

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 Santa Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 3-24-64
Operator SAN AMERICAN PETROLEUM CORP. Lease Johnson Gas Unit "B" Well No. 1
Unit 6 Sec. 15 Twp. 38N Rge. 12W Pay Zone: From 6917 To 6937
Casing: OD 4-1/2 WT. 11.1 Set At 2,100 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6904
Produced Through: Casing Tubing Gas Gravity: Measured .795 Estimated
Date of Flow Test: From 3-24-64 To 3-3-64 * Date S.I.P. Measured 3-29-64
Meter Run Size 4" Orifice Size 1.390 Type Chart 29, 32, 34 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 (7.43)² x sp. const. 15 = 365 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) = 365 psia (h)
P_t = (h) + (f) = 365 psia (i)
Wellhead casing shut-in pressure (Dwt) 1964 psig + 12 = 1976 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1940 psig + 12 = 1952 psia (k)
P_c = (j) or (k) whichever well flowed through = 1952 psia (l)
Flowing Temp. (Meter Run) °F + 460 = °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 976 psia (n)

FLOW RATE CALCULATION

Q = X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \text{MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 237 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{MCF/da.}$
2,940,300 0.8644 444
2,570,941

SUMMARY

P_c = 1952 psia
Q = 237 Mcf/day
P_w = 361 psia
P_d = 976 psia
D = 444 Mcf/day

Company SAN AMERICAN PETROLEUM CORPORATION
By F. L. HENSON
Title MANAGER ENGINEER
Witnessed by F. W. POOL
Company F. W. POOL

- * 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
4893	.393	23,491	7,214	342,215	349,429	361



THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

RECEIVED JAN 11 1961

FROM THE UNIVERSITY OF CHICAGO
TO THE NATIONAL BUREAU OF STANDARDS

RE: HYDROLYSIS OF POLYMERIZATION PRODUCTS

Enclosed for the National Bureau of Standards are two copies of a report on the hydrolysis of polymerization products. The report describes the results of a study of the hydrolysis of the polymerization products of the reaction of ethylene with carbon monoxide in the presence of a nickel catalyst. The study was conducted in the Department of Chemistry, University of Chicago, under the direction of Professor R. M. Waymouth. The results of the study are presented in the report, which includes a summary of the work, a description of the experimental methods, and a discussion of the results. The report is written in a clear and concise manner, and is suitable for publication in the Journal of Polymer Science.

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