

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 MESAVERDE Formation U V County S J
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed AUG. 14, 1958
Operator BLACKWOOD - RICHOLS Lease N E BLANCO UNIT Well No. 8-10
Unit K Sec. 10 Twp. 30 N Rge. 7 W Pay Zone: From 5260 To 5230
Casing: OD 7 WT. _____ Set At 4973 Tubing: OD 2 3/8 WT. _____ T. Perf. 5405
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 7-8 To 7-16 * Date S.I.P. Measured JUNE 12, 1958
Meter Run Size 4" Orifice Size 1.500 Type Chart S R 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 (6.95) ² x sp. const. 1000 _____ = 483 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 483 psia (i)
Wellhead casing shut-in pressure (Dwt) 944 psig + 12 = 956 psia (j)
Wellhead tubing shut-in pressure (Dwt) 944 psig + 12 = 956 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 956 psia (l)
Flowing Temp. (Meter Run) 84 °F + 460 _____ = 544 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 478 psia (n)

Q = 1,775 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1,775 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{1/n} =$ 1,918 MCF/da.
 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \frac{685,452}{618,000}$

SUMMARY

P_c = 956 psia
Q = 1,775 Mcf/day
P_w = 541 psia
P_d = 478 psia
D = 1,918 Mcf/day

Company Geoketnie Inc.
By B. H. Rogers
Title AGENT
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
3486	.224	278,508	62.366			