Form C-122
Revised 12-1-55

MULTI-POINT [illegible] TEST FOR GAS WELLS

Pool Blinebry Gas Formation Blinebry County Lea

Initial x Annual [illegible] Special [illegible] Date of Test 8-1 to 9-1957

Company The Texas Company Lease L. A. Blinebry NCT-1 Well No. 1

Unit O Sec. 19 Twp. 22-S Rge. 38-E Purchaser Permian Basin Pipeline Co.

Casing 7" Wt. 23# I.D. 6.366 Set at 5673 Perf. 5580 To 5625

Tubing 2½" EUE Wt. 6.50# I.D. 2.441 Set at 6109 Perf. [illegible] To [illegible]

Gas Pay: From 5580 To 5625 L 5580 xG .715 GL [illegible] Bar.Press. 13.2

Producing Thru: Casing x Tubing [illegible] Type well G. G. Dual
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 5-5-1945 Packer 5646 Reservoir Temp. [illegible]

OBSERVED DATA

CO2 - 0.25% N2 - 2.09%
Tested Through (Prover) (Choke) (Meter)

Type Taps Pipe

No.	Flow Data (Prover) (Line) Size	Flow Data (Choke) (Orifice) Size	Flow Data Press. psig	Flow Data Diff. h_w	Flow Data Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI								1540.0		71 3/4
1.	4x	2.25	485.0	1.8	77			1336.6		24
2.	4x	2.25	498.2	10.5	74			1188.7		24
3.	4x	2.25	496.2	21.0	73			916.0		24
4.	4x	2.25	498.5	29.0	73			665.8		23 3/4
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	40.53	29.95	498.2	.9840	.9161	1.055	1,154
2.	40.53	73.28	511.4	.9868	.9161	1.058	2,841
3.	40.53	103.4	509.4	.9877	.9161	1.058	4,012
4.	40.53	121.8	511.7	.9877	.9161	1.058	4,726
5.							

PRESSURE CALCULATIONS

(1) 94,435
(2) 41,428
(3) 44,272
(4) 204,147

Gas Liquid Hydrocarbon Ratio [illegible] cf/bbl. Specific Gravity Separator Gas .715
Gravity of Liquid Hydrocarbons 53.8 deg. Specific Gravity Flowing Fluid [illegible]
F_c .865 $(1-e^{-s})$ (1) .248 (2) .259 P_c 1553.2 P_c^2 2412.4
(3) .257 (4) .244 (1).743 (3) .775
(2).779 (4) .728

No.	P_w P_t (psia)	P_t^2	F_g	F_{pv}	$(1-e^{-s})$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.	1349.8	1822.0	.9982	.9964	.2471	1822.2	590.2	1349.8	.87
2.	1201.9	1444.6	2.457	6.037	1.564	1446.2	966.2	1202.5	.77
3.	929.2	863.4	3.470	12.04	3.094	865.5	1545.9	930.9	.60
4.	679.0	461.0	4.088	16.71	4.277	465.1	1947.3	682.0	.44
5.									

Absolute Potential: 5,610 MCFPD; n .75

COMPANY The Texas Company
ADDRESS Box 1270, Midland, Texas
AGENT and TITLE L. A. Baker, District Superintendent
WITNESSED Wayne Brown
COMPANY Permian Basin Pipe Line Company

REMARKS

ELVIS A. UTZ
GAS ENGINEER

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia

P_w = Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

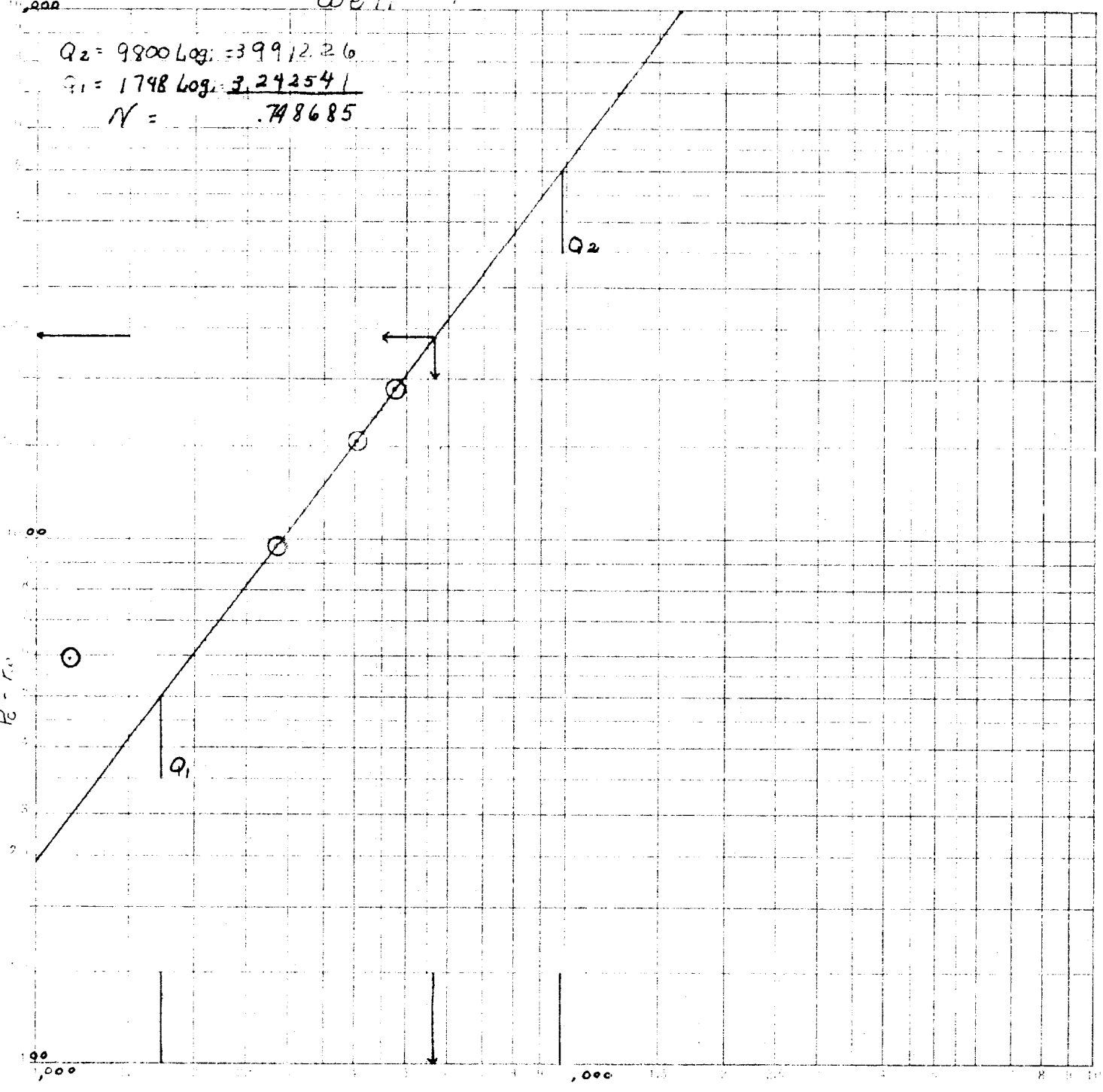
n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t.

The Texas Co

A. H. Blinebry Not-1

Well #1



Q = Mcf/Day

Q = 5,000