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 Blanco - Mesaverde FORMATION Mesaverde COUNTY San Juan

PURCHASING PIPELINE Southern Union Gathering Company DATE TEST FILED 2/3/56

OPERATOR Pubco-Taylor Oil Corp. LEASE Florance WELL NO. 32

UNIT M SEC. 25 TWP. 30N RGE. 8W PAY ZONE: From 5080 To 5814

CASING: OD 5.500 WT. 15.50 SET AT 5850 TUBING: OD 2.375 WT. 4.70 T.Perf. 5809

PRODUCED THROUGH: CASING ____ TUBING X GAS GRAVITY: MEASURED 0.685 ESTIMATED ____

DATE OF FLOW TEST: From 1/17/56 To 1/24/56 *Date S.I.P. MEASURED 1/10/56

METER RUN SIZE 4.026 ORIFICE SIZE 2.500 TYPE CHART Normal TYPE TAPS Flange

OBSERVED DATA

Flowing casing pressure (Dwt)	-	psig + 12 =	-	psia (a)
Flowing tubing pressure (Dwt)	588	psig + 12 =	600	psia (b)
Flowing meter pressure (Dwt)	578	psig + 12 =	590	psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:				
Normal chart reading.	578	psig + 12 =	590	psia (d)
Square root chart reading (____) ^{2} x spring constant ____		=	____	psia (d)
Meter error (c) - (d) or (d) - (c). . . . . ±		=	0	psi (e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing...		=	10	psi (f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading.	585	psig + 12 =	597	psia (g)
Square root chart average reading (____) ^{2} x sp. const. ____		=	____	psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		=	597	psia (h)
P_t = (h) + (f)		=	607	psia (i)
Wellhead casing shut-in pressure (Dwt)	1005	psig + 12 =	1017	psia (j)
Wellhead tubing shut-in pressure (Dwt)	1004	psig + 12 =	1016	psia (k)
P_c = (j) or (k) whichever well flowed through.		=	1016	psia (l)
Flowing Temp. (Meter Run). . . .	60	°F + 460 . . . . . =	520	°Abs (m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l)		=	508	psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{3,754} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{348.100}{346.100} = 1.009 \right)^{*} = 3,754 \text{ MCF/da.}$$

DELIVERABILITY CALCULATION

$$D = Q \; 3,754 \left[\frac{\left| P_c^2 - P_d^2 \right| = 882.867}{\left| P_c^2 - P_w^2 \right| = 875.247} \right]^{n} 1.0087 = 5,880 \text{ MCF/da.}$$

SUMMARY

P_c =	1016 psia	Company	Pubco-Taylor Oil Corporation
Q =	3,754 Mcf/day	By	J. E. Kruger
P_w =	813 psia	Title	Dist. Engineer
P_d =	508 psia	Witnessed by	
D =	5,880 Mcf/day	Company	

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3589	0.230	1,272.434	292.660	368.449	660.109	813

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