

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 Formation Dakota County San Juan
Purchasing Pipeline K1 Paso Natural Gas Company Date Test Filed 4-2-65
Operator PAN AMERICAN PETROLEUM CORP. Lease J. C. Gordon "D" Well No. 3
Unit K Sec. 23 Twp. 27N Rge. 10W Pay Zone: From 6574 To 6614
Casing: OD 4-1/2 WT. 10.5 Set At 6722 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6517
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .788 Estimated _____
Date of Flow Test: From 3-12-65 To 3-20-65 * Date S.I.P. Measured 10-19-64
Meter Run Size 4" Orifice Size _____ Type Chart 2q. 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 (6.9) ² x sp. const. _____ = 476 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 476 psia (h)
P_t = (h) + (f) _____ = 476 psia (i)
Wellhead casing shut-in pressure (Dwt) 1892 psig + 12 = 1904 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1892 psig + 12 = 1904 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1904 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 952 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 1418 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{1/n} = \text{_____ MCF/day}$
2,718,912 3,343,184 .8564 1214

SUMMARY

P_c = 1904 psia
Q = 1418 Mcf/day
P_w = 531 psia
P_d = 952 psia
D = 1214 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. L. Nabors
Title District Engineer
Witnessed by By: G. W. EATON, JR.
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
5135	.312	177.743	55,456	226.576	282,032	531