

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 BALLARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4-18-56
Operator BENSON-MONTIN Lease KA-DES-PAN Well No. 1
Unit K Sec. 18 Twp. 26N Rge. 8W Pay Zone: From 1913 To 1990
Casing: OD 5-1/2" WT. 14" Set At 1918 Tubing: OD 1" WT. 1.7" T. Perf. 1970
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.665 Estimated _____
Date of Flow Test: From 3-16-56 To 3-23-56 * Date S.I.P. Measured 12-20-55
Meter Run Size 4" Orifice Size 1.000 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 (_____)² 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 (7.9)² x sp. const. 5 _____ = 312 psia (g)
Corrected seven day avge. meter press. (pg) (g) + (e) _____ = 312 psia (h)
P_t = (h) + (f) _____ = 312 psia (i)
Wellhead casing shut-in pressure (Dwt) 629 _____ psig + 12 = 641 psia (j)
Wellhead tubing shut-in pressure (Dwt) 629 _____ psig + 12 = 641 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 641 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 _____ = 510 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 321 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 370 $\left[\frac{(P_c^2 - P_d^2) = \text{308,000}}{(P_c^2 - P_w^2) = \text{314,000}} \right]^n \frac{.78 \times 5}{0.983} = \text{364 MCF/da.}$

SUMMARY

P_c = 641 psia
Q = 370 Mcf/day
P_w = 312 psia
P_d = 321 psia
D = 364 Mcf/day

Company BENSON-MONTIN
By W. J. [Signature]
Title Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



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