

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 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
Csq. 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 Sec. Twp. Rge. G 25 18 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 2460	H 2460	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. h _w '	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI						325			
1.	4.026 x 2.125		225	41	58	225	50		
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 _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.
2.					Specific Gravity Separator Gas 1.529 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 1072 P.S.I.A. P.S.I.A.
5.					Critical Temperature 547 R R

P _c 337.2	P _w 113.703	
NO.	P _t 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:		

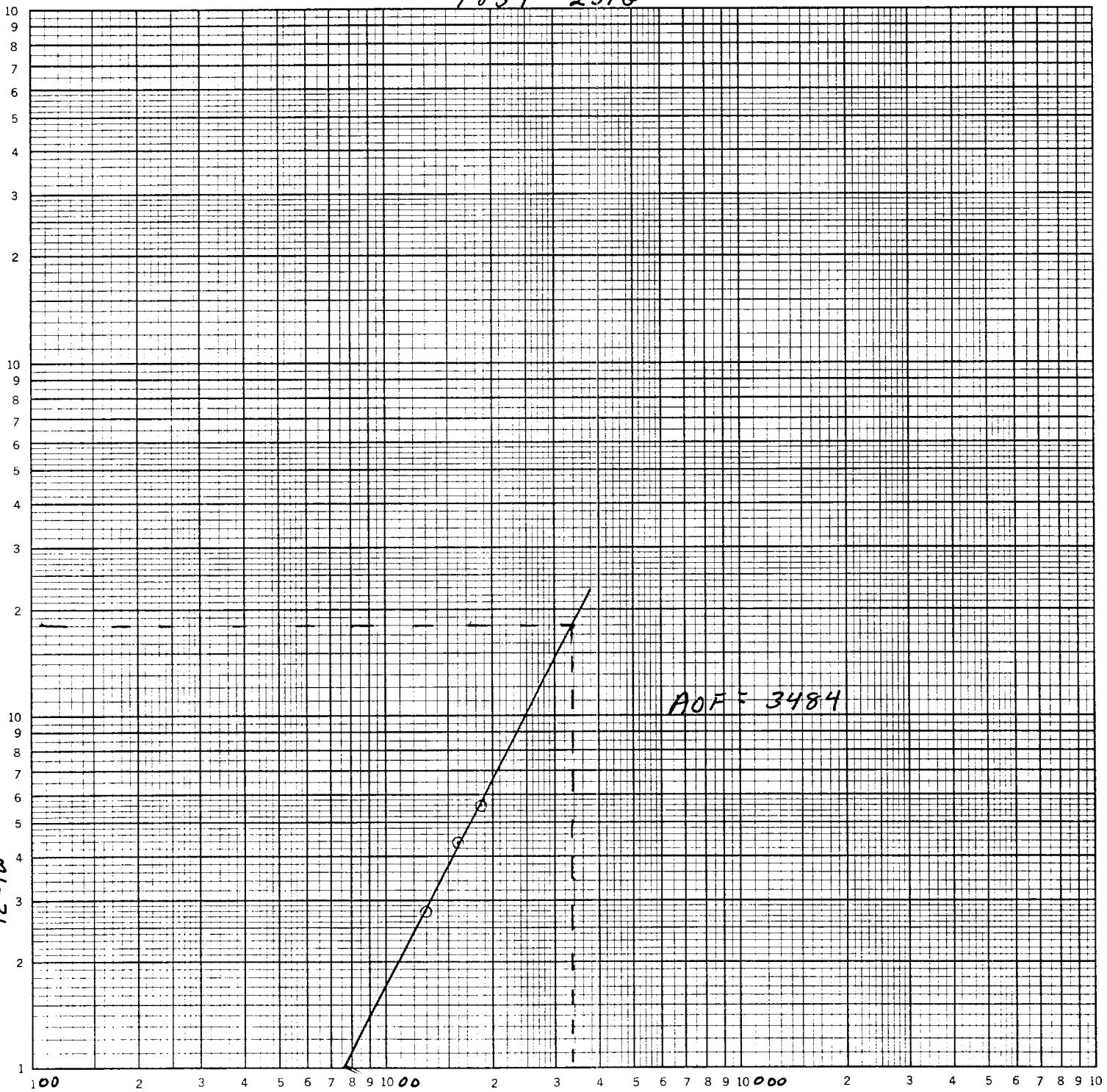
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1834 2516

46 7400

KE LOGARITHMIC 3 X 3 CYCLES
KUFFEL & ESSER CO. MADE IN U.S.A.
32-72



AOF = 3484

Q = MCFD