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 Formation Mesaverde County San Juan

Purchasing Pipeline ElPaso Natural Date Test Filed

Operator Blackwood Nichols Lease NEBU Well No. 6-29

Unit Sec. 29 Twp. 30N Rge. 7W Pay Zone: From 5432 To 6035

Casing: OD 7 WT. Set At 5210 Tubing: OD 2 WT. 4.70 T. Perf. 6035

Produced Through: Casing Tubing Gas Gravity: Measured .677 Estimated

Date of Flow Test: From 4/21 To 4/29 Date S.I.P. Measured 5/6/60

Meter Run Size Orifice Size 1.250 Type Chart Type Taps

OBSERVED DATA

Flowing casing pressure (Dwt)	546 psig + 12 =	558	psia	(a)
Flowing tubing pressure (Dwt)	509 psig + 12 =	521	psia	(b)
Flowing meter pressure (Dwt)	506 psig + 12 =	518	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:				
Normal chart reading	psig + 12 =		psia	(d)
Square root chart reading (7.20)^2 x spring constant 1000	=	518	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	=	3	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	psig + 12 =		psia	(g)
Square root chart average reading (7.05)^2 x sp. const.	=	497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	497	psia	(h)
P_t = (h) + (f)	=	500	psia	(i)
Wellhead casing shut-in pressure (Dwt) 595	psig + 12 =	607	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 595	psig + 12 =	607	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	607	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	=	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	304	psia	(n)

FLOW RATE CALCULATION

Q = 492 (integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = 1.000\right)^2$ = 492 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{276.033}{112.949} = 2.4438\right]^n$ 1.9545 = 962 MCF/da.

SUMMARY

P_c =	607	psia
Q =	492	Mcf/day
P_w =	505	psia
P_d =	304	psia
D =	962	Mcf/day

Company Blackwood Nich

By

Title

Witnessed by Thurmond

Company

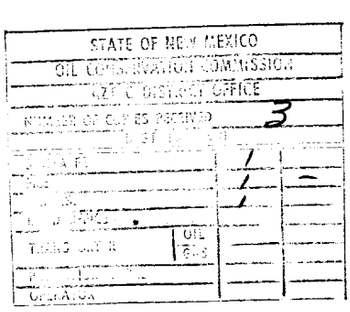
RECEIVED JUN 7 1960 OIL CON. COM. DIST. 3

* 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
4086	.257	21.400	5.500	250.000	255.500	505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