Form C-122-A
Revised April 20, 1955

Initial Deliverability Test — Following work-over

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 Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed

Operator Anderson-Prichard Oil Corp. Lease Maddox Well No. 1

Unit M Sec. 17 Twp. 30 Rge. 8 Pay Zone: From 4170 To 4734

Casing: OD 7 WT. 20 Set At 4100 Tubing: OD 2 WT. 4.70 T. Perf. 4730

Produced Through: Casing — Tubing x Gas Gravity: Measured .665 Estimated

Date of Flow Test: From May 25 To May 31 * Date S.I.P. Measured 5-2-57

Meter Run Size 4 Orifice Size 1.50 Type Chart sq rt Type Taps flg

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 (7.65) ^{2} x sp. const. 1009	= 585	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	psia	(h)
P_t = (h) + (f)	= 585	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 =	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 927	psig + 12 = 939	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 939	psia	(l)
Flowing Temp. (Meter Run) 71 °F + 460	= 531	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 468	psia	(n)

FLOW RATE CALCULATION

Q = 843 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^*$ = 843 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{662697}{526721}\right]^n$ 1.1879 = 1,001 MCF/da.

SUMMARY

P_c = 939 psia
Q = 843 Mcf/day
P_w = 806 psia
P_d = 468 psia
D = 1001 Mcf/day

Company Anderson-Prichard Oil Corp.
By
Title
Witnessed by Lewis Stoller
Company Thurmond-McGlothlin

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	P_c^2	P_w
3145	0.804	62.82	12.8	342[illegible]2		[illegible]6

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