

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 BALIARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 5-7-56
Operator BENSON-MONTIN Lease QUILZAU Well No. 8
Unit A Sec. 11 Twp. 25N Rge. 8W Pay Zone: From 2772 To 2842
Casing: OD 5-1/2" WT. 15.5# Set At 2792 Tubing: OD 1-1/4" WT. 2.4# T. Perf. 2816
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.670 Estimated _____
Date of Flow Test: From 3-31-56 To 4-8-56 Date S.I.P. Measured 1-6-56
Meter Run Size 4" Orifice Size 0.750 Type Chart Sq. 36 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 (8.05)² x sp. const. 5 _____ = 324 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 324 psia (h)
P_t = (h) + (f) _____ = 324 psia (i)
Wellhead casing shut-in pressure (Dwt) 602 psig + 12 = 614 psia (j)
Wellhead tubing shut-in pressure (Dwt) 602 psig + 12 = 614 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 614 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 307 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 348 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.034}{\text{_____}} = \text{_____ MCF/da.}$
283,000
272,000

SUMMARY

P_c = 614 psia
Q = 348 Mcf/day
P_w = 324 psia
P_d = 307 psia
D = 360 Mcf/day

Company BENSON-MONTIN
By George J. Starks
Title Engineer
Witnessed by _____
Company _____

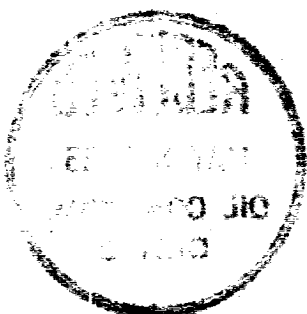
- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

OK





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