

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

Operator El Paso Natural Gas Lease Turner State Well No. 9-16
Unit D Sec. 16 Twp. 27N Rge. 9W Pay Zone: From 2296 To 2336
Casing: OD 5 1/2 WT. 14 Set At 2420 Tubing: OD 1 WT. 1.68 T. Perf. 2319
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 3/8/57 To 3/17/57 * Date S.I.P. Measured 11/7/56
Meter Run Size _____ Orifice Size 1.000 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 (7.85) ² x sp. const. 500 _____ = 308 psia (g)
Corrected seven day ave. meter press. (P_f) (g) + (e) _____ = 308 psia (h)
P_t = (h) + (f) _____ = 308 psia (i)
Wellhead casing shut-in pressure (Dwt) 613 psig + 12 = 625 psia (j)
Wellhead tubing shut-in pressure (Dwt) 613 psig + 12 = 625 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 625 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 512 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 313 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{245} \text{ MCF/da}$

(integrated)

DELIVERABILITY CALCULATION

D = Q 245 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{243} \text{ MCF/da.}$

$\frac{292,656}{295,761}$ $\frac{.9895}{.9911}$

SUMMARY

P_c = 625 psia Company El Paso Natural Gas Company
Q = 245 Mcf/day By _____
P_w = 308 psia Title _____
P_d = 313 psia Witnessed by _____
D = 243 Mcf/day Company _____

- * This is date of completion test.
- * Meter error correction factor

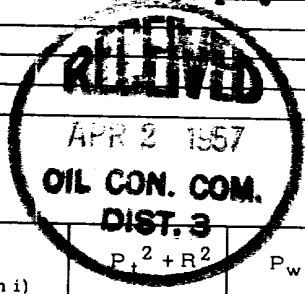
REMARKS OR FRICTION CALCULATIONS

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 NEGLECTABLE

D @ 250 = 263

OK



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