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: 6/5/85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 1/10/84	Total Depth: 2748'		Plug Back TD: 2648'	Elevation: 4635 GL	Farm or Lease Name:
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2748'			Perforations: From 2121' To 2239'		Well No.: 1835 081C
Tbg. Size: 3-1/2" / Wt.: 9.3# / d: / Set At: 2069'			Perforations: From To		Unit: C / Sec.: 8 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 2031'		County: UNION
Producing Thru: Tubing	Reservoir Temp. °F @ 2180'	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
2180'	2180'	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.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					302				
1.	4.026 x 2.00	224	21	62	236.2	50			24 hrs
2.	4.026 x 2.00	241	12	60	253.2	"			24 hrs
3.	4.026 x 2.00	266	6	60	274.2	"			24 hrs
4.	4.026 x 2.00	291	2	60	303.2	"			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							1133
2							904
3							665
4							406
5							

NO.	P_r	Temp. °R	T_r	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 314.2 P_c^2 98.722

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		236.2		42.931
2		253.2		34.611
3		274.2		23.536
4		303.2		6.791
5				

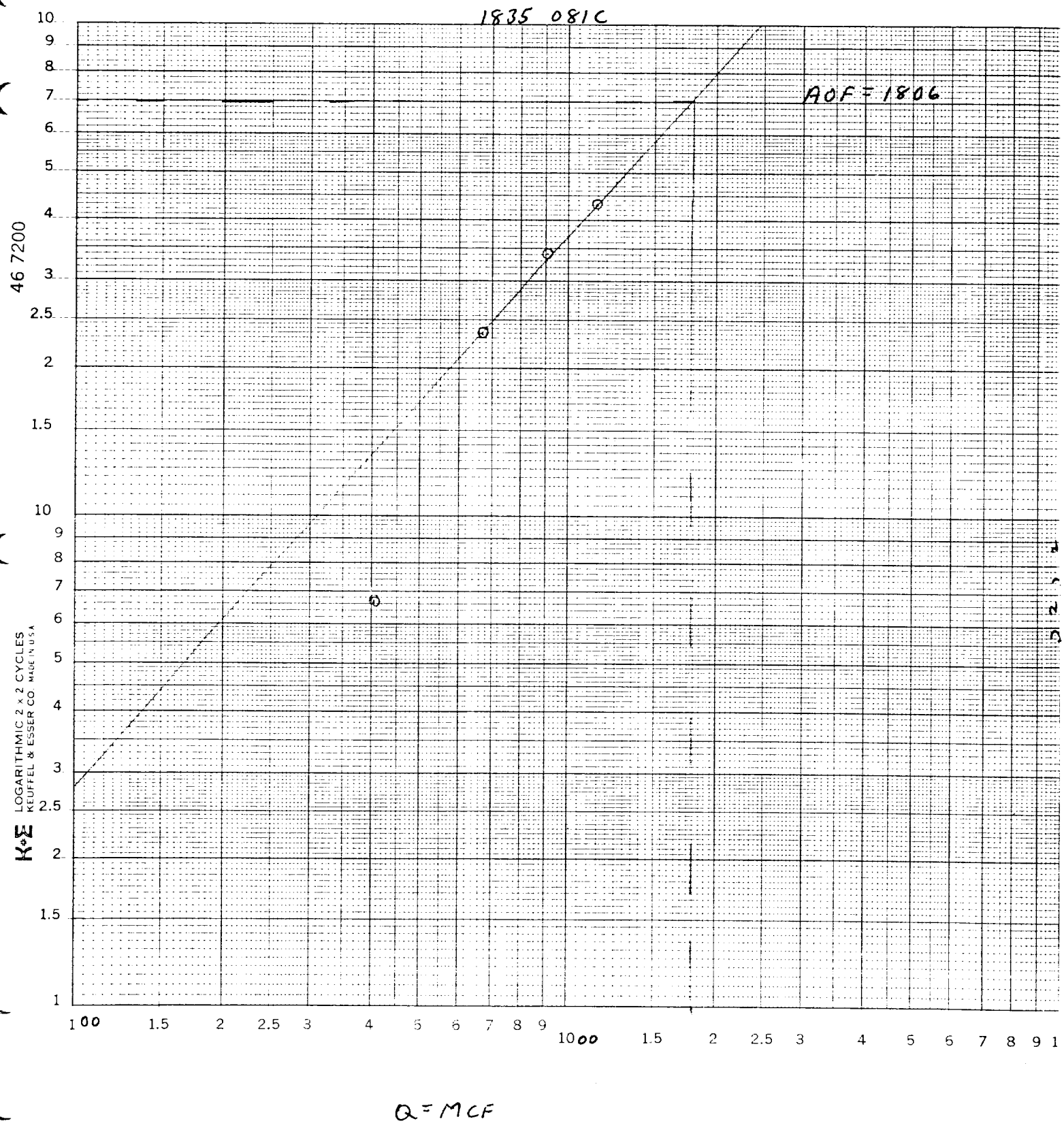
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.594$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1806$

Absolute Open Flow 1806 Mcfd @ 15.025 Angle of Slope θ Slope, n .56

Remarks:

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


1835 081C
AOF = 1806
46 7200
KE
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
Q = MCF