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: 5-15-83	
Company: Amoco Production Company		Connection			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation: Tubb			Unit: BDCDGU
Completion Date: 8-22-84	Total Depth: 2837'	Plug Back TD: 2770'	Elevation: 4714' GL		Farm or Lease Name:
Csg. Size: 7" / Wt.: 20# / d: / Set At: 2840'		Perforations: From 2486' To 2540'			Well No.: 1834 281G
Tbg. Size: 3-1/2" / Wt.: 9.4# / d: / Set At: 2336'		Perforations: From To			Unit: G / Sec.: 28 / Twp.: 18 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2336'			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 92° 2513'	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
2513'	2513'	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					350				
1.	4.026 x 1.875	214	50	60	226.2	50			24 hrs
2.	4.026 x 1.875	242	30	60	254.2	50			24 hrs
3.	4.026 x 1.875	260	21	60	272.2	50			24 hrs
4.	4.026 x 1.875	296	9	60	308.2	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							1554
2.							1275
3.							1116
4.							770
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 362.2 P_c^2 131.189

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		226.2		80.022
2		254.2		66.571
3		272.2		57.096
4		308.2		36.202
5				

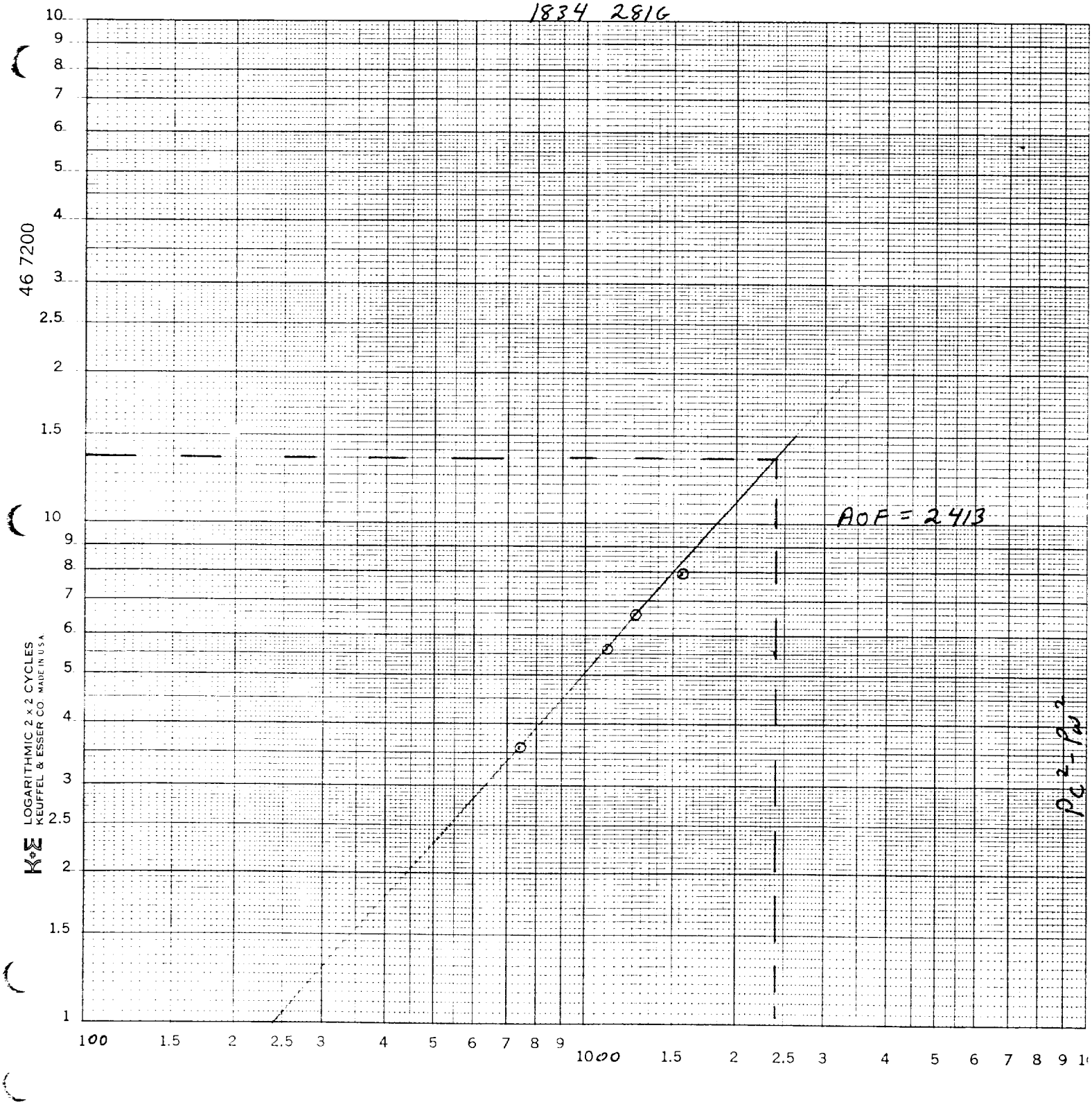
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.64$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.55$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2413$

Absolute Open Flow 2413 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .89

Remarks:

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


1834 2816
46 7200
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
AOF = 2413
$p_c^2 - p_w^2$
Q = MCF