

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 Aztec P.C Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed _____
Operator Wood River Oil & Ref. Lease Wright Well No. 2
Unit 1 Sec. 9 Twp. 29 Rge. 10 Pay Zone: From 2108 To 2190
Casing: OD 5 1/2 WT. 14 Set At 2185 Tubing: OD 1 WT. 1.80 T. Perf. 2127
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From April 8 To April 10 Date S.I.P. Measured March 8, 1957
Meter Run Size 4 Orifice Size 1.25 Type Chart Sq Rt Type Taps Flg

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 (6.95) ² x sp. const. 800 _____ = 242 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 722 psig + 12 = 735 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 735 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 368 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{501}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 501 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{486}$ MCF/da.
404901 419121 .97088

SUMMARY

P_c = 735 psia
Q = 501 Mcf/day
P_w = 348 psia
P_d = 368 psia
D = 486 Mcf/day

Company Wood River Oil & Ref.
By _____
Title _____
Witnessed by Thurmond-McClellan
Company Thurmond-McClellan

- * 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 + F _r	P _d
1414	0.098	637.56	62.5	58,564	121.1	348



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