

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 MR 5-7-56
Operator BERNARD MONTIN Lease NO. 10000 Well No. 12
Unit H Sec. 29 Twp. 26N Rge. 8W Pay Zone: From 2017 To 2105
Casing: OD 5-1/2" WT. 14# Set At 2022 Tubing: OD 1" WT. 1.7# T. Perf. 2073
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.675 Estimated _____
Date of Flow Test: From 3-31-56 To 4-8-56 * Date S.I.P. Measured 12-20-55
Meter Run Size 4" Orifice Size 1.750 Type Chart Sq. Ft. 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 (7.75)² x sp. const. 5 _____ = 300 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 300 psia (h)
P_t = (h) + (f) _____ = 300 psia (i)
Wellhead casing shut-in pressure (Dwt) 614 psig + 12 = 628 psia (j)
Wellhead tubing shut-in pressure (Dwt) 614 psig + 12 = 628 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 628 psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 _____ = 521 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 314 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 609 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/da.}$
0.9757 594

SUMMARY

P_c = 628 psia
Q = 609 Mcf/day
P_w = 300 psia
P_d = 314 psia
D = 594 Mcf/day

Company BERNARD MONTIN
By Alvin J. [Signature]
Title Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-B})	(F _c Q) ²	(F _c Q) ² (1-e ^{-B}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



BWL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. COPIES	
Operator		
Santa Fe	1	
Operation Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