

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 Tapecito Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed Jan 6, 1964

Operator Consolidated Oil & Gas Lease Jicarilla Well No. JS 2-8
Unit B Sec. E Twp. 26N Rge. 5W Pay Zone: From 3536 To 3576
Casing: OD _____ WT. _____ Set At _____ Tubing: OD 2" WT. 1.809 T. Perf. 3554-3577
Produced Through: Casing _____ Tubing OK Gas Gravity: Measured .65 Estimated _____
Date of Flow Test: From 11-19-63 To 11-27-63 Date S.I.P. Measured 1-23-64
Meter Run Size 1.026 Orifice Size 2.000 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:
(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 (7.35)² x sp. const. 10 _____ = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 940 psig + 12 = 952 psia (j)
Wellhead tubing shut-in pressure (Dwt) 940 psig + 12 = 952 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 952 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 762 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 693 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{325.660}{434.355} \right]^n \frac{.7831}{(.7497)} = \text{_____ MCF/da.}$

SUMMARY

P_c = 952 psia
Q = 693 Mcf/day
P_w = 687 psia
P_d = 762 psia
D = 543 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>2204</u>	<u>.148</u>	<u>1219.895</u>	<u>103.545</u>	<u>291.600</u>	<u>372.245</u>	<u>687</u>

Corrected Copy
OK Original Received 1-6-64
APM



