

Initial Deliverability
Test

Form C-122-A
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 Tapacito Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline Southern Union Gas Company Date Test Filed August 4, 1964
Operator Consolidated Oil & Gas Inc. Lease Low Well No. 3-36
Unit A Sec. 26 Twp. 26N Rge. 4W Pay Zone: From 3540 To 3621
Casing: OD 5 1/2" WT. 15.50# Set At 3703 Tubing: OD 1" WT. 1.80# T. Perf. 3540
Produced Through: Casing XX Tubing _____ Gas Gravity: Measured .657 Estimated _____
Date of Flow Test: From 6-17-64 To 6-21-64 Date S.I.P. Measured 7-3-64
Meter Run Size 4.026 Orifice Size 1.000 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.3) ² x sp. const. 10 _____ = 533 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 533 psia (h)
P_t = (h) + (f) _____ = 533 psia (i)
Wellhead casing shut-in pressure (Dwt) 930 psig + 12 = 942 psia (j)
Wellhead tubing shut-in pressure (Dwt) 930 psig + 12 = 942 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 942 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 754 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 1063 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{318.848}{603.275} \right]^n \frac{5026}{(.5205)} = \underline{618} \text{ MCF/day.}$

SUMMARY

P_c = 942 psia Company Consolidated Oil & Gas Inc.
Q = 1063 Mcf/day By Ralph Abbott
P_w = 533 psia Title _____
P_d = 754 psia Witnessed by Ralph Abbott
D = 618 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
			<u>F.L.N.</u>			

RECEIVED
AUG 5 1964
OIL CON. COM.
DIST. 3