

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 Basin Formation Dakota County San Juan
Purchasing Pipeline Southern Union Gas Co. Date Test Filed 9-18-61

Operator Consolidated Oil & Gas, Inc. Lease Govt. Cain Well No. 1-25
Unit A Sec. 25 Twp 31N Rge 13W Pay Zone: From 6669' To 6753'
Casing: OD 7" & 4.5" WT 20# & 11# Set At 6812' Tubing: OD 1.99 WT 2.75 T. Perf. 6612'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .673 Estimated _____
Date of Flow Test: From 8/7/61 To 8/15/61 * Date S.I.P. Measured 7/13/61
Meter Run Size 4.00 Orifice Size 1.000 Type Chart L-10 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) 629 psig + 12 = 641 psia (a)
Flowing tubing pressure (Dwt) 538 psig + 12 = 550 psia (b)
Flowing meter pressure (Dwt) 518 psig + 12 = 530 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (7.20)² x spring constant 10 = 518 psia (d)
Meter error (c) - (d) or (d) - (c) ± = 12 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing; (a) - (c) Flow through casing = 20 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.10)² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 502 psia (h)
P_t = (h) + (f) = 522 psia (i)
Wellhead casing shut-in pressure (Dwt) 1690 psig + 12 = 1702 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1680 psig + 12 = 1692 psia (k)
P_c = (j) or (k) whichever well flowed through = 1692 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 (not available) = _____ °Abs (m)
P_d = ½ P_c = ½ (l) = 846 psia (n)

FLOW RATE CALCULATION

Q = 592 X $\left(\frac{\sqrt{(c)} = 23.02173}{\sqrt{(d)} = 22.75961} = 1.0115 \right)^* = \underline{599} MCF/day
(integrated)$

DELIVERABILITY CALCULATION

D = Q 599 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{524} MCF/day
 $\frac{2147148}{2563355}$ 8755$

SUMMARY

P_c = 1692 psia
Q = 599 Mcf/day
P_w = 547 psia
P_d = 846 psia
D = 524 Mcf/day

Company Consolidated Oil & Gas, Inc.
By [Signature]
Title Chief Engineer
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
4433	.278	97.211	27.025	272.434	2995.09	547

