

Initial Deliverability
Test

Form G-133-A
Revised April 26, 1955

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 Amos Peak Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed June 12, 1960
Operator Kinross Oil Co. Lease U.S. Area Well No. 1
Unit G Sec. 18 Twp. 27N Rge. 10E Pay Zone: From 6120 To 6270
Casing: OD 2 1/2 WT. Set At 6300 Tubing: OD 1 WT. T. Perf. 8000
Produced Through: Casing Tubing X Gas Gravity: Measured .600 Estimated
Date of Flow Test: From 2-7 To 2-15 * Date S.I.P. Measured 2-3-59
Meter Run Size 4" Orifice Size 1.500 Type Chart 20 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 (6.05) ² x sp. const. 1000 = 366 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) = 366 psia (h)
P_t = (h) + (f) = 366 psia (i)
Wellhead casing shut-in pressure (Dwt) 1850 psig + 12 = 1862 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1850 psig + 12 = 1862 psia (k)
P_c = (j) or (k) whichever well flowed through = 1862 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 931 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 911 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{ } \text{ MCF/da.}$
2,600,303
2,748,502

SUMMARY

P_c = 1862 psia Company Galveston, Inc.
Q = 911 Mcf/day By
P_w = 640 psia Title Asst
P_d = 931 psia Witnessed by
D = 911 Mcf/day 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
4040	.293	2292.494	504.906	710.542	848	



