

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 LARGO Formation PICTURED CLIFF County RA  
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed OCT. 29, 1957

Operator SKELLY OIL CO. Lease JICAÑILLA #C# Well No. 9  
Unit K Sec. 22N Twp. 25N Rge. 5W Pay Zone: From 2620 To 2654  
Casing: OD 5 1/2 WT.        Set At 3546 Tubing: OD        WT.        T. Perf.         
Produced Through: Casing X Tubing        Gas Gravity: Measured .680 Estimated         
Date of Flow Test: From        To        \* Date S.I.P. Measured 1-5-57  
Meter Run Size 4" Orifice Size 1.500 Type Chart SR 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 (        ) <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 ( 7.10 ) <sup>2</sup> x sp. const. 500 = 252 psia (g)  
Corrected seven day avge. meter press. (pf) (g) + (e)        =        psia (h)  
P<sub>t</sub> = (h) + (f)        = 252 psia (i)  
Wellhead casing shut-in pressure (Dwt) 850 psig + 12 = 862 psia (j)  
Wellhead tubing shut-in pressure (Dwt)        psig + 12 =        psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through        = 862 psia (l)  
Flowing Temp. (Meter Run) 60 °F + 460        = 520 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l)        = 431 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 917  $\left[ \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{557,283}{679,540} \right]^n \cdot .8449 = \text{775} \text{ MCF/da.}$

SUMMARY

P<sub>c</sub> = 862 psia  
Q = 917 Mcf/day  
P<sub>w</sub> = 252 psia  
P<sub>d</sub> = 431 psia  
D = 775 Mcf/day

Company GELECTRIC, INC  
By J H KEYES  
Title AGENT  
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> |
|----|----------------------|---------------------------------|------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|----------------|
|    |                      |                                 |                                                                        |                                           |                                              |                |



