

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 So Blanco Formation Pictured Cliffs County SJ  
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed Jan 31, 1957  
Operator Skelly Oil Co Lease Marshall Well No. 3  
Unit 6 Sec. 15 Twp. 27N Rge. 9W Pay Zone: From \_\_\_\_\_ To \_\_\_\_\_  
Casing: OD \_\_\_\_\_ WT. \_\_\_\_\_ Set At \_\_\_\_\_ Tubing: OD \_\_\_\_\_ WT. \_\_\_\_\_ T. Perf. \_\_\_\_\_  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .670 Estimated \_\_\_\_\_  
Date of Flow Test: From 12/31/56 To 1/8/57 \* Date S.I.P. Measured \_\_\_\_\_  
Meter Run Size 4" Orifice Size \_\_\_\_\_ 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 ( \_\_\_\_\_ ) <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 (6.95) <sup>2</sup> x sp. const. 5.00 \_\_\_\_\_ = 24.2 psia (g)  
Corrected seven day avg. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 24.2 psia (i)  
Wellhead casing shut-in pressure (Dwt) 575 psig + 12 = 587 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 587 psia (l)  
Flowing Temp. (Meter Run) 90 °F + 460 \_\_\_\_\_ = 510 ° Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 293 psia (n)

FLOW RATE CALCULATION

Q = 281 X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* =$  \_\_\_\_\_ MCF/da  
(integrated)

DELIVERABILITY CALCULATION

D = Q 281  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$  256 MCF/da.  
256,720 286,005 .9187

SUMMARY

P<sub>c</sub> = 587 psia  
Q = 281 Mcf/day  
P<sub>w</sub> = 24.2 psia  
P<sub>d</sub> = 293 psia  
D = 256 Mcf/day

Company Coelectric, Inc  
By W. J. McConathy W. J. McConathy  
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> R <sup>2</sup>	(1-e <sup>-S</sup> )	P <sub>t</sub> <sup>2</sup> (Column i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>

OK

