

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 Pictured Cliffs Formation Tropicite County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed Feb. 18, 1964
Operator Consolidated Oil & Gas Lease Champlin # Well No. 6-35
Unit 7 Sec. 25 Twp. 27N Rge. 4W Pay Zone: From 4028 To 4090
Casing: OD 4 1/2" WT. 11.60# Set At 8270 Tubing: OD 1" WT. 1.80 T. Perf. 4030
Produced Through: Casing _____ Tubing XX Gas Gravity: Measured .667 Estimated _____
Date of Flow Test: From 1-14-64 To 1-22-64 Date S.I.P. Measured 9-23-63
Meter Run Size 4.026 Orifice Size 1.290 Type Chart L-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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 1101 psig + 12 = 1113 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1101 psig + 12 = 1113 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1113 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 556 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 373 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/day}$
446,669 .9077 189
991,760 (.4504)

SUMMARY

P_c = 1113 psia
Q = 373 Mcf/day
P_w = 497 psia
P_d = 556 psia
D = 189 Mcf/day

Company Consolidated Oil & Gas Inc.
By Ralph Abbott
Title _____
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
			P.L.N.			

OK

