

Initial Deliverability
Test

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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline Kl Paso Natural Gas Date Test Filed _____

Operator Kl Paso Natural Gas Lease San Juan 30-6 Well No. 11-23
Unit L Sec. 23 Twp. 30 Rge. 6 Pay Zone: From 5608 To 6056
Casing: OD 5-1/2 WT. 14 Set At 6110 Tubing: OD 2 WT. 4.7 T. Perf. 5995
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .640 Estimated _____
Date of Flow Test: From 9/8/57 To 9/17/57 * Date S.I.P. Measured 4/18/57
Meter Run Size 4 Orifice Size 1.000 Type Chart Sq. Rt. 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 (6.30) ² x sp. const. 15 _____ = 595 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 595 psia (h)
P_t = (h) + (f) _____ = 595 psia (i)
Wellhead casing shut-in pressure (Dwt) 1085 psig + 12 = 1097 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1089 psig + 12 = 1101 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1101 psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 _____ = 521 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 551 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{P_c}}{\sqrt{P_d}} \right)^2 = \underline{681}$ MCF/day
(Integrated)

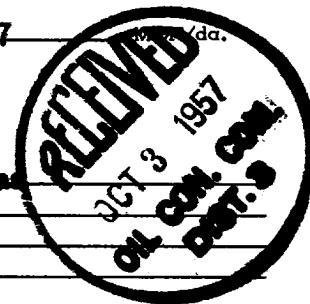
DELIVERABILITY CALCULATION

D = Q 681 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{717}$ MCF/day
 $\frac{1.0711}{1.0529}$

SUMMARY

P_c = 1101 psia
Q = 681 Mcf/day
P_w = 603 psia
P_d = 551 psia
D = 717 Mcf/day

Company Kl Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
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
3837	.243	40.998	9.963	354,025	363,988	603

D at 500 = 735

