

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 Fulcher Kuts Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Kuts Well No. 1
Unit 0 E Sec. 22 Twp. 20N Rge. 10W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. 15.5 Set At 2099 Tubing: OD 1 WT. 1.68 T. Perf. 2110
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.650 Estimated _____
Date of Flow Test: From 3/31 To 4/8/56 * Date S.I.P. Measured _____
Meter Run Size 1/2 Orifice Size _____ 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 (6.75)² x sp. const. 5 = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 238 psia (h)
P_t = (h) + (f) = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 402 psig + 12 = 414 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 414 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 = 510 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 207 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{209}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 209 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{223}$ MCF/day
 $\frac{1.0765}{1.0646}$

SUMMARY

P_c = 414 psia
Q = 209 Mcf/day
P_w = 228 psia
P_d = 207 psia
D = 223 Mcf/day
Company El Paso Natural Gas Company
By Original Signed
Title _____
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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		

FRICTION NEGLECTED

D @ 250 = 184



