

Initial Deliverability
Test

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 SOUTH BLANCO F.C. Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-18-58

Operator WESTERN DRILLING CO. Lease MINNES-GENERAL Well No. 1
Unit H Sec. 26 Twp. 25N Rge. 6W Pay Zone: From 2602 To 2622
Casing: OD 5-1/2" WT. 15.50 Set At 2677 Tubing: OD 1-1/4" WT. 2.4 T. Perf. 2602
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.697 Estimated _____
Date of Flow Test: From 5-7-58 To 5-15-58 * Date S.I.P. Measured 12-9-57
Meter Run Size 4" Orifice Size 1.000 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 (7.80)² x sp. const. 5 _____ = 304 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 304 psia (h)
P_t = (h) + (f) _____ = 304 psia (i)
Wellhead casing shut-in pressure (Dwt) 854 psig + 12 = 866 psia (j)
Wellhead tubing shut-in pressure (Dwt) 854 psig + 12 = 866 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 866 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 433 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 233 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 0.876 = 204 MCF/day.

SUMMARY

P_c = 866 psia
Q = 233 Mcf/day
P_w = 304 psia
P_d = 433 psia
D = 204 Mcf/day

Company WESTERN DRILLING CO.
By William A. Drake
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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



