

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 BALLARD PC Formation PICTURED CLIFF County RA
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed OCT. 25, 1957
Operator SKELLY OIL CO. Lease V. R. NORDHAUS Well No. 1
Unit D Sec. 19 Twp. 25N Rge. 7W Pay Zone: From 2204 To 2272
Casing: OD 5 1/2 WT. _____ Set At 2348 Tubing: OD 1" WT. _____ T. Perf. 2212
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .675 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 4-3-57
Meter Run Size 4" Orifice Size 1.500 Type Chart SR 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 (7.35)² x sp. const. 500 = 270 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 270 psia (i)
Wellhead casing shut-in pressure (Dwt) 825 psig + 12 = 837 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 837 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 _____ = 526 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 418 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 1578 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{525,845}{627,669} \right]^n \cdot \underline{.8603} = \underline{1358} \text{ MCF/da.}$

SUMMARY

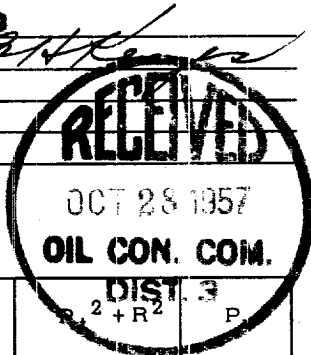
P_c = 837 psia
Q = 1578 Mcf/day
P_w = 270 psia
P_d = 418 psia
D = 1358 Mcf/day

Company GELECTRIC, INC
By B H KEVER
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)	DIST. 3 R ₁ ² + R ₂ ²	P



OK