

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 Blance Formation Mesaverde County Rio Arriba
Purchasing Pipeline Pacific Northwest Pipeline Date Test Filed _____
Operator Magnolia Lease Jicarilla "H" Well No. 5 LT
Unit M Sec. 11 Twp. 26N Rge. 3W Pay Zone: From 5432' To 5950'
Casing: OD 5 1/2" WT. 14# Set At 6050' Tubing: OD 2 3/8" WT. 4.7# T. Perf. 5424'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated 0.68
Date of Flow Test: From 5/22/58 To 5/30/58 * Date S.I.P. Measured 8/28/57
Meter Run Size 4.027 Orifice Size 1.250 Type Chart L-10-8 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 (7.59) ² x sp. const. _____ = 577 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 577 psia (h)
P_t = (h) + (f) _____ = 577 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1614 psig + 12 = 1626 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1626 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 813 psia (n)

Q = 521 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \underline{1} = \underline{1}} \right)^* = \underline{521} MCF/day
(integrated) $\sqrt{(d)} = \underline{1}$$

DELIVERABILITY CALCULATION

D = Q 521 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.75} = \underline{465} MCF/day
 $\frac{1982.9}{2305.4}$$

SUMMARY

P_c = 1626 psia
Q = 521 Mcf/day
P_w = 582 psia
P_d = 813 psia
D = 465 Mcf/day

Company MAGNOLIA PETROLEUM COMPANY
By W.B. Thorsen
Title Dist. 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
3688	.235	24.0	5.6	332.9	338.5	582



