

JUL 28 1983

File

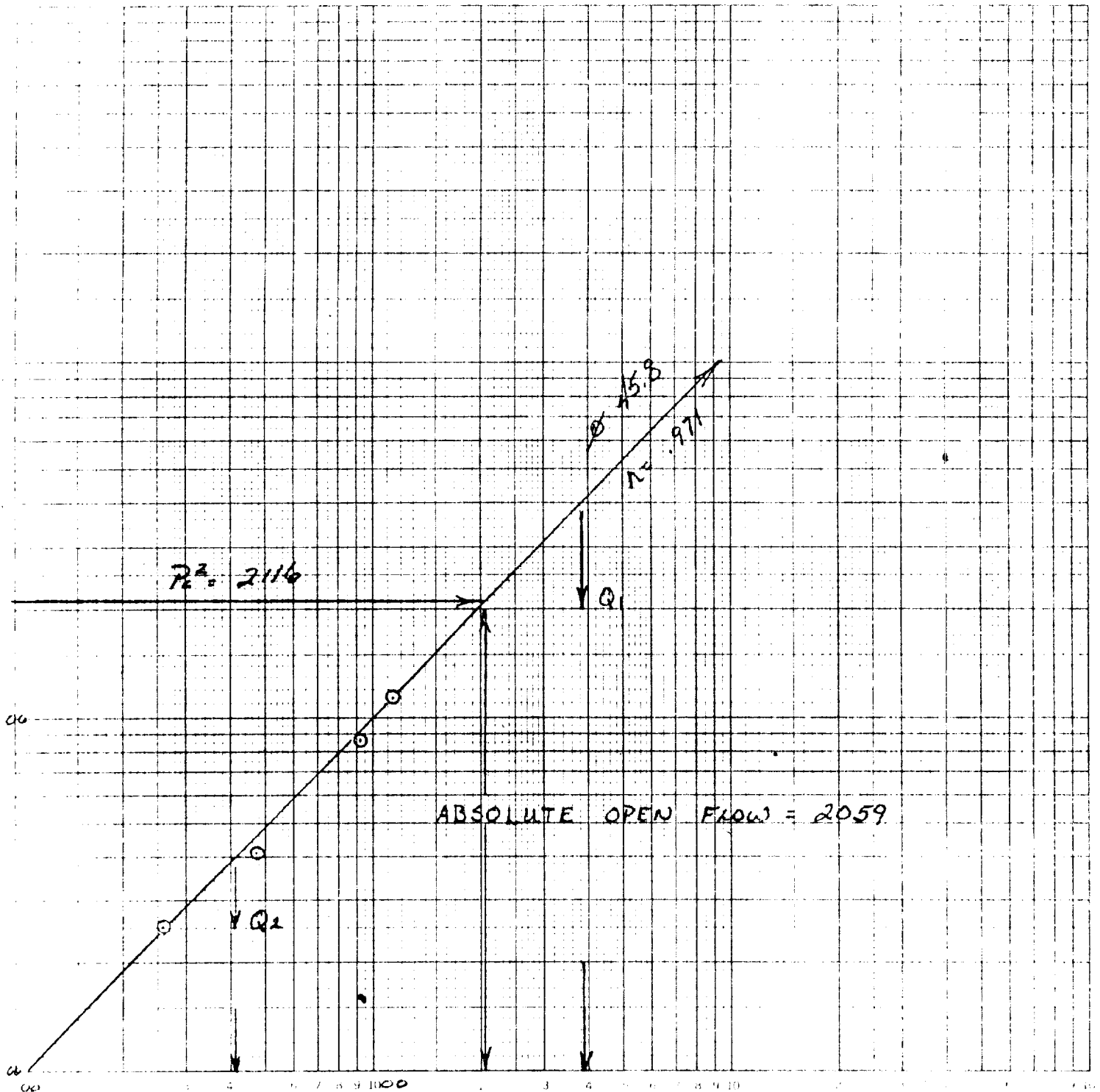
Type Test ☒ Initial 4 POINT ☐ Annual ☐ Special				Test Date 7-11-83		O. C. D. 1980 FNL				
Company WAYNE MOORE				Connection TO AIR		ARTESIA, OFFICE				
Pool Red Bluff - Delaware Gas				Formation DELAWARE		Unit 1980 FEL				
Completion Date 7-18-83		Total Depth 11,500		Plug Hole 3208		Elevation 3208				
Well No. 9.500		Well No. 32.3		Well No. 8.921		Well No. 3208				
Perforations: From 3028 To 3042		Perforations: From 0 To 0		Perforations: From 0 To 0		Perforations: From 0 To 0				
Type Well - Single - Inflow - G.O. or G.O. Multiple SINGLE		Packer Set At 2861		County EDDY		State NEW MEXICO				
Producing thru TUBING		Reservoir Temp. °F 102.0 3044		Mean Annual Temp. °F 60.0		Gaso. Press. - P _g 13.2				
L 3044		M 3044		G _g 0.646		% CO ₂ 0				
G _g 0.646		% CO ₂ 0		% H ₂ 3.61		% H ₂ S 0				
Prover 2.0		Meter Run 0		Taps 0		Taps 0				
FLOW DATA				TUBING DATA						
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	B.H.P. DATA	Duration of Flow
SI									CHOKE	
1	2.00 X 0.094			1358	0	85	1358	90	0	72.0
2	2.00 X 0.125			1300	0	78	1300	93	0	1.0
3	2.00 X 0.125			1108	0	78	1108	93	0	1.0
4	2.00 X 0.219			987	0	78	987	96	0	1.0
5										
RATE OF FLOW CALCULATIONS										
