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: 9-24-85	
Company: Amoco Production Company		Connection			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 11-30-83	Total Depth: 2909	Plug Back TD: 2773 -	Elevation: 4660		Farm or Lease Name
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2900		Perforations: From 2439 To 2481			Well No.: 1834 251 G
Tbg. Size: 3-1/2 / Wt.: 9.3 / d: / Set At: 2296		Perforations: From To			Unit: G / Sec.: 25 / Twp.: 18 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2265			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2460	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
2460	2460	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					325				
1.	4.026 x 2.125	225	41	58	225	50			24 hrs.
2.	" "	250	25	59	250	"			"
3.	" "	279	13	60	279	"			"
4.	" "	311	1	55	311	"			"
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							1859
2.							1599
3.							1260
4.							346
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 337.2 P_c^2 113.703

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		237.2		57.440
2		262.2		44.955
3		291.2		28.906
4		323.2		9.245
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.98$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.87$

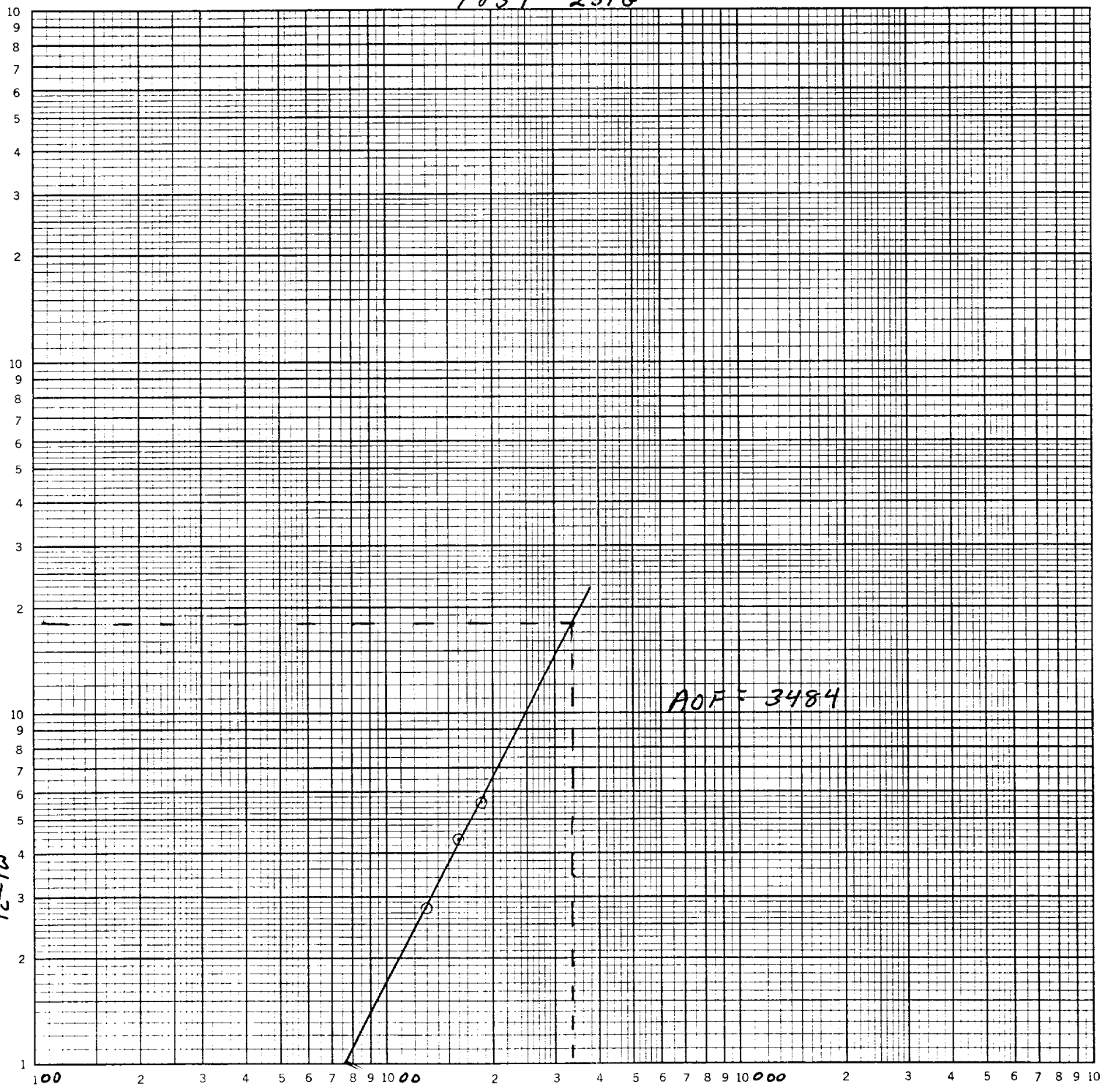
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3484$

Absolute Open Flow 3484 Mcfd @ 15.025 Angle of Slope θ Slope, n .92

Remarks:

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

1834 2516


AOF = 3484
Q = MCFD
LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7400