

Initial Deliverability  
TestForm C-122-A  
Revised April 20, 1955NEW 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 Blanco Formation Mesaverde County Rio Arriba  
Purchasing Pipeline Pacific Northwest Pipeline Co. Date Test Filed -  
Operator Magnolia Petroleum Company Lease Jicarilla "B" Well No. 6 MV-LT  
Unit A Sec. 17 Twp. 26N Rge. 3W Pay Zone: From 5188' To 6030'  
Casing: OD 5 1/2" WT. 11# Set At 6170' Tubing: OD 2 3/8" WT. 4.7# T. Perf. 5460'  
Produced Through: Casing - Tubing x Gas Gravity: Measured 0.676 Estimated -  
Date of Flow Test: From 10-7-58 To 10-15-58 \* Date S.I.P. Measured 12-15-57  
Meter Run Size 4.026" Orifice Size 0.500" Type Chart Sqr. Rt. Type Taps -

## 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 (\_\_\_\_\_) <sup>2</sup> 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 (6.71) <sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 451 psia (g)  
Corrected seven day ave. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 451 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 451 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) 1115 psig + 12 = 1127 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1127 psia (l)  
Flowing Temp. (Meter Run) 56 °F + 460 \_\_\_\_\_ = 516 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 563 psia (n)

Q = 19 X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} \frac{1}{1} = \frac{1}{1} = \frac{1}{1}} \right) =$   
(Integrated)

## DELIVERABILITY CALCULATION

D = Q 19  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{953.160}{1,066,720}^{0.75} = \frac{0.900 - 0.9240}{(0.8935)^{0.75}} = \frac{18}{0.9190}$  MCF/da.

## SUMMARY

P<sub>c</sub> = 1127 psia  
Q = 19 Mcf/day  
P<sub>w</sub> = 451 psia  
P<sub>d</sub> = 563 psia  
D = 18 Mcf/day

Company MAGNOLIA PETROLEUM COMPANY  
By William A. Zanger  
Title Jr. Gas Engineer  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

\* This is date of completion test.  
\* Meter error correction factor

## REMARKS OR FRICTION CALCULATIONS

| GL   | (1-e <sup>-S</sup> ) | (F <sub>c</sub> Q) <sup>2</sup> | (F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )<br>R <sup>2</sup> | P <sub>t</sub> <sup>2</sup><br>(Column i) | P <sub>t</sub> <sup>2</sup> + R <sup>2</sup> | P <sub>w</sub>     |
|------|----------------------|---------------------------------|------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|--------------------|
| 3691 | 0.235                | <del>31.9</del> 0.032           | 7.5 0.008                                                              | 203.401                                   | <del>210.9</del> 203.409                     | <del>451</del> 451 |

OK



