

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 Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Klein Well No. 3
Unit B Sec. 30 Twp. 26N Rge. 6W Pay Zone: From 2628 To 2688
Casing: OD 5-1/2" WT. 15.5 Set At 2721 Tubing: OD 2" WT. 4.7 T. Perf. 2625
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 3/9/58 To 3/17/58 * Date S.I.P. Measured 10-29-57
Meter Run Size _____ Orifice Size 2.000 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 (7.55) ² x sp. const. 5 = 285 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 285 psia (h)
P_t = (h) + (f) = 285 psia (i)
Wellhead casing shut-in pressure (Dwt) 838 psig + 12 = 850 psia (j)
Wellhead tubing shut-in pressure (Dwt) 838 psig + 12 = 850 psia (k)
P_c = (j) or (k) whichever well flowed through = 850 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 425 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{720}$ MCF/da
(integrated) $\sqrt{(d)}$

DELIVERABILITY CALCULATION

D = Q 720 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8449}{.8667} = \underline{624}$ MCF/da.

SUMMARY

P_c = 850 psia Company El Paso Natural Gas
Q = 720 Mcf/day By Original Signed
P_w = 285 psia Title Lewis D. Galloway
P_d = 425 psia Witnessed by _____
D = 624 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
Friction Negligible						

D at 250 = 732

OK



