

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 MONTE BLANCO Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 5-7-56
Operator T. JACK FOSTER Lease FOSTER Well No. 1
Unit B Sec. 17 Twp 26N Rge. 7W Pay Zone: From 2180 To 2270
Casing: 005-1/2" WT. 14# Set At 2180 Tubing: OD 1" WT. 1.7# T. Perf. 2218
Produced Through: Casing I Tubing _____ Gas Gravity: Measured 0.620 Estimated _____
Date of Flow Test: From 4-15-56 To 4-22-56 Date S.I.P. Measured 2-6-56
Meter Run Size 4" Orifice Size 0.500 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 (5.55)² x sp. const. 5 _____ = 308 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 308 psia (h)
P_t = (h) + (f) _____ = 308 psia (i)
Wellhead casing shut-in pressure (Dwt) 690 psig + 12 = 702 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 702 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 702 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 _____ = 513 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 356 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 53 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{\text{366,000}}{\text{398,000}} \right]^n \text{0.9312} = \text{49}$ MCF/da.

SUMMARY

P_c = 702 psia
Q = 53 Mcf/day
P_w = 308 psia
P_d = 356 psia
D = 49 Mcf/day

Company T. JACK FOSTER
By [Signature]
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



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