

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 Otero Chacra Formation Chacra County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed July 8, 1963
Operator Pan American Petroleum Corp. Lease Jicarilla Contract 146 Well No. 15
Unit H Sec. 10 Twp. 25-N Rge. 5-W Pay Zone: From 3781' To 3794'
Casing: OD 4-1/2" WT. 9.3# Set At 3897' Tubing: OD 2-3/8" WT. 4.7# T. Perf. 3747'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .668 Estimated _____
Date of Flow Test: From 5-28-63 To 6-5-63 * Date S.I.P. Measured 12-1-62
Meter Run Size 4" Orifice Size 1250 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 (7.05) ² x sp. const. 5 _____ = 249 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 249 psia (h)
P_t = (h) + (f) _____ = 249 psia (i)
Wellhead casing shut-in pressure (Dwt) 832 psig + 12 = 844 psia (j)
Wellhead tubing shut-in pressure (Dwt) 831 psig + 12 = 843 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 844 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 422 psia (n)

Q = 232 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } \right)^* = \text{ } \text{MCF/da}$

(integrated)

DELIVERABILITY CALCULATION

D = Q 232 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{ } \text{MCF/da.}$

534252 .8637 200

SUMMARY

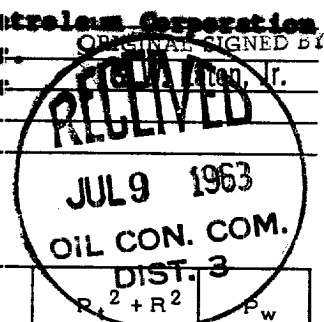
P_c = 844 psia
Q = 232 Mcf/day
P_w = 251 psia
P_d = 422 psia
D = 200 Mcf/day

Company Pan American Petroleum Corporation
By G. N. Eaton, Jr.
Title Senior Engineer
Witnessed by _____
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 _c ² + R ²	P _w
2503	.166	4.758	.790	62.001	62.791	251



Corrected ~~Test~~

