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: 4-28-81	Total Depth: 2723'	Plug Back TD: 2670'	Elevation: 4505'
Farm or Lease Name:			
Csg. Size: 5-1/2" / Wt.: 14# / d: / Set At: 2718'	Perforations: From 2164 To 2187		Well No.: 1834 131G
Tbg. Size: 2-3/8" / Wt.: 4.7# / d: / Set At: 2163'	Perforations: From To		Unit: J / Sec.: 13 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2101'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 97°@ 2176'	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
2176'	2176'	1.529	100	0	0		4.0	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	TUBING DATA: Temp. °F	CASING DATA: Press. p.s.i.g.	CASING DATA: Temp. °F	Duration of Flow
SI					356				
1.	4.026 x 2.625	205	40	57	217.2	50			24 hrs
2.	4.026 x 2.625	218	33	58	230.2	50			24 hrs
3.	4.026 x 2.625	248	20	59	260.2	50			24 hrs
4.	4.026 x 2.625	271	14	60	283.2	59			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							2845
2							2658
3							2261
4							1957
5							

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 368.2 P_c^2 135.571

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		217.2		88.395
2		230.2		82.579
3		260.2		67.867
4		283.2		55.369
5				

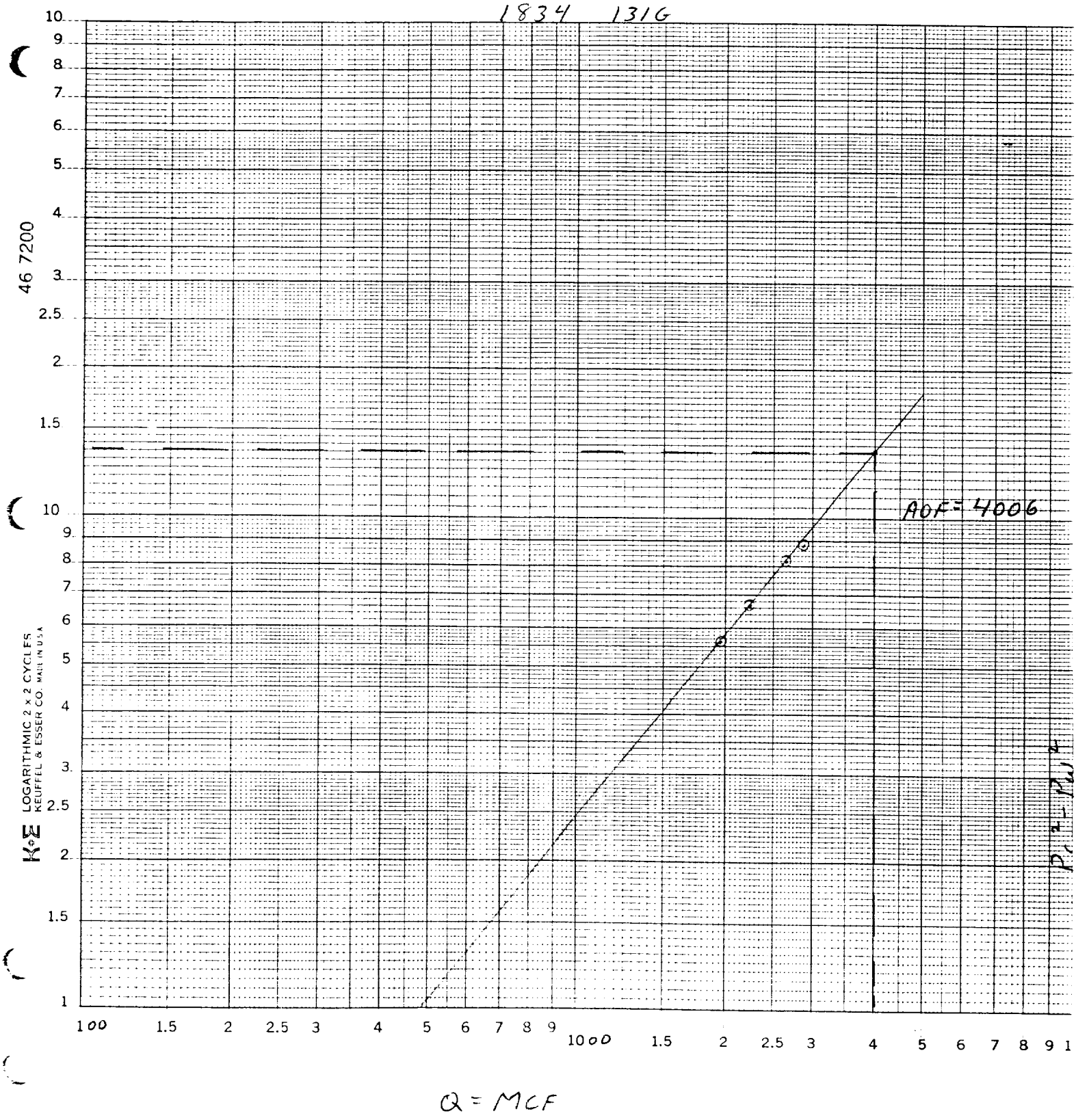
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.53$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.40$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4006$

Absolute Open Flow 4006 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .80

Remarks:

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


1834 1316
AOF = 4006
$P_c^2 - P_w^2$
Q = MCF
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7200