

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-12-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation Tubb	
Completion Date 9-9-81		Total Depth 2983	Plug Back TD 2660
Elevation 4821		Farm or Lease Name	
Csg. Size 5.5	Wt. 14	Set At 2983	Perforations: From 2556 To 2636
Thg. Size 2-7/8	Wt. 6.5	Set At 2390	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2360	Well No. 1834 101G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2596	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.2		County Union	
State New Mexico		Unit Sec. Twp. Rge. G 10 18 34	
L 2596	H 2596	G _g 1.529	% CO ₂ 100
% N ₂ 0		% H ₂ S 0	Prover Meter Run 4.0
Taps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							330			
1.	4.026 x 2.5			194	28	58	194	50		
2.	4.026 x 2.5			212	21	57	212	50		24 hr
3.	4.026 x 2.5			236	15	58	236	50		24 hr
4.	4.026 x 2.5			259	9	59	259	50		24 hr
5.										24 hr

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							2154
2							1950
3							1739
4							1438
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	X X X X X X X X	1072	547
2										
3										
4										
5										

P _c 342.2 P _c ² 117,100		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.57$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.40$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		206.2		74,582	
2		224.2		66,835	
3		248.2		55,498	
4		271.2		43,55	
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3021$

Absolute Open Flow	3021	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	------	---------------	------------------	--------------

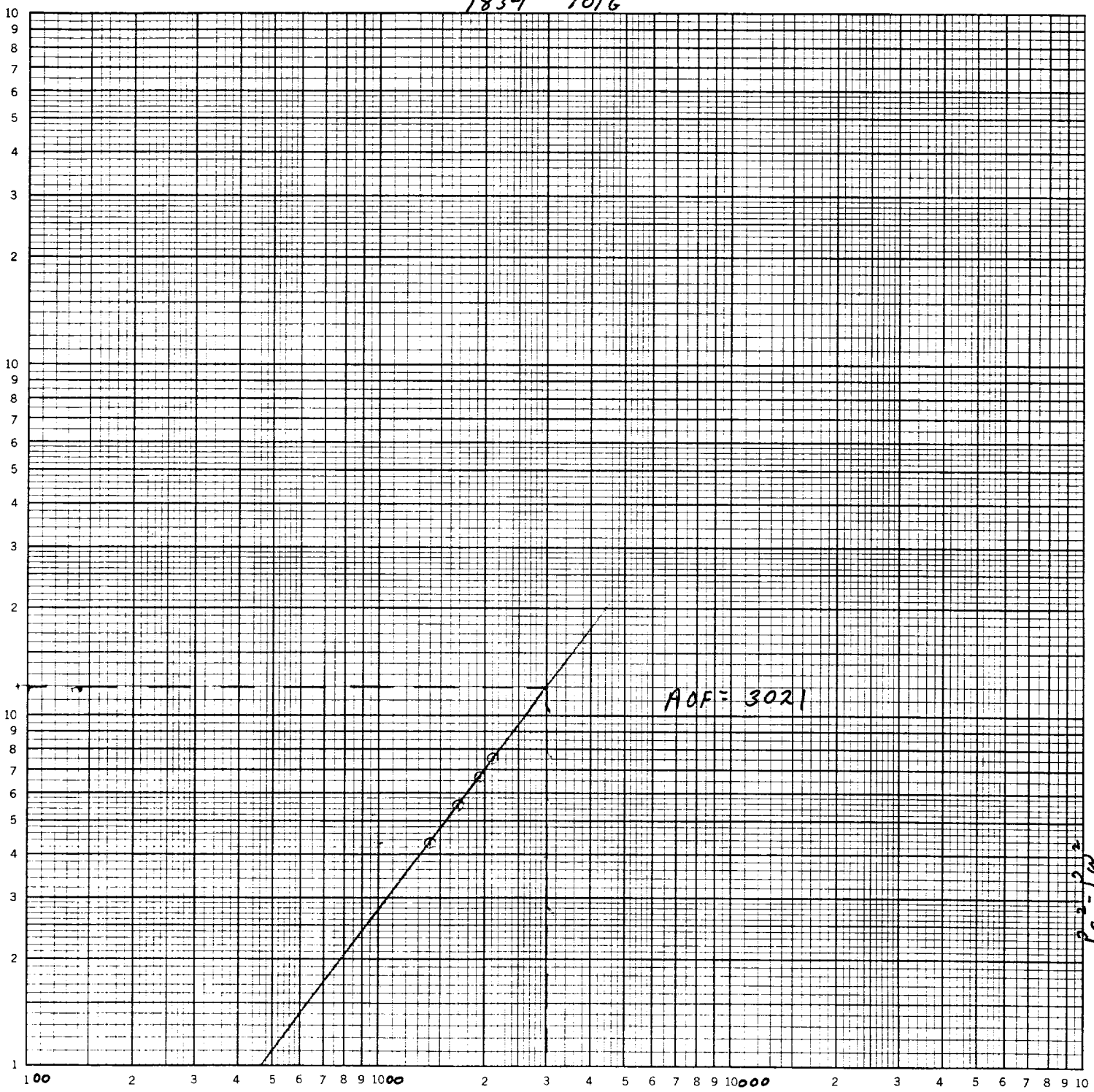
Remarks:

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

1834 1016

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



$Q = MCF$

9.5-10.2