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: 8-5-85

Company: Amoco Production Company	Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area	Formation: Tubb		Unit: BDCDGU
Completion Date: 12-19-83	Total Depth: 2962	Plug Back TD: 2918	Elevation: 4790
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2962	Perforations: From 2520 To 2600		Farm or Lease Name:
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2478	Perforations: From To		Well No.: 1834 151G
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2447		Unit: G / Sec.: 15 / Twp.: 18 / Rge.: 34
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2560	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2
			County: Union
			State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2560	2560	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					320				
1.	4.026 x 2.125	203	26	60	203	50			24 hr
2.	4.026 x 2.125	218	20	60	218	50			24 hr
3.	4.026 x 2.125	239	14	60	239	50			24 hr
4.	4.026 x 2.125	257	9	60	257	50			24 hr
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.							1454
3.							1349
4.							1177
5.							1013

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

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 332.2 P_c^2 110.357

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		215.2		64.045
2		230.2		57.365
3		251.2		47.255
4		269.2		37.888
5				

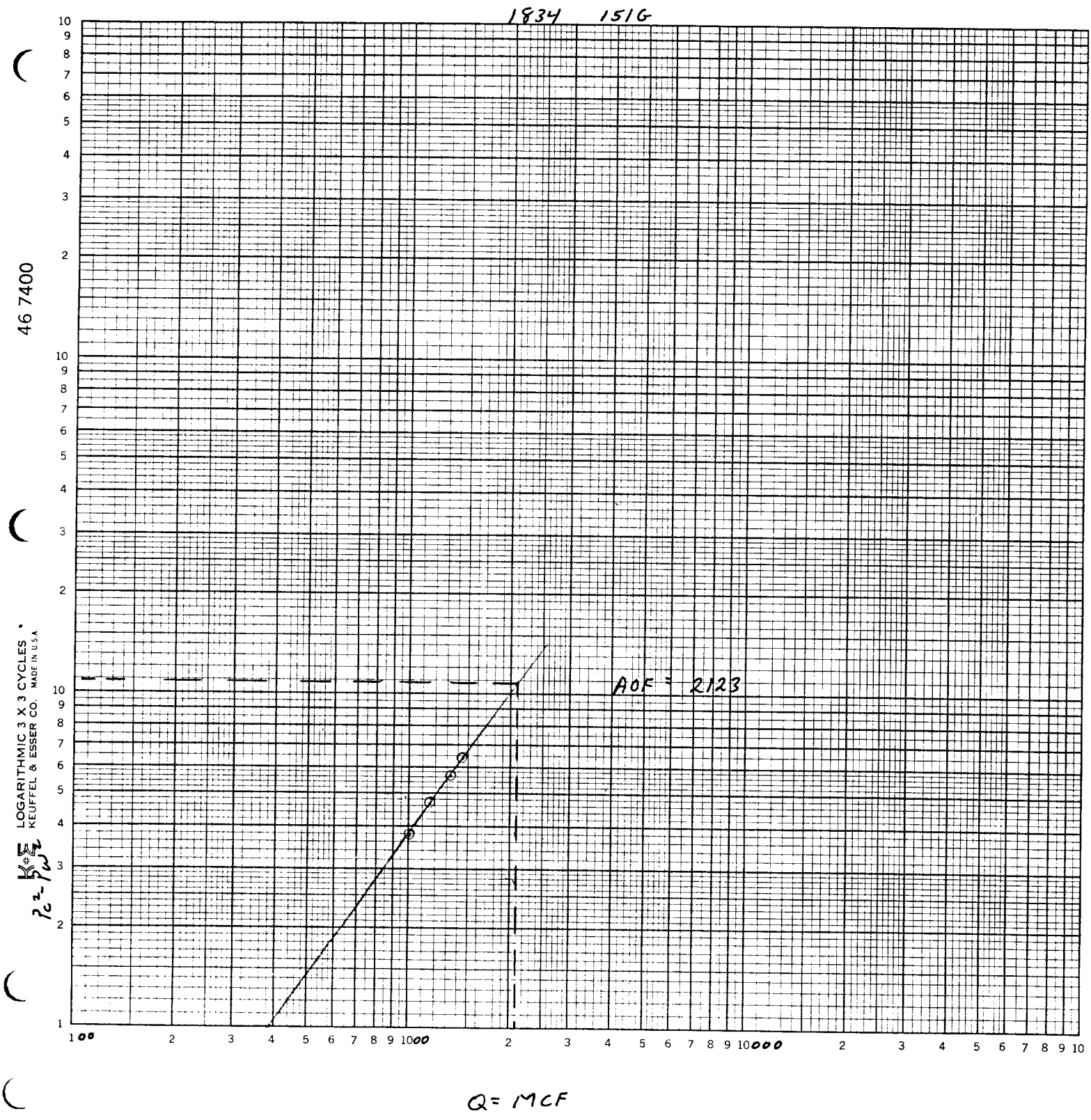
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.46$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2123$

Absolute Open Flow 2123 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .69

Remarks: _____

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


1834 1516
AOF = 2123
Q = MCF
LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7400