

Initial Deliverability
Test
75927 *

Form O-1294
Revised April 20, 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 Danah Formation Dakota County San Juan
Purchasing Pipeline Ki Pace Natural Gas Co. Date Test Filed _____
Operator Ki Pace Natural Gas Co. Lease Leskey Well No. 13-8
Unit I Sec. 20 Twp. 28 Rge. 9 Pay Zone: From 632 To 648
Casing: OD 5-1/2 WT. 17 Set At 660 Tubing: OD 2-1/8 WT. 4.7 T. Perf. 679
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .691 Estimated _____
Date of Flow Test: From 5/12/61 To 6/6/61 * Date S.I.P. Measured 5/7/60
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (_____) ² x sp. const. _____ = 588 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 588 psia (h)
P_t = (h) + (f) _____ = 588 psia (i)
Wellhead casing shut-in pressure (Dwt) 2036 psig + 12 = 2048 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2053 psig + 12 = 2065 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2065 psia (l)
Flowing Temp. (Meter Run) 107 °F + 460 _____ = 567 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1033 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right) = \text{1916} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1916 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{165} \text{ MCF/da.}$
107136 370823 .857 .84

SUMMARY

P_c = 2065 psia
Q = 1916 Mcf/day
P_w = 588 psia
P_d = 1033 psia
D = 165 Mcf/day

Company Ki Pace Natural Gas
By _____
Title Original signed by
Witnessed by H. L. Kendrick
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
<u>1516</u>	<u>0.201</u>	<u>321504</u>	<u>97186</u>	<u>251484</u>	<u>261200</u>	<u>588</u>

D at 588 = 1913

