

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 S. BLANCO Formation PICTURED CLIFF County SJ
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed Oct/ 25, 1957

Operator R & G DRILLING Co Lease GRAHAM Well No. 33
Unit A Sec. 4 Twp. 27N Rge. 8W Pay Zone: From 2126 To 2267
Casing: OD 5 1/2 WT. Set At 2251 Tubing: OD WT. T. Perf.
Produced Through: Casing X Tubing Gas Gravity: Measured .650 Estimated
Date of Flow Test: From To * Date S.I.P. Measured 5-27-57
Meter Run Size 4" Orifice Size 1.250 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 (7.25) ² x sp. const. 500 = 263 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 263 psia (h)
P_t = (h) + (f) = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) 883 psig + 12 = 895 psia (j)
Wellhead tubing shut-in pressure (Dwt) psig + 12 = psia (k)
P_c = (j) or (k) whichever well flowed through = 895 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 = 528 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 447 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 119 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{601,216}{731,896} \right]^n \cdot .8462 = 101 \text{ MCF/da.}$

SUMMARY

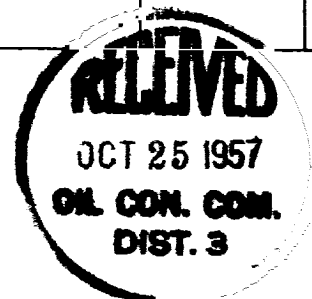
P_c = 895 psia
Q = 119 Mcf/day
P_w = 263 psia
P_d = 447 psia
D = 101 Mcf/day

Company GELECTRIC, INC
By B H KEYES
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w



OK