

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 6-4-85	
Company Amoco Production Company				Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area				Formation Tubb	
Completion Date 1-16-84		Total Depth 2721'		Plug Back TD 2585'	
				Elevation 4638 G.L.	
Csg. Size 7"	Wt. 20#	d	Set At 2721'	Perforations: From 2104' To 2262'	
Tbg. Size 3 1/2"	Wt. 9.3#	d	Set At 2061'	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 2031'	
Producing Thru Tubing		Reservoir Temp. °F 2183'		Mean Annual Temp. °F 50	
				Baro. Press. - P _a 12.2	
L 2183'		H 2183'		State New Mexico	
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	2.5	240	32	59	344	252.2	50		24 hr
2.	"	"	"	262	20	59		274.2	"		24 hr
3.	"	"	"	282	12	59		294.2	"		24 hr
4.	"	"	"	307	6	59		319.2	"		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, Mcfd
1.							2338
2.							1928
3.							1555
4.							1056
5.							

NO.	P _r	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 1.529
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ 1072 P.S.I.A.
5.					Critical Temperature _____ 547 °R

P _r 356.2	P _w 126.878		
NO.	P _r ²	P _w ²	P _r ² - P _w ²
1.	252.2	63.273	
2.	274.2	51.693	
3.	294.2	40.325	
4.	319.2	24.990	
5.			

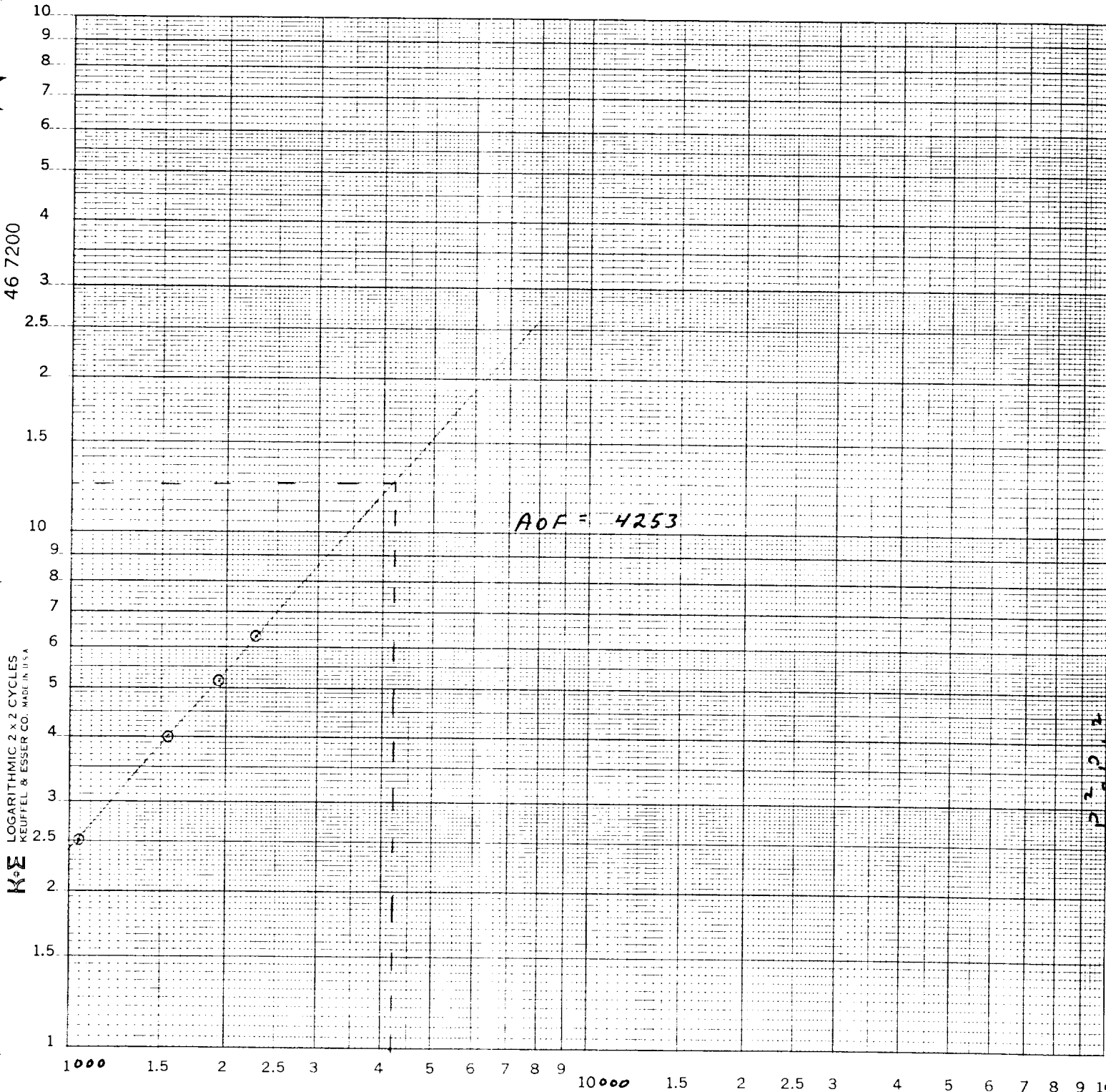
$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 2.0$$

$$AOP = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4253$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.819$$

Absolute Open Flow _____ 4253 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .86
Remarks: _____		
Approved By Commission: _____ Conducted By: _____ Calculated By: D. D. Kimble _____ Checked By: _____		

1835 071A



$$Q = MCF$$

P. 2, P. 2, 1

San Juan County, New Mexico