

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 4-29-85	
Company Amoco Production Company				Connection	
Pool Carbon Dioxide Gas Bravo Dome Unit 140-Are Area				Formation Tubb	
Completion Date 2/13/81		Total Depth 2636		Plug Back TD 2591	
Elevation GL 4932		Farm or Lease Name			
Csg. Size 5.5	Wt. 14	d	Set At 2637	Perforations: From 2290 To 2528	
Tbg. Size 2-7/8	Wt. 6.5	d	Set At 2140	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2109'	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2409		Mean Annual Temp. °F 50	
Baro. Press. - P _g 12.2		State New Mexico			
L 2409	H 2409	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.		Temp. °F
1.	4.026 x 2.125			212	29	55	224.2	50			24 hr
2.	4.026 x 2.125			230	22	56	242.2	50			24 hr
3.	4.026 x 2.125			253	15	58	265.2	50			24 hr
4.	4.026 x 2.125			280	7	59	292.2	50			24 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mc/d
1.							1484
2.							1410
3.							1200
4.							889
5.							

NO.	P _f	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.										

$P_c = 331.2$ $P_c^2 = 109.7$				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.846$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.418$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²			
1.		224.2		59.439			
2.		242.2		51.042			
3.		265.2		39.369			
4.		292.2		24.317			
5.							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2090$

Absolute Open Flow 2090 Mc/d @ 15.025

Angle of Slope ϕ _____ Slope, n .57

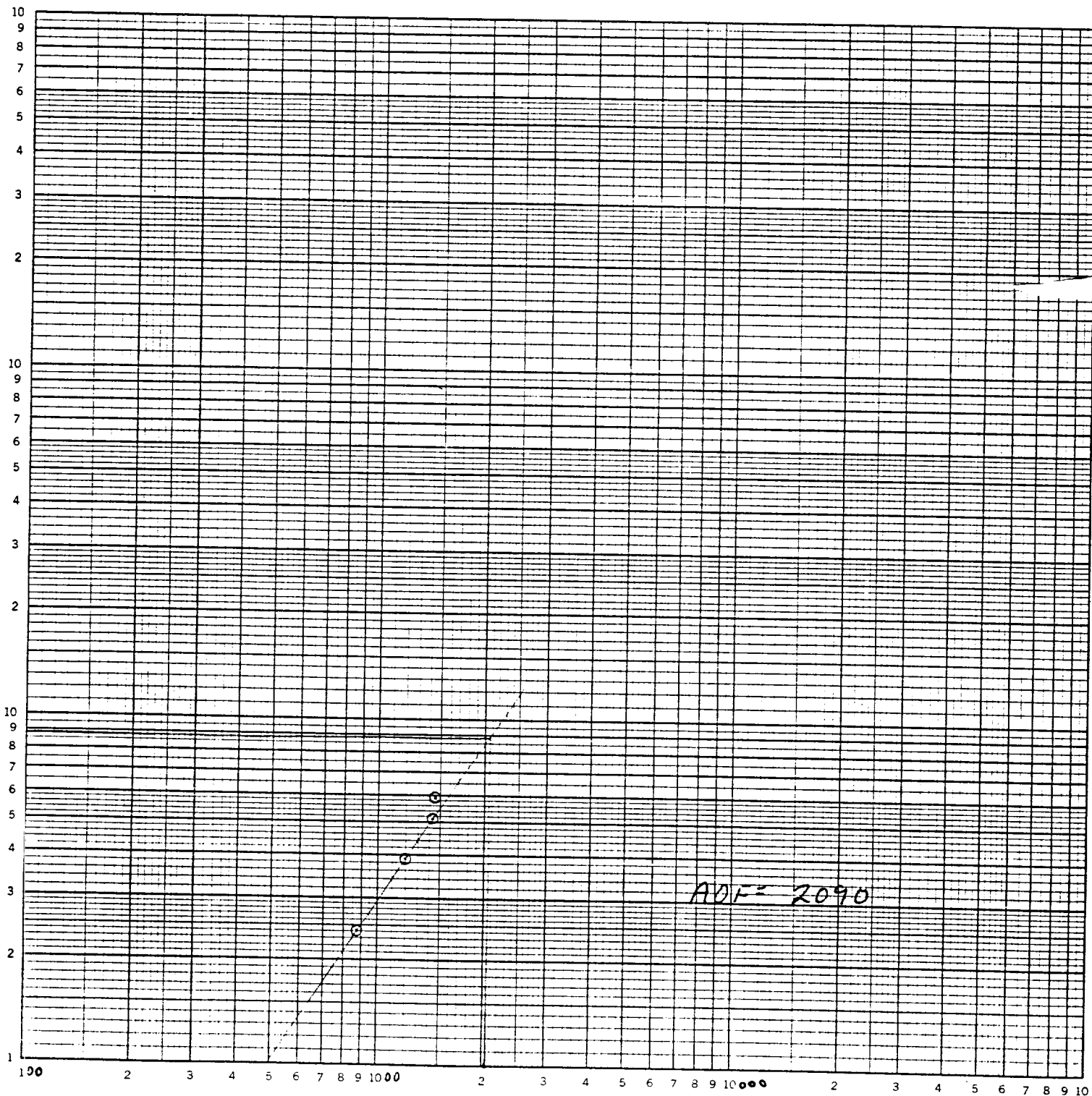
Remarks: _____

Approved by Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1934 1815

46 7400

$P_c \sim f \omega$
 $K \sim \Sigma$
 LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$$Q = MCF$$