

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 Blanco (MV) Formation Mesa Verde County Rio Arriba  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease San Juan 28-6 Unit Well No. 76  
Unit M Sec. 23 Twp. 28 Rge. 6 Pay Zone: From 5136 To 5674  
Casing: OD 7.548 WT. 26.4 Set At 3500 Tubing: OD 2 WT. 4.7 T. Perf. 5646  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .652 Estimated \_\_\_\_\_  
Date of Flow Test: From 1/31/58 To 2/8/58 \* Date S.I.P. Measured 6/25/57  
Meter Run Size \_\_\_\_\_ Orifice Size \_\_\_\_\_ Type Chart \_\_\_\_\_ 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 ( 7.70 )<sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 593 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 593 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 593 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = 1016 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = 1006 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1018 psia (l)  
Flowing Temp. (Meter Run) 42 °F + 460 \_\_\_\_\_ = 502 ° Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 509 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = 1075 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \times \frac{(1.1764)^{.75}}{(1.1297)} = 1214 \text{ MCF/day}$$

SUMMARY

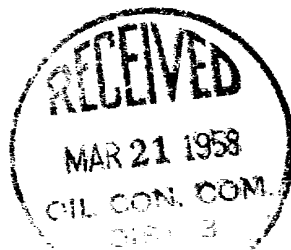
P<sub>c</sub> = 1018 psia Company El Paso Natural Gas  
Q = 1075 Mcf/day By Original Signed  
P<sub>w</sub> = 613 psia Title Lewis D. Galloway  
P<sub>d</sub> = 509 psia Witnessed by \_\_\_\_\_  
D = 1214 Mcf/day Company \_\_\_\_\_

\* 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>
3681	.235	102.151	24.005	351.649	375.654	613

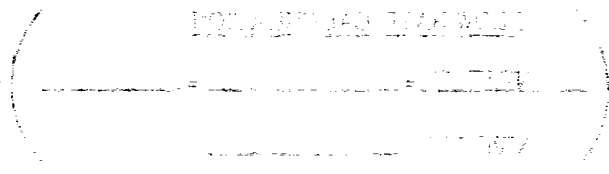
D at 500 = 1179



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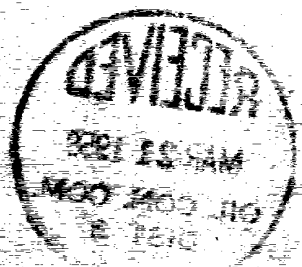
TO BE USED FOR FOUNTAIN, SIGHTED CLIFF, MESAVERDE, & ALL DAKOTA  
 EXCEPT BARKER DOME STORAGE AREA

Well Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Date of Test: \_\_\_\_\_  
 Well No.: \_\_\_\_\_  
 Test No.: \_\_\_\_\_  
 Operator: \_\_\_\_\_  
 State Land Office: \_\_\_\_\_  
 U.S.G.S.: \_\_\_\_\_  
 Transporter: \_\_\_\_\_  
 File: \_\_\_\_\_



BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10



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