

Normal 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 BLANCO MESAVERDE Formation N V County S J
Purchasing Pipeline EL PASO NATURAL GAS Co. Date Test Filed Aug. 14, 1958

Operator BLACKWOOD-NICHOLS Lease HONELL Well No. 2 B
Unit M Sec. 3 Twp. 30N Rge. 7 W Pay Zone: From _____ To _____
Casing: OD 4 1/2 WT. _____ Set At 5624 Tubing: OD 2 3/8 WT. _____ T. Perf. 5502
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 7-1 To 7-8 * Date S.I.P. Measured JUNE 12, 1958
Meter Run Size 4" Orifice Size 1.250 Type Chart S R Type Taps BLANCE

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 (6.25) ² x sp. const. 1500 = 567 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 587 psia (i)
Wellhead casing shut-in pressure (Dwt) 928 psig + 12 = 940 psia (j)
Wellhead tubing shut-in pressure (Dwt) 928 psig + 12 = 940 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 940 psia (l)
Flowing Temp. (Meter Run) 80 °F + 460 _____ = 540 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 470 psia (n)

FLOW RATE CALCULATION

Q = 1,690 X $\left(\frac{\sqrt{(c)} - \sqrt{(d)}}{\sqrt{(c)}} \right)^2 =$ _____ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1,690 $\left[\frac{(P_c^2 - P_d^2) - 662,700}{(P_c^2 - P_w^2) - 480,375} \right]^n$ 1.2729 = 2,151 MCF/da.

SUMMARY

P_c = 940 psia
Q = 1690 Mcf/day
P_w = 635 psia
P_d = 470 psia
D = 2,151 Mcf/day

Company Geol. Estria Inc.
By [Signature]
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
3631	.232	252,472	58,574	344,569	403,143	635



