

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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 2-14-64
Operator PAN AMERICAN PETROLEUM CORP. Lease Devils "T" No. 1 Gas Unit Well No. 1
Unit D Sec. 27 Twp. 20N Rge. 13W Pay Zone: From _____ To _____
Casing: OD 4-1/2 WT. 10.5 Set At 6430 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6311
Produced Through: Casing _____ Tubing 2 Gas Gravity: Measured .699 Estimated _____
Date of Flow Test: From 1-23-64 To 2-2-64 * Date S.I.P. Measured 10-21-63
Meter Run Size 4" Orifice Size 1.750 Type Chart Sq. Rt. 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 (6.93) ² x sp. const. 10 _____ = 483 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 483 psia (h)
P_t = (h) + (f) _____ = 483 psia (i)
Wellhead casing shut-in pressure (Dwt) 1733 psig + 12 = 1744 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1734 psig + 12 = 1744 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1744 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 872 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 2344 $\left[\frac{(P_c^2 - P_d^2) = \underline{2,394,347}}{(P_c^2 - P_w^2) = \underline{2,604,290}} \right]^n \cdot \underline{.8061} = \underline{2093} \text{ MCF/da.}$

SUMMARY

P_c = 1744 psia
Q = 2344 Mcf/day
P_w = 602 psia
P_d = 873 psia
D = 2093 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. L. Hubert
Title District Engineer
Witnessed by By F. W. Full
Company F. W. Full

- * 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>4199</u>	<u>0.261</u>	<u>494,010</u>	<u>128,937</u>	<u>233,289</u>	<u>342,226</u>	<u>602</u>



OK