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: 11-30-85	Total Depth: 2740'	Plug Back TD: 2616'	Elevation: 4551" GL
Farm or Lease Name:			
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2740'	Perforations: From 2153' To 2254'		Well No.: 1834 141G
Tbg. Size: 2-7/8" / Wt.: 6.5 / d: / Set At: 2358'	Perforations: From To		Unit: G / Sec.: 14 / Twp.: 18 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2327'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 96° @ 2204'	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
2204'	2204'	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					329				
1.	4.026 x 2.25	200	38	53	212.2	50			24 hrs
2.	4.026 x 2.25	215	33	54	227.2	50			24 hrs
3.	4.026 x 2.25	247	22	56	259.2	50			24 hrs
4.	4.026 x 2.25	273	15	57	285.2	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							1956
2							1886
3							1648
4							1433
5							

NO.	P_t	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 341.2 P_c^2 116.417

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		212.2		71.389
2		227.2		64.798
3		259.2		49.232
4		285.2		35.078
5				

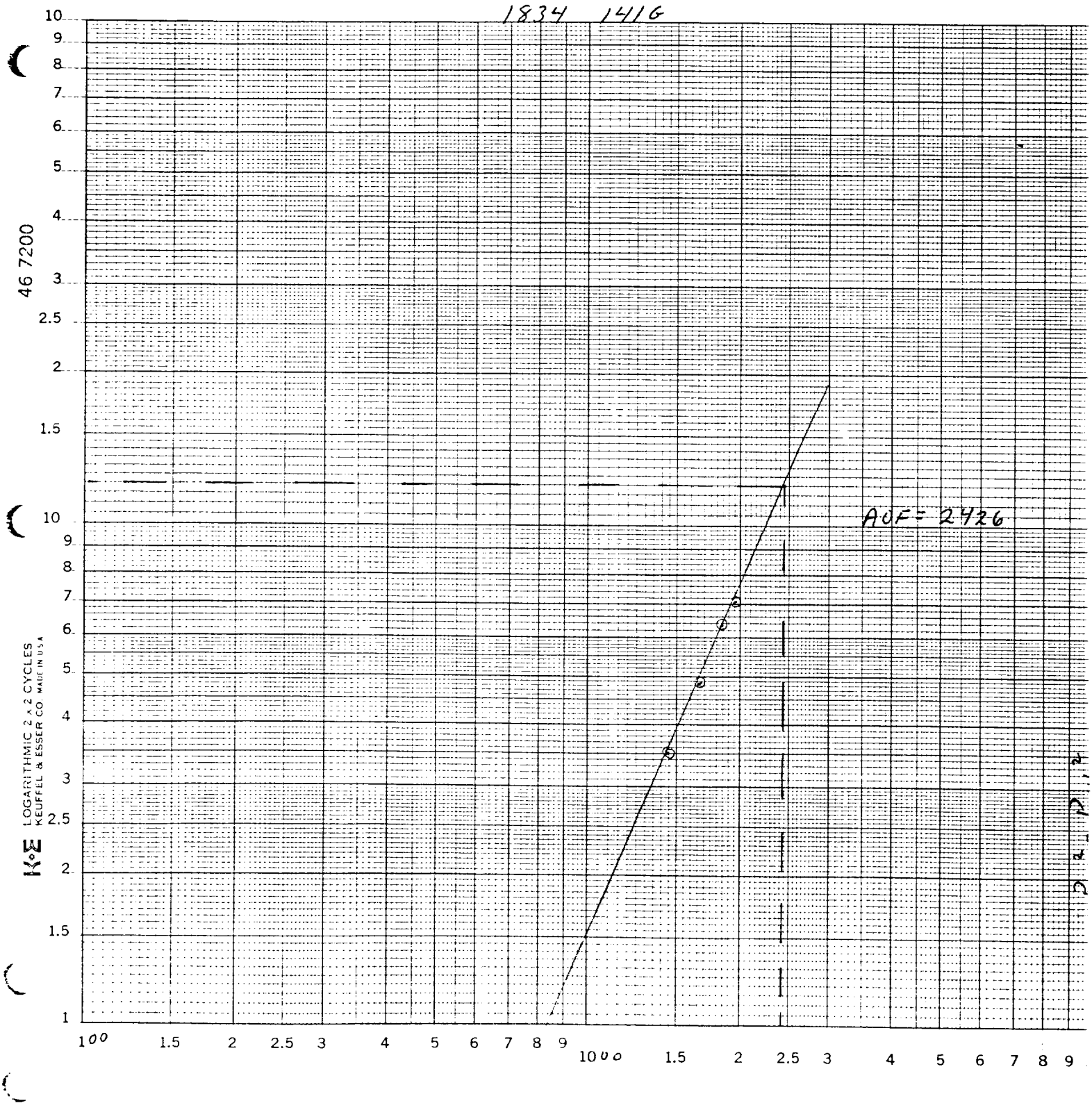
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.63$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.24$

AOF = C $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2426$

Absolute Open Flow 2426 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .44

Remarks:

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


1834 1416
46 7200
KE LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
AOF = 2426
Q = MCF