NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-24-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation: Tubb			Unit: BDCDGU
Completion Date: 1-4-85	Total Depth: 2922'		Plug Back TD: 2834'	Elevation: 4750	Farm or Lease Name:
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2927'			Perforations: From 2532' To 2560'		Well No.: 1834 211G
Tbg. Size: 3-1/2" / Wt.: 9.3# / d: / Set At: 2396'			Perforations: From To		Unit: G / Sec.: 21 / Twp.: 18 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 2365'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F @ 2546'	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2546'	2546'	1.529	100	0	0		4.0"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					360				
1.	4.026 x 1.75	223	35	57	235.2	50			24 hrs
2.	4.026 x 1.75	234	29	57	246.2	50			24 hrs
3.	4.026 x 1.75	263	17	57	275.2	50			24 hrs
4.	4.026 x 1.75	288	9	58	300.2	50			24 hrs
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2.							1123
3.							1054
4.							857
5.							649

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio: 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 0 Deg.
Specific Gravity Separator Gas: 1.529 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 1072 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 547 R ____ R

P_c 372.2 P_c^2 138.533

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		235.2		83.214
2		246.2		77.918
3		275.2		62.798
4		300.2		48.413
5				

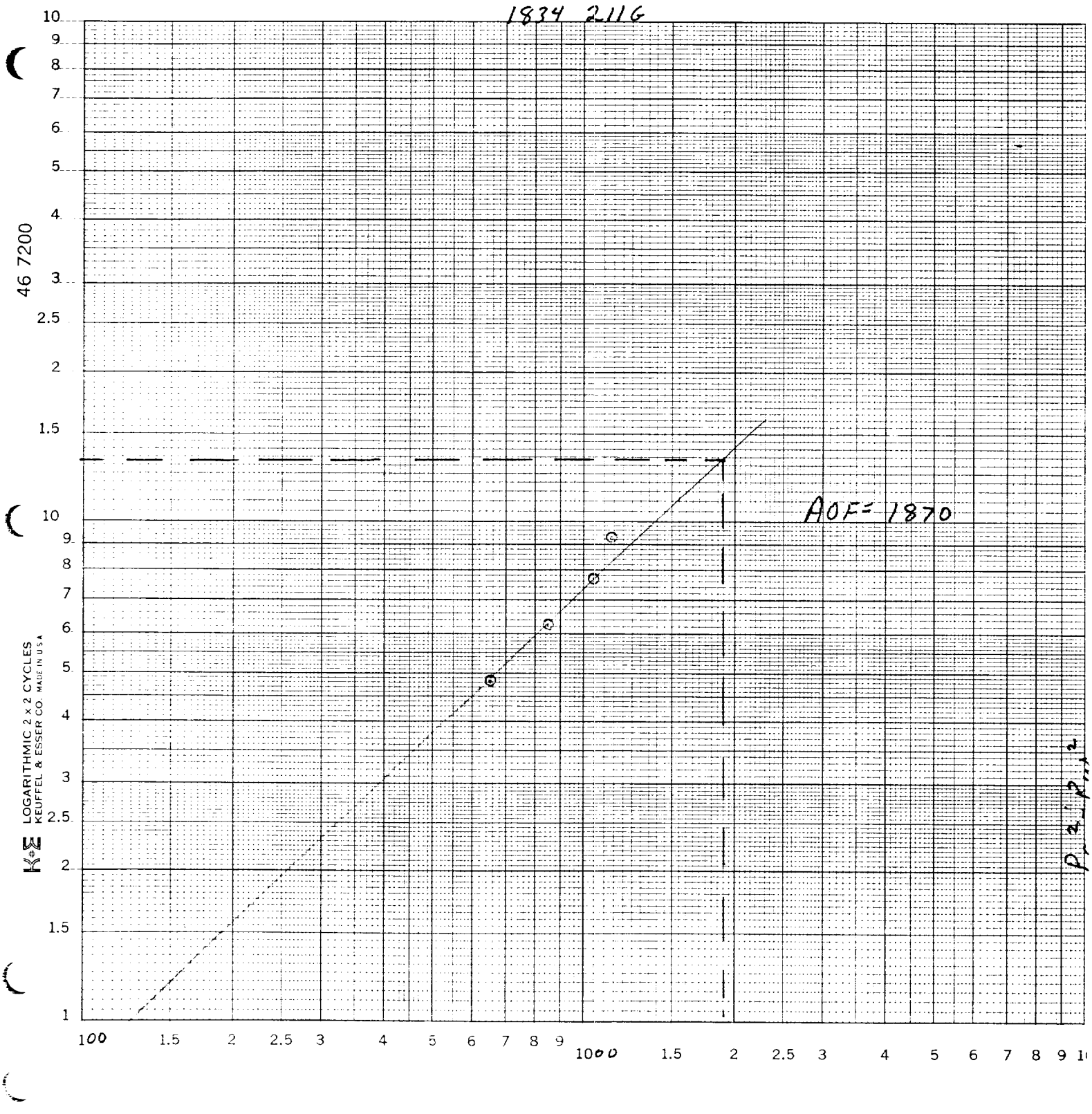
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.66$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.66$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1870$

Absolute Open Flow: 1870 Mcfd @ 15.025 | Angle of Slope θ: | Slope, n: 1.0

Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:


1834 211G
46 7200
AOF= 1870
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
Q = MCF