

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 El Paso Natural Gas Company Date Test Filed 1-4-66
Operator Pan American Petroleum Corp. Lease Jernapah "A" Gas Com Well No. 1
Unit H Sec. 36 Twp. 28 Rge. 9 Pay Zone: From 6442 To 6557
Casing: OD 4 $\frac{1}{2}$ WT. 10.5 Set At 6574 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6426
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .586 Estimated _____
Date of Flow Test: From 12-5-65 To 12-13-65 * Date S.I.P. Measured 10-11-65
Meter Run Size 4" Orifice Size _____ 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 (_____) $^2 \times$ 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 (7.35) $^2 \times$ sp. const. _____ = 540 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 540 psia (h)
 $P_t = (h) + (f)$ _____ = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 2085 psig + 12 = 2097 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2091 psig + 12 = 2103 psia (k)
 $P_c = (j)$ or (k) whichever well flowed through _____ = 2103 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
 $P_d = \frac{1}{2} P_c = \frac{1}{2} (l)$ _____ = 1052 psia (n)

FLOW RATE CALCULATION

$Q = \frac{V(c)}{V(d)} \times \left(\frac{P_c^3 - P_d^3}{P_c^2 - P_d^2} \right) = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^3 - P_d^3}{P_c^2 - P_d^2} \right]^n = \text{_____ MCF/da.}$
671 3,315,905 .8494 570

SUMMARY

$P_c =$ 2103 psia
 $Q =$ 671 Mcf/day
 $P_w =$ 549 psia
 $P_d =$ 1052 psia
 $D =$ 570 Mcf/day

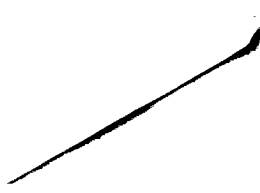
Company Pan American Petroleum Corporation
By G. W. Eaton, Jr.
Title Area Engineer
Witnessed by _____
Company _____

- * 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)	$P_t^2 + R^2$	P_d
3766	0.240	39.800	9.552	291.600	301,152	549

RECEIVED
JAN 6 1966
OIL CON. COM.
DIST. 3



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