

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 South Blanco Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Florence Well No. 14-D (P)
Unit K Sec. 21 Twp. 27 Rge. 8 Pay Zone: From 2320 To 2360
Casing: OD 7-5/8 WT. 26.4 Set At 4481 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2330
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 5/23/58
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 ()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 (7.00)² x sp. const. 5 _____ = 245 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 245 psia (h)
P_t = (h) + (f) _____ = 245 psia (i)
Wellhead casing shut-in pressure (Dwt) 820 psig + 12 = 832 psia (j)
Wellhead tubing shut-in pressure (Dwt) 821 psig + 12 = 833 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 833 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 _____ = 528 ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = 417 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{2098}$ MCF/da
(integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 2098 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{520000}{356389} \right]^n \frac{1.4590}{1.3780} = \underline{2891}$ MCF/da.

SUMMARY

P_c = 833 psia Company El Paso Natural Gas
Q = 2098 Mcf/day By Original Signed
P_w = 581 psia Title Harold L. Kendrick
P_d = 417 psia Witnessed by _____
D = 2891 Mcf/day 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
1503	.104	2.668.032	277,475	60,025	337,500	581

D at 250 = 2074

