

(To be used for Fruitland, Pictured Cliffs, Mesaverde, & all Dakota
except Barker Dome Storage Area)

POOL St. James P.C. FORMATION Pictured Rocks COUNTY Is. Aretha

PURCHASING PIPELINE El Paso Natural Gas Co DATE TEST FILED Dec 8, 1955

OPERATOR Candidate Production Co LEASE John Wilson WELL NO. 1

UNIT C SEC. 22 TWP. 26N RGE. 7E PAY ZONE: From _____ To 2278

CASING: OD 6 1/2 WT. 22 SET AT 220 TUBING: OD WT. T.Perf.

PRODUCED THROUGH: CASING 2 TUBING GAS GRAVITY: MEASURED .660 ESTIMATED

DATE OF FLOW TEST: From 9/9/55 To 9/16/55 *Date S.I.P. MEASURED 9/1/55

METER RUN SIZE 1 1/2" ORIFICE SIZE 1/2" TYPE CHART Sq. Ft. 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). $\pm$ _____ = _____ 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 (7.00)² x sp. const. 5.00 = 24.5 psia (g)

Corrected seven day ave. meter press. $(p_f)(g) + (e)$ = _____ psia (h)

$$P_t = (h) + (f) \dots \dots \dots = \underline{24.5} \text{ psia} \quad (f)$$

Wellhead casing shut-in pressure (Dwt) 682 psig + 12 = 694 psia (j)

Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)

$P_2 = (j) \text{ or } (k) \text{ whichever well flowed through.} \dots \dots \dots = \underline{\underline{60}} \text{ psia} \quad (1)$

Flowing Temp. (Meter Run) °F + 460 = 525 °Abs (m)

$$P_d = \frac{1}{2} P_o = \frac{1}{2} (1) \dots \dots \dots = \underline{.50} \text{ psia (n)}$$

FLOW RATE CALCULATION

$$Q = \frac{417}{(\text{integrated})} \times \left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \right)^* = \underline{\hspace{1cm}} \text{ MCF/da.}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{361,227}{121,611} \times 366 = 1077.1 \text{ MCF/da.}$$

SUMMARY

$P_c =$ _____ psia Company _____

Q = 112 Mcf/day By Geological, Inc as / m c n T D

P₁ = 345 psia Title W. J. M. Conolly

P₂ = 34.7 psia Witnessed by

Witnessed by _____
D = _____ Mcf/day 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 1)	$P_t^2 + R^2$	P_w
			NEGLECTABLE			

DEC 12 1955
CIV. CON. COM.
DIST. 3

OIL COMPLETION COMMISSION			
WELL IDENTIFICATION			
Well Name	No. 3		
Section	1		
Township	1		
Range	1		
County	✓		