

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 DALLARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-3-56
Operator J. GLEN TURNER Lease SHENANDO UNIT Well No. 12-1
Unit D Sec. 1 Twp. 24N Rge. 9W Pay Zone: From 1908 To 2060
Casing: OD 5-1/2" WT. 140 Set At 1993 Tubing: OD 1" WT. 1.70 T. Perf. 2030-43
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.640 Estimated _____
Date of Flow Test: From 12-9-55 To 12-17-55 * Date S.I.P. Measured 9-9-55
Meter Run Size 4.000 Orifice Size 0.750 Type Chart 24 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 253 psig + 12 = 265 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 265 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 265 psia (h)
P_t = (h) + (f) _____ = 265 psia (i)
Wellhead casing shut-in pressure (Dwt) 646 psig + 12 = 678 psia (j)
Wellhead tubing shut-in pressure (Dwt) 645 psig + 12 = 677 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 678 psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 _____ = 514 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 339 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 430 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 0.852 = 370 MCF/da.

SUMMARY

n = 0.85

P_c = 678 psia
Q = 430 Mcf/day
P_w = 265 psia
P_d = 339 psia
D = 370 Mcf/day

Company J. GLEN TURNER
By Thelma J. Davis
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	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			

From EIMS Chart 871-076-01 Q = (2363) 24
(192)

OK



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AZTEC DISTRICT OFFICE**

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