

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 So Blanco PC Formation Pictured Cliffs County RA  
Purchasing Pipeline Al Paso Natural Gas Co Date Test Filed 3/26/57

Operator Shelly Oil Co Lease Jicarilla "C" Well No. 85  
Unit J Sec. 28 Twp. 25N Rge. 5W Pay Zone: From \_\_\_\_\_ To \_\_\_\_\_  
Casing: OD \_\_\_\_\_ WT. \_\_\_\_\_ Set At \_\_\_\_\_ Tubing: OD \_\_\_\_\_ WT. \_\_\_\_\_ T. Perf. \_\_\_\_\_  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured 4.93 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/20/57 To 2/20/57 \* Date S.I.P. Measured \_\_\_\_\_  
Meter Run Size 4" Orifice Size \_\_\_\_\_ Type Chart 32 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 7.95 \_\_\_\_\_ psig + 12 = 316 psia (g)  
Square root chart average reading (\_\_\_\_\_) <sup>2</sup> x sp. const. 5.00 \_\_\_\_\_ = 316 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 316 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 830 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = 830 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = 830 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through 830 \_\_\_\_\_ psia (l)  
Flowing Temp. (Meter Run) 49 °F + 460 \_\_\_\_\_ = 509 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 415 psia (n)

Q = 146 (integrated) X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$  \_\_\_\_\_ MCF/da

DELIVERABILITY CALCULATION

D = Q 146  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] =$  506,763  $\left[ \frac{506,763}{575,828} \right] =$  437 MCF/da.

SUMMARY

P<sub>c</sub> = 830 psia  
Q = 146 Mcf/day  
P<sub>w</sub> = 415 psia  
P<sub>d</sub> = 415 psia  
D = \_\_\_\_\_ Mcf/day

Company Conlectric, Inc  
By L.J. McCann  
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> ) R <sup>2</sup>	P <sub>t</sub> <sup>2</sup> (Column 1)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>

OK



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