

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 Targuito Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline Southern Union Gas Company Date Test Filed July 7, 1964
Operator Consolidated Oil & Gas Inc. Lease Low Well No. 4-26
Unit I Sec. 26 Twp. 26N Rge. 4W Pay Zone: From 3556 To 3606
Casing: OD 5 1/2" WT. 15.50# Set At 3709 Tubing: OD 1 WT. 1.80# T. Perf. 3556
Produced Through: Casing XX Tubing _____ Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 6-9-64 To 6-17-64 * Date S.I.P. Measured 3-12-64
Meter Run Size 4.026 Orifice Size 3.000 Type Chart 1-10 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 (6.8) ² x sp. const. 10 = 462 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 462 psia (h)
P_t = (h) + (f) = 462 psia (i)
Wellhead casing shut-in pressure (Dwt) 893 psig + 12 = 893 psia (j)
Wellhead tubing shut-in pressure (Dwt) 893 psig + 12 = 893 psia (k)
P_c = (j) or (k) whichever well flowed through = 893 psia (l)
Flowing Temp. (Meter Run) 78 °F + 460 = 538 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 714 psia (n)

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

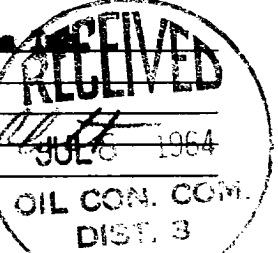
DELIVERABILITY CALCULATION

D = Q 5.832 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{287.653}{576.842} \right]^n \cdot \frac{.5536}{(.4987)} = \underline{3,228}$ MCF/da.

SUMMARY

P_c = 893 psia
Q = 5832 Mcf/day
P_w = 784 470 psia
P_d = 470 714 psia
D = 3228 Mcf/day

Company Consolidated Oil & Gas Inc.
By Ralph Abbott
Title _____
Witnessed by Ralph Abbott
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>2487</u>	<u>.165</u>	<u>43.652</u>	<u>7.203</u>	<u>213.444</u>	<u>220.607</u>	<u>470</u>

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