NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 9-17-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 10-10-84		Total Depth: 2658		Plug Back TD: 2572 -	Elevation: 4495
Farm or Lease Name:					
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2650				Perforations: From 2076 To 2184	Well No.: 1835 111 G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 1957				Perforations: From To	Unit: G / Sec.: 11 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single				Packer Set At: 1927	County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2130	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
2130	2130	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					312				
1.	4.026 x 1.750	240	43	60	240	50			24 hr.
2.	" "	265	17	60	265	50			"
3.	" "	283	8	59	283	50			"
4.	" "	309	1	56	309	50			"
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							1278
2.							947
3.							511
4.							10
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 324.2 P_c^2 105.106

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		252.2		41.500
2		277.2		28.266
3		295.2		19.725
4		321.2		1.936
5				

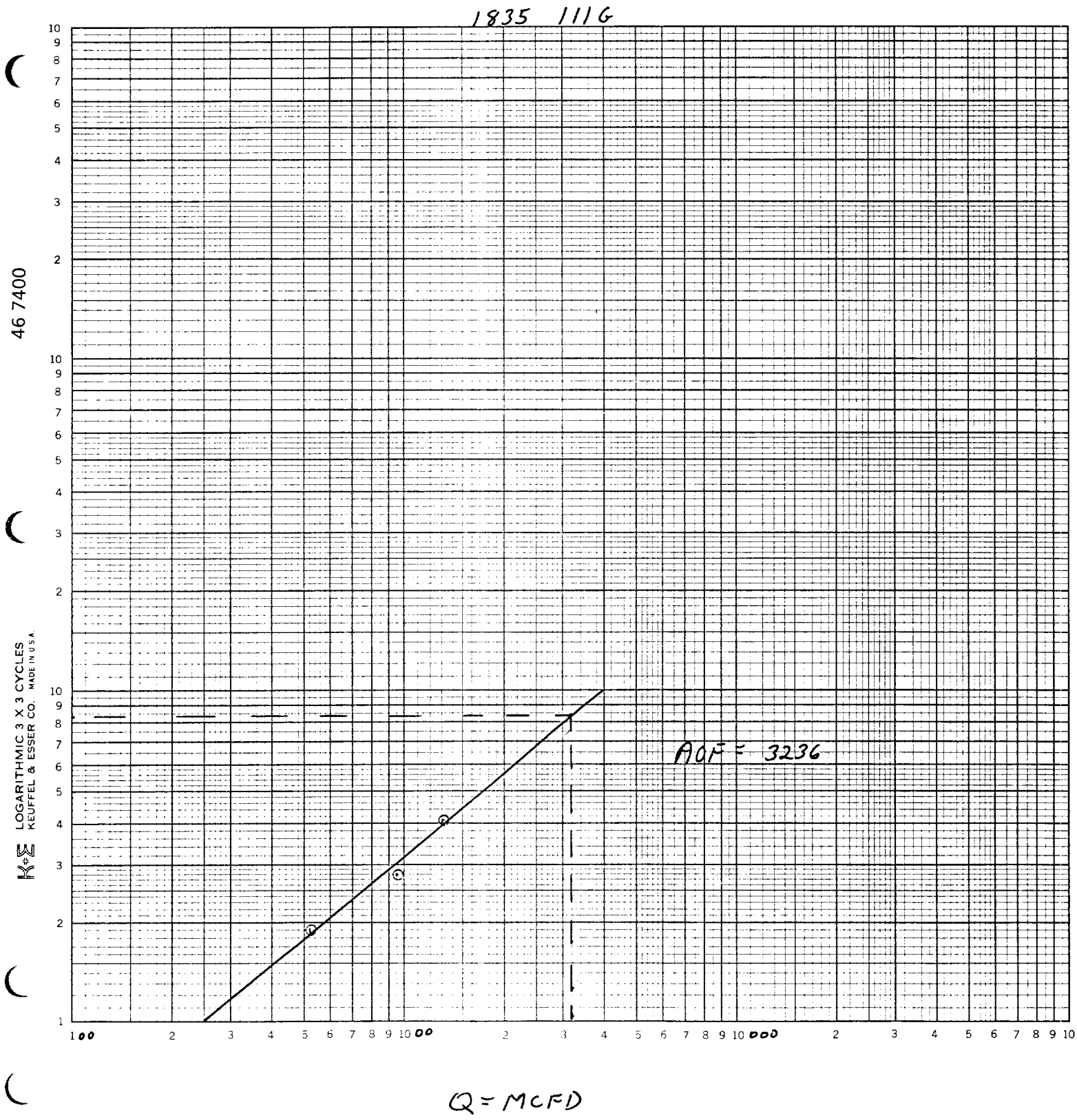
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.53$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.53$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3236$

Absolute Open Flow 3236 Mcfd @ 15.025 Angle of Slope θ Slope, n 1.00

Remarks:

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


1835 1116
46 7400
LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
AOF = 3236
Q = MCFD