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: 8-27-85					
Company: Amoco Production Company				Connection:							
Pool: Bravo Dome Carbon Dioxide Gas Unit 630 Acre Area				Formation: Tubb						Unit: BDCDGU	
Completion Date: 11-22-74		Total Depth: 2590		Plug Back TD: 2590		Elevation: 4591				Farm or Lease Name:	
Csg. Size: 4-1/2	Wt.: 9.5	d:	Set At: 2584	Perforations: From 2273 To 2293						Well No.: 1835 101 K	
Tbg. Size: 2-3/8	Wt.: 4.7	d:	Set At:	Perforations: From To						Unit: K Sec.: 10 Twp.: 18 Rge.: 35	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single				Packer Set At: 2053						County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2283		Mean Annual Temp. °F: 50		Baro. Press. – P_a: 12.2				State: New Mexico	
L: 2283	H: 2283	Gg: 1.529	% CO_2: 100	% N_2: 0	% H_2S: 0	Prover:		Meter Run: 4.0		Taps: 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					359				
1.	4.026 x 2.25	217	33	58	217	50			24 hr.
2.	" "	241	24	61	241	"			"
3.	" "	262	17	63	262	"			"
4.	" "	286	10	65	286	"			"
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							1870
2.							1713
3.							1515
4.							1257
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 371.2 P_c^2 137.789

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		229.2		85.257
2		253.2		73.679
3		274.2		62.604
4		298.2		48.866
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.62$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.41$

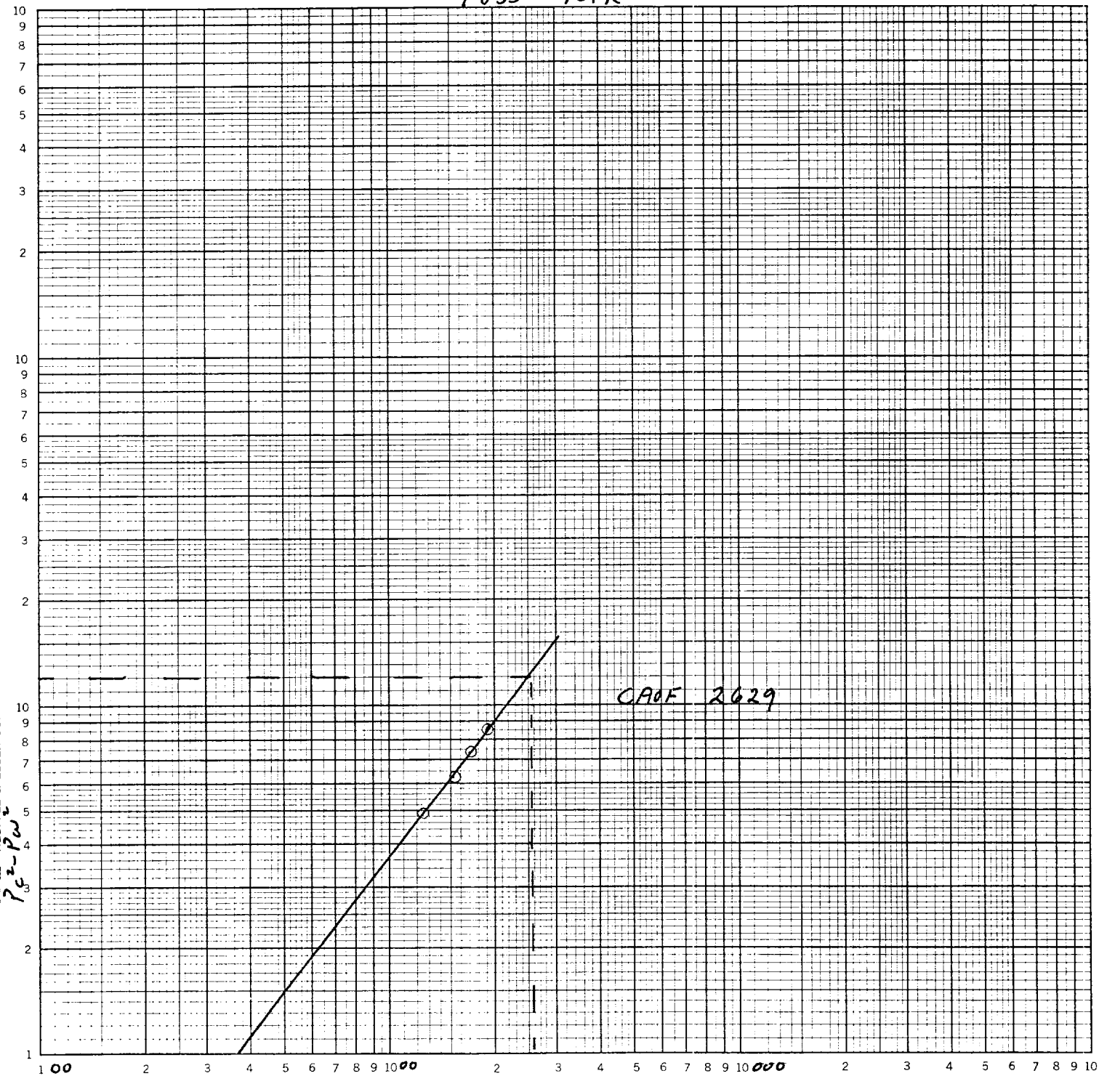
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2629$

Absolute Open Flow 2629 Mcfd @ 15.025 Angle of Slope θ Slope, n .71

Remarks:

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

1835 101K


46 7400
KE LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
$P_c^2 - P_w^2$
CAOF 2629
Q = MCFD