

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 Anteo-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed April 10, 1958
Operator Pan American Petroleum Corporation - Fawcett Gas Unit Well No. 1
Unit F Sec. 26 Twp. 29N Rge. 10W Pay Zone: From 2147' To 2170'
Casing: OD 4-1/2" WT 24.964 Set At 1922 Tubing: OD 1-1/4" WT 2.36 T. Perf. 2039'
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.692 Estimated _____
Date of Flow Test: From 3/2/58 To 3/16/58 * Date S.I.P. Measured 12/19/57
Meter Run Size 4" Orifice Size 1.000 Type Chart 30, 31 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 (7.992) ² x sp. const. 5 _____ = 312 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 312 psia (h)
P_t = (h) + (f) _____ = 312 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 704 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 704 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 704 psia (l)
Flowing Temp. (Meter Run) 146 °F + 460 _____ = 506 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 352 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{Q}{(\text{integrated})} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/day}$$

DELIVERABILITY CALCULATION

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

SUMMARY

P_c = 704 psia
Q = 489 Mcf/day
P_w = 312 psia
P_d = 352 psia
D = 495 Mcf/day

Company Pan American Petroleum Corporation
By E. H. Sauer, Jr.
Title Field Engineer
Witnessed by _____
Company _____

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

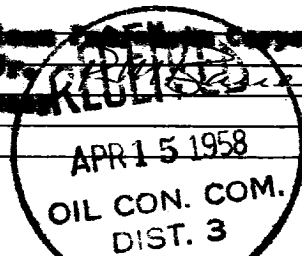
REMARKS OR FRICTION CALCULATIONS

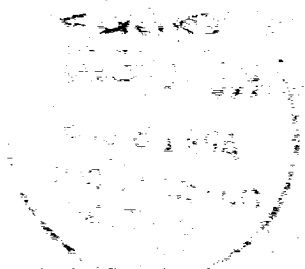
GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
Friction loss negligible.							

*Furnished by pipeline Company.

NOTE: Initial Deliverability Test is filed on blue Form C-122-A due to producing difficulties on the subject well.

OK





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