

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 BLANCO MESA VERDE Formation MESA VERDE County S J
Purchasing Pipeline EL PASO NATURAL GAS CO Date Test Filed Dec. 14, 1961
Operator BLANCHARD - MICHELLE Lease NE SALINE UNIT Well No. 61-19
Unit 0 Sec. 19 Twp. 31N Rge. 6W Pay Zone: From 9204 To 9726
Casing: OD 5 1/2 WT. Set At 9014 Tubing: OD 1 3/8 WT. T. Perf. 9719
Produced Through: Casing Tubing X Gas Gravity: Measured Estimated 1.10
Date of Flow Test: From Nov. 11 To Nov. 18 * Date S.I.P. Measured
Meter Run Size 4" Orifice Size 1.250 Type Chart 5A 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 (5.70) ² x sp. const. 1000 = 325 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 325 psia (h)
P_t = (h) + (f) = 325 psia (i)
Wellhead casing shut-in pressure (Dwt) 1174 psig + 12 = 1186 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1184 psig + 12 = 1196 psia (k)
P_c = (j) or (k) whichever well flowed through = 1186 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 593 psia (n)

FLOW RATE CALCULATION

Q = X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{\hspace{2cm}}$ MCF/day
(Integrated)

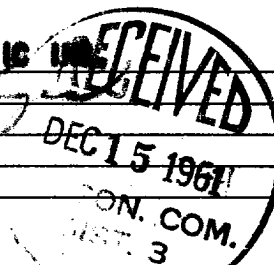
DELIVERABILITY CALCULATION

D = Q 397 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{\hspace{2cm}}$ MCF/day.
1,084,947 .8860
1,297,850 (.8120)

SUMMARY

P_c = 1186 psia
Q = 397 Mcf/day
P_w = 593 psia
P_d = 593 psia
D = 340 Mcf/day

Company GELECTRIC
By
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
3400	.224	13.932	3.121	105,625	108,746	300