. const. 5 = 259 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 259 psia (h)
P_t = (h) + (f) _____ = 259 psia (i)
Wellhead casing shut-in pressure (Dwt) 661 psig + 12 = 673 psia (j)
Wellhead tubing shut-in pressure (Dwt) 661 psig + 12 = 673 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 673 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 337 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} \right) =$ _____ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 560 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 0.896 = 502 MCF/da.

SUMMARY

P_c = 673 psia
Q = 560 Mcf/day
P_w = 259 psia
P_d = 337 psia
D = 502 Mcf/day

Company BURTON-MARTIN
By W. J. F. Stoebe
Title 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 R ²	(1-e ^{-s})	P _t ² (Column i)	P _t ² + R ²	P _w

Friction negligible



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