NO.	Coefficient (34 Now)	$\sqrt{P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mscf			
1	0.14	0	1371.2	0.9768	1.2442	1.1045	259.			
2	0.26	0	1313.2	0.9831	1.2442	1.1071	470.			
3	0.61	0	1121.2	0.9831	1.2442	1.0933	910.			
4	0.84	0	1000.2	0.9831	1.2442	1.0834	1110.			
5										
NO.	P ₁	Temp. °R	Q	Z	G _g : Liquid Hydrocarbon Ratio _____ 0					
1	2.07	545	1.50	0.820	A.P.I. Gravity of Liquid Hydrocarbons _____ 0					
2	1.98	538	1.48	0.816	Specific Gravity Separator Gas _____ 0.646					
3	1.69	538	1.48	0.837	Specific Gravity Flowing Fluid _____ XXXXXX					
4	1.51	538	1.48	0.852	Critical Pressure _____ 664 P.S.I.A.					
5					Critical Temperature _____ 363 P.S.I.A.					
1. 1454.8 P ₁ ² 2116										
NO.	P ₁ ²	P ₂ ²	R ₁ ²	R ₂ ² - R ₁ ²	(1) $\frac{P_1^2}{R_1^2 - R_2^2} = 1.8888$					
1	1880	1365	1865	252	(2) $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 1.8542$					
2	1724	1308	1710	407						
3	1257	1118	1249	867	AOF = 0 $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 2059.$					
4	1000	998	996	1120						
5										
Absolute Open Flow _____ 2059					Mscf @ 15.025			Angle of Slope @ _____ 45.8		Slope, n _____ 0.971
Remarks:										
Approved By Commission: _____ Conducted By: RICHARD TOWNLEY										
Calculated By: BENNETT & CATHEY										
Checked By:										

