

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-KUTZ Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-6-56
Operator J. GLENN TURNER Lease STATE Well No. 7-16
Unit K Sec. 16 Twp. 27N Rge. 9W Pay Zone: From 2142 To 2200
Casing: OD 5-1/2" WT. 15.5# Set At 2141 Tubing: OD 1" WT. 1.7# T. Perf. 2172
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.645 Estimated _____
Date of Flow Test: From 5-1-56 To 5-8-56 * Date S.I.P. Measured March 14, 1956
Meter Run Size 4" 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 (7.85)² x sp. const. 5 = 308 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 308 psia (h)
P_t = (h) + (f) = 308 psia (i)
Wellhead casing shut-in pressure (Dwt) 622 psig + 12 = 624 psia (j)
Wellhead tubing shut-in pressure (Dwt) 622 psig + 12 = 624 psia (k)
P_c = (j) or (k) whichever well flowed through = 624 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 312 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 252 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{0.993}{1} = \text{_____ MCF/da.}$
292,100
294,500

SUMMARY

P_c = 624 psia
Q = 252 Mcf/day
P_w = 308 psia
P_d = 312 psia
D = 250 Mcf/day

Company J. GLENN TURNER
By [Signature]
Title Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	$\frac{(F_c Q)^2 (1-e^{-S})}{R^2}$	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



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