BACK PRESSURE CURV

Operator WAYNE MOORE Lease DELMORE RIVER Well No. 1
 County EDDY Field DELAWARE Location 10 26 S 28 E
 Date of Test 7-11-83 Slope "n" .971 Angle of Slope 45.8

Calc. Abs. Potential 2059 MCF/D

$(P_c - P_h)^2$ & $(P_c - P_w)^2$ in thousands



$$\Delta P_1^2: P_c^2 - P_w^2 = 4000$$

$$\Delta P_2^2: P_c^2 - P_w^2 = 400$$

$$Q_1 = 3835$$

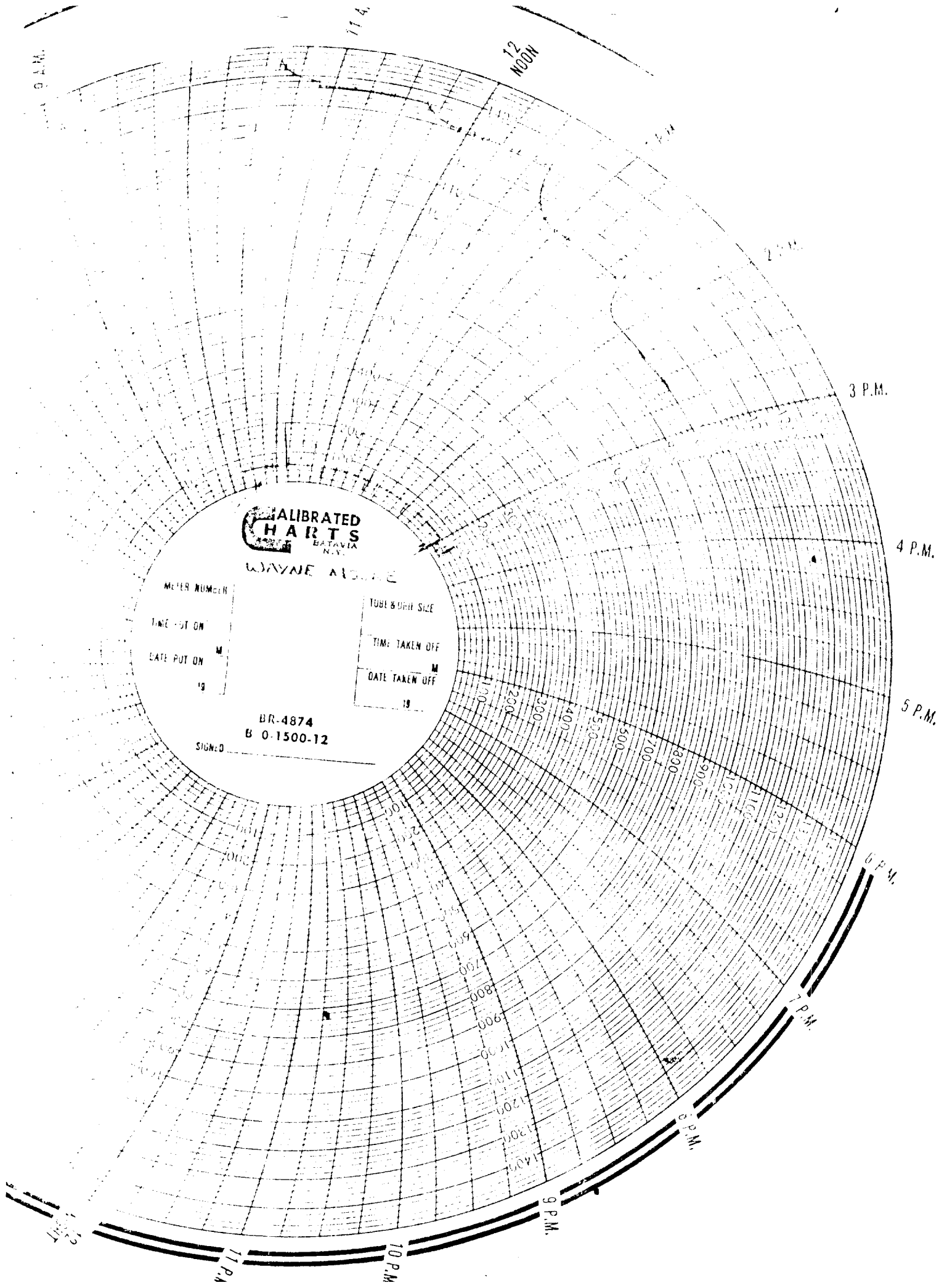
$$Q_2 = 410$$

Q in MCF/Day

$$\log Q_1 = 3.5838$$

$$\log Q_2 = 2.6128$$

$$n = .971$$



CALIBRATED
CHARTS
BATAVIA
N.Y.

WAYNE ALICE

METER NUMBER

TIME PUT ON

DATE PUT ON

19

SIGNED

BR-4874
B 0 1500-12

TUBE & GAGE SIZE

TIME TAKEN OFF

DATE TAKEN OFF

19